Open Source Used In Crosswork Optimization Engine 1.2.1

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1.1 shadow 4.5 1ubuntu2

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1.2 geo-ip 1.6.12 1

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package com.google.gson.internal;

import java.lang.reflect.Type;
import java.util.Collections;
import java.util.HashMap;
import java.util.Map;

/**
 * Contains static utility methods pertaining to primitive types and their
 * corresponding wrapper types.
 * @author Kevin Bourrillion
 */
public final class Primitives {
    private Primitives() {} 

    /**
     * A map from primitive types to their corresponding wrapper types. */
    private static final Map<Class<?>, Class<?>> PRIMITIVE_TO_WRAPPER_TYPE;

    // Other code...

/** A map from wrapper types to their corresponding primitive types. */
private static final Map<Class<?>, Class<?>> WRAPPER_TO_PRIMITIVE_TYPE;

// Sad that we can't use a BiMap. :(

static {
    Map<Class<?>, Class<?>> primToWrap = new HashMap<Class<?>, Class<?>>(16);
    Map<Class<?>, Class<?>> wrapToPrim = new HashMap<Class<?>, Class<?>>(16);
    add(primToWrap, wrapToPrim, boolean.class, Boolean.class);
    add(primToWrap, wrapToPrim, byte.class, Byte.class);
    add(primToWrap, wrapToPrim, char.class, Character.class);
    add(primToWrap, wrapToPrim, double.class, Double.class);
    add(primToWrap, wrapToPrim, float.class, Float.class);
    add(primToWrap, wrapToPrim, int.class, Integer.class);
    add(primToWrap, wrapToPrim, long.class, Long.class);
    add(primToWrap, wrapToPrim, short.class, Short.class);
    add(primToWrap, wrapToPrim, void.class, Void.class);

    PRIMITIVE_TO_WRAPPER_TYPE = Collections.unmodifiableMap(primToWrap);
    WRAPPER_TO_PRIMITIVE_TYPE = Collections.unmodifiableMap(wrapToPrim);
}

private static void add(Map<Class<?>, Class<?>> forward, Map<Class<?>, Class<?>> backward, Class<?> key, Class<?> value) {
    forward.put(key, value);
    backward.put(value, key);
}

/**
   * Returns true if this type is a primitive.
   */
public static boolean isPrimitive(Type type) {
    return PRIMITIVE_TO_WRAPPER_TYPE.containsKey(type);
}

/**
   * Returns true if @code type is one of the nine primitive-wrapper types, such as @link Integer.
   *
   * @see Class#isPrimitive
   */
public static boolean isWrapperType(Type type) {
    return WRAPPER_TO_PRIMITIVE_TYPE.containsKey($Gson$Preconditions.checkNotNull(type));
}

/**
* Returns the corresponding wrapper type of [ @code type ] if it is a primitive
* type; otherwise returns [ @code type ] itself. Idempotent.
  * <pre>
  *   wrap(int.class) == Integer.class
  *   wrap(Integer.class) == Integer.class
  *   wrap(String.class) == String.class
  * </pre>
*/

public static <T> Class<T> wrap(Class<T> type) {
    // cast is safe: long.class and Long.class are both of type Class<Long>
    @SuppressWarnings("unchecked")
    Class<T> wrapped = (Class<T>) PRIMITIVE_TO_WRAPPER_TYPE.get(
        $Gson$Preconditions.checkNotNull(type));
    return (wrapped == null) ? type : wrapped;
}

/**
* Returns the corresponding primitive type of [ @code type ] if it is a
* wrapper type; otherwise returns [ @code type ] itself. Idempotent.
  * <pre>
  *   unwrap(Integer.class) == int.class
  *   unwrap(int.class) == int.class
  *   unwrap(String.class) == String.class
  * </pre>
*/

public static <T> Class<T> unwrap(Class<T> type) {
    // cast is safe: long.class and Long.class are both of type Class<Long>
    @SuppressWarnings("unchecked")
    Class<T> unwrapped = (Class<T>) WRAPPER_TO_PRIMITIVE_TYPE.get(
        $Gson$Preconditions.checkNotNull(type));
    return (unwrapped == null) ? type : unwrapped;
}

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1.4 audience-annotations 0.5.0

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Written by: Philip Hazel
Email local part: ph10
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mgo - MongoDB driver for Go

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1.7 spring-cloud-context 1.2.4

1.8 http2-hpack 9.4.12.v20180830

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* /opt/ws_local/PERMITS_SQL/1018365867_1591372369.06/0/jnr-ffi-2-1-7-sources-jar/jffi/AsmClassLoader.java
* /opt/ws_local/PERMITS_SQL/1018365867_1591372369.06/0/jnr-ffi-2-1-7-sources-jar/jffi/ArrayMemoryIO.java
* /opt/ws_local/PERMITS_SQL/1018365867_1591372369.06/0/jnr-ffi-2-1-7-sources-jar/jffi/provider/jffi/AsmUtil.java
* /opt/ws_local/PERMITS_SQL/1018365867_1591372369.06/0/jnr-ffi-2-1-7-sources-jar/jffi/provider/jffi/LibraryOption.java
* /opt/ws_local/PERMITS_SQL/1018365867_1591372369.06/0/jnr-ffi-2-1-7-sources-jar/jffi/Library.java
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* /opt/ws_local/PERMITS_SQL/1018365867_1591372369.06/0/jnr-ffi-2-1-7-sources-jar/jnr/ffi/provider/jffi/Types.java
* /opt/ws_local/PERMITS_SQL/1018365867_1591372369.06/0/jnr-ffi-2-1-7-sources-jar/jnr/ffi/provider/jffi/StructByReferenceResultConverterFactory.java
* /opt/ws_local/PERMITS_SQL/1018365867_1591372369.06/0/jnr-ffi-2-1-7-sources-jar/jnr/ffi/provider/ResultType.java
* /opt/ws_local/PERMITS_SQL/1018365867_1591372369.06/0/jnr-ffi-2-1-7-sources-jar/jnr/ffi/provider/SigType.java
* /opt/ws_local/PERMITS_SQL/1018365867_1591372369.06/0/jnr-ffi-2-1-7-sources-jar/jnr/ffi/provider/ConverterMetaData.java
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* /opt/ws_local/PERMITS_SQL/1018365867_1591372369.06/0/jnr-ffi-2-1-7-sources-jar/jnr/ffi/provider/InterfaceScanner.java
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* /opt/ws_local/PERMITS_SQL/1018365867_1591372369.06/0/jnr-ffi-2-1-7-sources-jar/jnr/ffi/provider/FromNativeType.java
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* /opt/ws_local/PERMITS_SQL/1018365867_1591372369.06/0/jnr-ffi-2-1-7-sources-jar/jnr/ffi/util/ref/FinalizableSoftReference.java
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jar/jnr/ffi/util/ref/FinalizableReferenceQueue.java
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* /opt/ws_local/PERMITS_SQL/1018365867_1591372369.06/0/jnr-ffi-2-1-7-sources-jar/jnr/ffi/types/in_port_t.java
* /opt/ws_local/PERMITS_SQL/1018365867_1591372369.06/0/jnr-ffi-2-1-7-sources-jar/jnr/ffi/provider/converters/BoxedShortArrayParameterConverter.java
* /opt/ws_local/PERMITS_SQL/1018365867_1591372369.06/0/jnr-ffi-2-1-7-sources-jar/jnr/ffi/mapper/FromNativeTypes.java
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1.17 neo4j cypher compiler 3.1.9

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1.34 jq 1.6 r0
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```
package java.security.acl;

/**
 * This interface represents a permission, such as that used to grant
 * a particular type of access to a resource.
 *
 * @author Satish Dharmaraj
 */
public interface Permission {

    /**
     * Returns true if the object passed matches the permission represented
     * in this interface.
     *
     * @param another the Permission object to compare with.
     *
     * @return true if the Permission objects are equal, false otherwise
     */
    public boolean equals(Object another);

    /**
     * Prints a string representation of this permission.
     *
     * @return the string representation of the permission.
     */
    public String toString();
}

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package java.security;

/**
 * Abstract class for representing access to a system resource.
 * All permissions have a name (whose interpretation depends on the subclass),
 * as well as abstract functions for defining the semantics of the
 * particular Permission subclass.
 * 
 * <p>Most Permission objects also include an "actions" list that tells the actions
 * that are permitted for the object. For example,
 * for a {@code java.io.FilePermission} object, the permission name is
 * the pathname of a file (or directory), and the actions list
 * (such as "read, write") specifies which actions are granted for the
 * specified file (or for files in the specified directory).
 * The actions list is optional for Permission objects, such as
 * {@code java.lang.RuntimePermission},
 * that don't need such a list; you either have the named permission (such
 * as "system.exit") or you don't.
 * 
 * <p>An important method that must be implemented by each subclass is
 * the {@code implies} method to compare Permissions. Basically,
 * "permission p1 implies permission p2" means that
 * if one is granted permission p1, one is naturally granted permission p2.
 */

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 */
public abstract class Permission implements Guard, java.io.Serializable {

    private static final long serialVersionUID = -563657022231596674L;

    private String name;

    /**
     * Constructs a permission with the specified name.
     *
     * @param name name of the Permission object being created.
     *
     */
    public Permission(String name) {
        this.name = name;
    }

    /**
     * Implements the guard interface for a permission. The
     * { @code SecurityManager.checkPermission} method is called,
     * passing this permission object as the permission to check.
     * Returns silently if access is granted. Otherwise, throws
     * a SecurityException.
     *
     * @param object the object being guarded (currently ignored).
     *
     * @throws SecurityException
     *        if a security manager exists and its
     *        { @code checkPermission} method doesn't allow access.
     *
     */
    @see Guard
    @see GuardedObject
public void checkGuard(Object object) throws SecurityException {
    SecurityManager sm = System.getSecurityManager();
    if (sm != null) sm.checkPermission(this);
}

/**
 * Checks if the specified permission's actions are "implied by"
 * this object's actions.
 * <p>
 * This must be implemented by subclasses of Permission, as they are the
 * only ones that can impose semantics on a Permission object.
 * <p>
 * The {@code implies} method is used by the AccessController to determine
 * whether or not a requested permission is implied by another permission that
 * is known to be valid in the current execution context.
 * <p>
 * @param permission the permission to check against.
 * <p>
 * @return true if the specified permission is implied by this object,
 * false if not.
 * <p>
 * 
 * public abstract boolean implies(Permission permission);
 */

/**
 * Checks two Permission objects for equality.
 * <p>
 * Do not use the {@code equals} method for making access control
 * decisions; use the {@code implies} method.
 * <p>
 * @param obj the object we are testing for equality with this object.
 * <p>
 * @return true if both Permission objects are equivalent.
 * <p>
 * 
 * public abstract boolean equals(Object obj);
 */

/**
 * Returns the hash code value for this Permission object.
 * <p>
 * The required {@code hashCode} behavior for Permission Objects is
 * the following:
 * <ul>
 * <li>Whenever it is invoked on the same Permission object more than
 * once during an execution of a Java application, the
* [code hashCode] method
* must consistently return the same integer. This integer need not
* remain consistent from one execution of an application to another
* execution of the same application.
* <ul>
* [code equals]
* method, then calling the [code hashCode] method on each of the
* two Permission objects must produce the same integer result.
* </ul>
* [return a hash code value for this object.
*/

public abstract int hashCode();

/**
 * Returns the name of this Permission.
 * For example, in the case of a [code FilePermission],
 * the name will be a pathname.
 *
 * [return the name of this Permission.
 *
 */

public final String getName() {
    return name;
}

/**
 * Returns the actions as a String. This is abstract
 * so subclasses can defer creating a String representation until
 * one is needed. Subclasses should always return actions in what they
 * consider to be their
 * canonical form. For example, two FilePermission objects created via
 * the following:
 *
 * <pre>
 * perm1 = new FilePermission(p1,"read,write");
 * perm2 = new FilePermission(p2,"write,read");
 * </pre>
 *
 * both return
 * "read,write" when the [code getActions] method is invoked.
 *
 * [return the actions of this Permission.
 *
 */
public abstract String getActions();

/**
 * Returns an empty PermissionCollection for a given Permission object, or null if
 * one is not defined. Subclasses of class Permission should
 * override this if they need to store their permissions in a particular
 * PermissionCollection object in order to provide the correct semantics
 * when the {@code PermissionCollection.implies} method is called.
 * If null is returned,
 * then the caller of this method is free to store permissions of this
 * type in any PermissionCollection they choose (one that uses a Hashtable,
 * one that uses a Vector, etc).
 *
 * @return a new PermissionCollection object for this type of Permission, or
 * null if one is not defined.
 */

public PermissionCollection newPermissionCollection() {
    return null;
}

/**
 * Returns a string describing this Permission. The convention is to
 * specify the class name, the permission name, and the actions in
 * the following format: ('ClassName' "name" "actions"), or
 * ('ClassName' "name") if actions list is null or empty.
 *
 * @return information about this Permission.
 */

public String toString() {
    String actions = getActions();
    if ((actions == null) || (actions.length() == 0)) { // OPTIONAL
        return "(" + getClass().getName() + " " + name + ")";
    } else {
        return "(" + getClass().getName() + " " + name + " " + actions + ")";
    }
}

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 */
package com.sun.javafx.runtime.eula;

/*
 * A simple interface to show the End User License Agreement(EULA) dialog
 */
public interface Eula {

    /*
     * display the eula dialog, if not already shown
     * @return false if eula was rejected, true otherwise
     */
    public boolean show();

    /*
     * accept the EULA, so no EULA dialog will be displayed
     */
    public void accept();

}
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Version 2, June 1991

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1.44 zlib 1.2.11

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/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

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Version 2, June 1991
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1.53 moshi 1.5.0

1.54 spdylay 1.39.2-r2

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1.69 stax 3.1.4
1.69.1 Available under license :

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 * /opt/ws_local/PERMITS_SQL/1010092515_1591901247.19/0/kxml2-2-3-0-sources-
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1.71 libnfnetlink 1.0.1 r1

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

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1.79 gosnmp 1.6-travis

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1.88 lombok 1.16.18

1.89 glib 2.56.4 0ubuntu0.18.04.5

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1.91 ubuntu-keyring 2018.09.18.1~18.04.0

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1.92 websocket-server 9.4.8.v20171121

1.93 apache-karaf-jaas-command 4.2.2

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import net.sf.ehcache.Element;
import net.sf.ehcache.config.Searchable;
import java.util.Iterator;

/**
 * A [link BruteForceSource] that wraps another one and deals with copy for read of [link Element]s.
 *
 * @author ljacomet
 */
class CopyingBruteForceSource implements BruteForceSource {

    private final BruteForceSource delegate;
    private final CopyStrategyHandler copyStrategyHandler;

    /**
     * Construct this CopyingBruteForceSource with the given delegate and the [link CopyStrategyHandler] to use.
     *
     * @param delegate the delegate BruteForceSource
     * @param copyStrategyHandler the copy strategy handler
     */
    CopyingBruteForceSource(BruteForceSource delegate, CopyStrategyHandler copyStrategyHandler) {
        this.delegate = delegate;
        this.copyStrategyHandler = copyStrategyHandler;
    }

    @Override
    public Iterable<Element> elements() {
        return new CopyingIterable(delegate.elements(), copyStrategyHandler);
    }

    @Override
    public Searchable getSearchable() {
        return delegate.getSearchable();
    }

    @Override
    public Element transformForIndexing(Element element) {
        return copyStrategyHandler.copyElementForReadIfNeeded(element);
    }

    /**
     * Wrapping Iterable holding the delegate Iterable and the [link CopyStrategyHandler]
     */
    private static class CopyingIterable implements Iterable<Element> {
        private final Iterable<Element> elements;
        private final CopyStrategyHandler copyStrategyHandler;

        public CopyingIterable(Iterable<Element> elements, CopyStrategyHandler copyStrategyHandler) {
            this.elements = elements;
            this.copyStrategyHandler = copyStrategyHandler;
        }

        @Override
        public Iterator<Element> iterator() {
            return new CopyingIterator(elements.iterator(), copyStrategyHandler);
        }
    }
}
this.elements = elements;
this.copyStrategyHandler = copyStrategyHandler;
}

@Override
public Iterator<Element> iterator() {
    return new CopyingIterator(elements.iterator());
}

/**
 * Wrapping Iterator responsible of doing the copy on read
 */
private class CopyingIterator implements Iterator<Element> {
    private final Iterator<Element> delegate;

    public CopyingIterator(Iterator<Element> delegate) {
        this.delegate = delegate;
    }

    @Override
    public boolean hasNext() {
        return delegate.hasNext();
    }

    @Override
    public Element next() {
        return copyStrategyHandler.copyElementForReadIfNecessary(delegate.next());
    }

    @Override
    public void remove() {
        delegate.remove();
    }
}

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"
import net.sf.ehcache.Element;
import net.sf.ehcache.config.CacheConfiguration;
import net.sf.ehcache.store.compound.ReadWriteCopyStrategy;

/**
 * Copies elements, either on read, write or both before using the underlying store to actually store things
 * When copying both ways, the store might not see the same types being stored
 * @param <T> the store type it wraps
 *
 * @author Alex Snaps
 */
public final class CopyingCacheStore<T extends Store> extends AbstractCopyingCacheStore<T> {

/**
 * Creates a copying instance of store, that wraps the actual storage
 *
 * @param store the real store
 * @param copyOnRead whether to copy on reads
 * @param copyOnWrite whether to copy on writes
 * @param copyStrategyInstance the copy strategy to use on every copy operation
 * @param loader classloader of the containing cache
 */
public CopyingCacheStore(T store, boolean copyOnRead, boolean copyOnWrite,
ReadWriteCopyStrategy<Element> copyStrategyInstance, ClassLoader loader) {
    super(store, copyOnRead, copyOnWrite, copyStrategyInstance, loader);
}

/**
 * Wraps the Store instance passed in, should any copy occur
 * @param cacheStore the store
 * @param cacheConfiguration the cache config for that store
 * @return the wrapped Store if copying is required, or the Store instance passed in
 */
public static Store wrapIfCopy(final Store cacheStore, final CacheConfiguration cacheConfiguration) {
    if (requiresCopy(cacheConfiguration)) {
        return wrap(cacheStore, cacheConfiguration);
    }
    return cacheStore;
}

/**
 * Wraps (always) with the proper configured CopyingCacheStore
private static <T extends Store> CopyingCacheStore<T> wrap(final T cacheStore, final CacheConfiguration cacheConfiguration) {
    final ReadWriteCopyStrategy<Element> copyStrategyInstance = cacheConfiguration.getCopyStrategyConfiguration().
        getCopyStrategyInstance(cacheConfiguration.getClassLoader());
    return new CopyingCacheStore<T>(cacheStore, cacheConfiguration.isCopyOnRead(), cacheConfiguration.isCopyOnWrite(), copyStrategyInstance, cacheConfiguration.getClassLoader());
}

static boolean requiresCopy(final CacheConfiguration cacheConfiguration) {
    return cacheConfiguration.isCopyOnRead() || cacheConfiguration.isCopyOnWrite();
}

private static boolean isCopyOnReadAndCopyOnWrite(final CacheConfiguration cacheConfiguration) {
    return cacheConfiguration.isCopyOnRead() && cacheConfiguration.isCopyOnWrite();
}

public static ElementValueComparator wrapIfCopy(final ElementValueComparator comparator, final CacheConfiguration cacheConfiguration) {
    if (isCopyOnReadAndCopyOnWrite(cacheConfiguration)) {
        final ReadWriteCopyStrategy<Element> copyStrategyInstance = cacheConfiguration.getCopyStrategyConfiguration().
            getCopyStrategyInstance(cacheConfiguration.getClassLoader());
        CopyStrategyHandler copyStrategyHandler = new CopyStrategyHandler(cacheConfiguration.isCopyOnRead(), cacheConfiguration.isCopyOnWrite(), copyStrategyInstance, cacheConfiguration.getClassLoader());
        return new CopyingElementValueComparator(comparator, copyStrategyHandler);
    }
}
return comparator;
}

/**
 * An {@link net.sf.ehcache.store.ElementValueComparator} which handles copy on read
 */
private static class CopyingElementValueComparator implements ElementValueComparator {

    private final ElementValueComparator delegate;
    private final CopyStrategyHandler copyStrategyHandler;

    public CopyingElementValueComparator(ElementValueComparator delegate, CopyStrategyHandler copyStrategyHandler) {
        this.delegate = delegate;
        this.copyStrategyHandler = copyStrategyHandler;
    }

    @Override
    public boolean equals(Element e1, Element e2) {
        return delegate.equals(copyStrategyHandler.copyElementForReadIfNeeded(e1),
                              copyStrategyHandler.copyElementForReadIfNeeded(e2));
    }
}

---

1.96 servicemixspecsjaxbapi 2.5.0

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated
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If distribution of object code is made by offering access to copy
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1.105 scala 2.11.12
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not-a-legal-formal-parameter-tuple.scala:2: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.
Either create a single parameter accepting the Tuple2,
or consider a pattern matching anonymous function: `{ case (a, b) => ... }`
val x: ((Int, Int) => Int) = (((a, b)) => a)
^  
not-a-legal-formal-parameter-tuple.scala:3: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.
Either create a single parameter accepting the Tuple2,
or consider a pattern matching anonymous function: `{ case (param1, param2) => ... }`
val y: ((Int, Int, Int) => Int) = (((a, !!)) => a)
^  
not-a-legal-formal-parameter-tuple.scala:4: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.
Either create a single parameter accepting the Tuple3,
or consider a pattern matching anonymous function: `{ case (param1, ..., param3) => ... }`
val z: ((Int, Int, Int) => Int) = (((a, NotAPatternVariableName, c)) => a)
^  
three errors found
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1.106 spring-data-rest-core 3.1.6

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1.118 postgresql-jdbc 9.4

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1.127 neo4j-common 3.5.12

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### procfs

procs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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Go support for Protocol Buffers - Google's data interchange format

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https://github.com/golang/protobuf

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go-runhcs is a fork of go-runc

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1.151 shiro-cache 1.4.0

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1.154 neo4j-cypher-planner-spi 3.5.12

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@item
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That's all there is to it!
1.164 musl 1.1.22-r2

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#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED

/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*(int *)&(w)) /* convert union wait to int */
#define WIFEXITED(w) (!(_W_INT(w)) & 0377)
#define WIFSTOPPED(w) ((_W_INT(w)) & 0100)
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1)
#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)

/* Prototype */
pid_t waitpid(int, int *, int);
#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */

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* @version 3.0 (December 2000)
* 
* Optimised ANSI C code for the Rijndael cipher (now AES)
* 
* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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 */

#ifndef HAVE_SETRESGID
int setresgid(gid_t gid_t, gid_t gid_t);
#endif
#ifndef HAVE_SETRESUID
int setresuid(uid_t uid_t, uid_t uid_t);
#endif
/*$OpenBSD: poll.h,v 1.11 2003/12/10 23:10:08 millert Exp $ */

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*/

/**< OPENBSD ORIGINAL: sys/sys/poll.h */

#ifndef __COMPAT_POLL_H_
#define __COMPAT_POLL_H_

typedef struct pollfd {
    int fd;
    short events;
    short revents;
} pollfd_t;

typedef unsigned int nfds_t;

#define POLLIN0x0001
#define POLLOUT0x0004
#define POLLERR0x0008
#define POLLHUP0x0010
#define POLLNVAL0x0020
#if 0
    /* the following are currently not implemented */
#define POLLPRI0x0002
#define POLLRDNORM0x0040
#define POLLNORMPOLLRDNORM
#define POLLWRNORM POLLOUT
#define POLLRBAND0x0080
#define POLLWRBAND0x0100
#endif

#define INFTIM(-1)/* not standard */

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */
1.167 neo4j-legacy 3.5.12

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Version 3, 29 June 2007

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1.169 slf4j-log4j 1.6.1

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1.170 spring-aop 5.0.5

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1.175 annotations 4.1.1.4

1.176 snakeyaml-engine 1.0

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1.178 python 2.7.17-1~18.04

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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1.183 man-pages 4.15-1

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The End

1.186 jetty-security 9.4.11.v20180605

1.187 apache-log4j 2.11.0

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1.188.1 Available under license:

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1.192 python 3.6.6 r0

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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see https://www.cwi.nl/) in the Netherlands as a
successor of a language called ABC. Guido remains Python's principal author,
although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National
Research Initiatives (CNRI, see https://www.cnr.rieston.va.us/) in Reston,
Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to
form the BeOpen PythonLabs team. In October of the same year, the PythonLabs
team moved to Digital Creations (now Zope Corporation; see
http://www.zope.com/). In 2001, the Python Software Foundation (PSF, see
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+----------------+--------------+------------+------------+-----------------+
| Release        | Derived from | Year       | Owner      | GPL compatible? |
+================+==============+============+------------+-----------------+
| 0.9.0 thru 1.2 | n/a          | 1991-1995  | CWI        | yes             |
+----------------+--------------+------------+------------+-----------------+
| 1.3 thru 1.5.2 | 1.2          | 1995-1999  | CNRI       | yes             |
+----------------+--------------+------------+------------+-----------------+
| 1.6            | 1.5.2        | 2000       | CNRI       | no              |
+----------------+--------------+------------+------------+-----------------+
<p>| 2.0            | 1.6          | 2000       | BeOpen.com | no              |</p>
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the verbatim comments from the original code::

A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matumoto.

Before using, initialize the state by using init_genrand(seed)
or init_by_array(init_key, key_length).
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-------

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

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

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
  between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with Python standard

XML Remote Procedure Calls
--------------------------

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---------

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

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SipHash24
--------

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Original location:
https://github.com/majek/csiphash/

Solution inspired by code from:
Samuel Neves (supercop/crypto_auth/siphash24/little)
djb (supercop/crypto_auth/siphash24/little2)
Jean-Philippe Aumasson (https://131002.net/siphash/siphash24.c)

strtod and dtoa
-------------

The file :file:`Python/dtoa.c`, which supplies C functions dtoa and strtod for conversion of C doubles to and from strings, is derived from the file of the same name by David M. Gay, currently available from http://www.netlib.org/fp/. The original file, as retrieved on March 16, 2009, contains the following copyright and licensing notice::

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-----

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------

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----

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cfuhash
------

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* java.sun.security.ssl
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org.apache.tomcat:tomcat-jasper
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org.apache.tomcat:tomcat-util-scan
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org.eclipse.jetty.toolchain.jetty-schemas

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1.202 antlr-runtime 4.3

1.203 neo4j-cypher-ir 3.5.12

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 */

package org.springframework.beans;

import java.beans.PropertyChangeEvent;
import java.lang.reflect.Array;
import java.lang.reflect.Constructor;
import java.lang.reflect.InvocationTargetException;
import java.lang.reflect.Modifier;
import java.lang.reflect.UndeclaredThrowableException;
import java.util.ArrayList;
import java.util.Collection;
import java.util.HashMap;
import java.util.Iterator;
import java.util.List;
public abstract class AbstractNestablePropertyAccessor extends AbstractPropertyAccessor {

    /**
     * We'll create a lot of these objects, so we don't want a new logger every time.
     */
    private static final Log logger = LogFactory.getLog(AbstractNestablePropertyAccessor.class);

    /**
     * A basic ConfigurablePropertyAccessor that provides the necessary infrastructure for all typical use cases.
     *<p>
     * This accessor will convert collection and array values to the corresponding target collections or arrays, if necessary. Custom property editors that deal with collections or arrays can either be written via PropertyEditor's setValue, or against a comma-delimited String via setAsText, as String arrays are converted in such a format if the array itself is not assignable.
     *<p>
     * @author Juergen Hoeller
     * @author Stephane Nicoll
     * @author Rod Johnson
     * @author Rob Harrop
     * @since 4.2
     * @see registerCustomEditor
     * @see #setPropertyValues
     * @see #setPropertyValue
     * @see #getPropertyValue
     * @see BeanWrapper
     * @see PropertyEditorRegistrySupport
     */
    public abstract class AbstractNestablePropertyAccessor extends AbstractPropertyAccessor {

    /**
     * We'll create a lot of these objects, so we don't want a new logger every time.
     */
    private static final Log logger = LogFactory.getLog(AbstractNestablePropertyAccessor.class);
private int autoGrowCollectionLimit = Integer.MAX_VALUE;

@Nullable
Object wrappedObject;

private String nestedPath = "";

@Nullable
Object rootObject;

/** Map with cached nested Accessors: nested path -> Accessor instance. */
@Nullable
private Map<String, AbstractNestablePropertyAccessor> nestedPropertyAccessors;

/**
 * Create a new empty accessor. Wrapped instance needs to be set afterwards.
 * Registers default editors.
 * @see #setWrappedInstance
 */
protected AbstractNestablePropertyAccessor() {
    this(true);
}

/**
 * Create a new empty accessor. Wrapped instance needs to be set afterwards.
 * @param registerDefaultEditors whether to register default editors
 * (can be suppressed if the accessor won't need any type conversion)
 * @see #setWrappedInstance
 */
protected AbstractNestablePropertyAccessor(boolean registerDefaultEditors) {
    if (registerDefaultEditors) {
        registerDefaultEditors();
    }
    this.typeConverterDelegate = new TypeConverterDelegate(this);
}

/**
 * Create a new accessor for the given object.
 * @param object object wrapped by this accessor
 */
protected AbstractNestablePropertyAccessor(Object object) {
    registerDefaultEditors();
    setWrappedInstance(object);
}

/**
 * Create a new accessor, wrapping a new instance of the specified class.
* @param clazz class to instantiate and wrap
* /
protected AbstractNestablePropertyAccessor(Class<?> clazz) {
    registerDefaultEditors();
    setWrappedInstance(BeanUtils.instantiateClass(clazz));
}

/**
 * Create a new accessor for the given object,
 * registering a nested path that the object is in.
 * @param object object wrapped by this accessor
 * @param nestedPath the nested path of the object
 * @param rootObject the root object at the top of the path
 * /
protected AbstractNestablePropertyAccessor(Object object, String nestedPath, Object rootObject) {
    registerDefaultEditors();
    setWrappedInstance(object, nestedPath, rootObject);
}

/**
 * Create a new accessor for the given object,
 * registering a nested path that the object is in.
 * @param object object wrapped by this accessor
 * @param nestedPath the nested path of the object
 * @param parent the containing accessor (must not be {@code null})
 * /
protected AbstractNestablePropertyAccessor(Object object, String nestedPath, AbstractNestablePropertyAccessor parent) {
    setWrappedInstance(object, nestedPath, parent.getWrappedInstance());
    setExtractOldValueForEditor(parent.isExtractOldValueForEditor());
    setAutoGrowNestedPaths(parent.isAutoGrowNestedPaths());
    setAutoGrowCollectionLimit(parent.getAutoGrowCollectionLimit());
    setConversionService(parent.getConversionService());
}

/**
 * Specify a limit for array and collection auto-growing.
 * <p>Default is unlimited on a plain accessor.
 * /
public void setAutoGrowCollectionLimit(int autoGrowCollectionLimit) {
    this.autoGrowCollectionLimit = autoGrowCollectionLimit;
}

/**
 * Return the limit for array and collection auto-growing.
 * /
public int getAutoGrowCollectionLimit() {

return this.autoGrowCollectionLimit;
}

/**
 * Switch the target object, replacing the cached introspection results only
 * if the class of the new object is different to that of the replaced object.
 * @param object the new target object
 */
public void setWrappedInstance(Object object) {
  setWrappedInstance(object, "", null);
}

/**
 * Switch the target object, replacing the cached introspection results only
 * if the class of the new object is different to that of the replaced object.
 * @param object the new target object
 * @param nestedPath the nested path of the object
 * @param rootObject the root object at the top of the path
 */
public void setWrappedInstance(Object object, @Nullable String nestedPath, @Nullable Object rootObject) {
  this.wrappedObject = ObjectUtils.unwrapOptional(object);
  Assert.notNull(this.wrappedObject, "Target object must not be null");
  this.nestedPath = (nestedPath != null ? nestedPath : "");
  this.rootObject = (!this.nestedPath.isEmpty() ? rootObject : this.wrappedObject);
  this.nestedPropertyAccessors = null;
  this.typeConverterDelegate = new TypeConverterDelegate(this, this.wrappedObject);
}

public final Object getWrappedInstance() {
  Assert.state(this.wrappedObject != null, "No wrapped object");
  return this.wrappedObject;
}

public final Class<?> getWrappedClass() {
  return getWrappedInstance().getClass();
}

/**
 * Return the nested path of the object wrapped by this accessor.
 */
public final String getNestedPath() {
  return this.nestedPath;
}

/**
 * Return the root object at the top of the path of this accessor.
 * @see #getNestedPath
 */
public final Object getRootInstance() {
    Assert.state(this.rootObject != null, "No root object");
    return this.rootObject;
}

/**
 * Return the class of the root object at the top of the path of this accessor.
 * @see #getNestedPath
 */
public final Class<?> getRootClass() {
    return getRootInstance().getClass();
}

@Override
public void setPropertyValue(String propertyName, @Nullable Object value) throws BeansException {
    AbstractNestablePropertyAccessor nestedPa;
    try {
        nestedPa = getPropertyAccessorForPropertyPath(propertyName);
    }
    catch (NotReadablePropertyException ex) {
        throw new NotWritablePropertyException(getRootClass(), this.nestedPath + propertyName,
                "Nested property in path ", propertyName + " does not exist", ex);
    }
    PropertyTokenHolder tokens = getPropertyNameTokens(getFinalPath(nestedPa, propertyName));
    nestedPa.setPropertyValue(tokens, new PropertyValue(propertyName, value));
}

@Override
public void setPropertyValue(PropertyValue pv) throws BeansException {
    PropertyTokenHolder tokens = (PropertyTokenHolder) pv.resolvedTokens;
    if (tokens == null) {
        String propertyName = pv.getName();
        AbstractNestablePropertyAccessor nestedPa;
        try {
            nestedPa = getPropertyAccessorForPropertyPath(propertyName);
        }
        catch (NotReadablePropertyException ex) {
            throw new NotWritablePropertyException(getRootClass(), this.nestedPath + propertyName,
                    "Nested property in path " + propertyName + " does not exist", ex);
        }
        tokens = getPropertyNameTokens(getFinalPath(nestedPa, propertyName));
        if (nestedPa == this) {
            pv.getOriginalPropertyValue().resolvedTokens = tokens;
        }
        nestedPa.setPropertyValue(tokens, pv);
    } else {
        setPropertyValue(tokens, pv);
    }
}
protected void setPropertyValue(PropertyTokenHolder tokens, PropertyValue pv) throws BeansException {
    if (tokens.keys != null) {
        processKeyedProperty(tokens, pv);
    } else {
        processLocalProperty(tokens, pv);
    }
}

@SuppressWarnings("unchecked")
private void processKeyedProperty(PropertyTokenHolder tokens, PropertyValue pv) {
    Object propValue = getPropertyHoldingValue(tokens);
    PropertyHandler ph = getLocalPropertyHandler(tokens.actualName);
    if (ph == null) {
        throw new InvalidPropertyException(getRootClass(), this.nestedPath + tokens.actualName, "No property handler found");
    }
    Assert.state(tokens.keys != null, "No token keys");
    String lastKey = tokens.keys[tokens.keys.length - 1];

    if (propValue.getClass().isArray()) {
        Class<?> requiredType = propValue.getClass().getComponentType();
        int arrayIndex = Integer.parseInt(lastKey);
        Object oldValue = null;
        try {
            if (isExtractOldValueForEditor() && arrayIndex < Array.getLength(propValue)) {
                oldValue = Array.get(propValue, arrayIndex);
            }
            Object convertedValue = convertIfNecessary(tokens.canonicalName, oldValue, pv.getValue(),
                requiredType, ph.nested(tokens.keys.length));
            int length = Array.getLength(propValue);
            if (arrayIndex >= length && arrayIndex < this.autoGrowCollectionLimit) {
                Class<?> componentType = propValue.getClass().getComponentType();
                Object newArray = Array.newInstance(componentType, arrayIndex + 1);
                System.arraycopy(propValue, 0, newArray, 0, length);
                setPropertyValue(tokens.actualName, newArray);
                propValue = getPropertyValue(tokens.actualName);
            }
            Array.set(propValue, arrayIndex, convertedValue);
        } catch (IndexOutOfBoundsException ex) {
            throw new InvalidPropertyException(getRootClass(), this.nestedPath + tokens.canonicalName,
                "Invalid array index in property path ", tokens.canonicalName + ","", ex);
        }
    }
else if (propValue instanceof List) {
    Class<?> requiredType = ph.getCollectionType(tokens.keys.length);
    List<Object> list = (List<Object>) propValue;
    int index = Integer.parseInt(lastKey);
    Object oldValue = null;
    if (isExtractOldValueForEditor() && index < list.size()) {
        oldValue = list.get(index);
    }
    Object convertedValue = convertIfNecessary(tokens.canonicalName, oldValue, pv.getValue(),
        requiredType, ph.nested(tokens.keys.length));
    int size = list.size();
    if (index >= size && index < this.autoGrowCollectionLimit) {
        for (int i = size; i < index; i++) {
            try {
                list.add(null);
            } catch (NullPointerException ex) {
                throw new InvalidPropertyException(getRootClass(), this.nestedPath + tokens.canonicalName,
                    "Cannot set element with index " + index + " in List of size " +
                    size + ", accessed using property path "/" + tokens.canonicalName +
                    ": List does not support filling up gaps with null elements");
            }
        }
        list.add(convertedValue);
    } else {
        try {
            list.set(index, convertedValue);
        } catch (IndexOutOfBoundsException ex) {
            throw new InvalidPropertyException(getRootClass(), this.nestedPath + tokens.canonicalName,
                "Invalid list index in property path "/" + tokens.canonicalName + ", ex");
        }
    }
}

else if (propValue instanceof Map) {
    Class<?> mapKeyType = ph.getMapKeyType(tokens.keys.length);
    Class<?> mapValueType = ph.getMapValueType(tokens.keys.length);
    Map<Object, Object> map = (Map<Object, Object>) propValue;
    // IMPORTANT: Do not pass full property name in here - property editors
    // must not kick in for map keys but rather only for map values.
    TypeDescriptor typeDescriptor = TypeDescriptor.valueOf(mapKeyType);
    Object convertedMapKey = convertIfNecessary(null, null, lastKey, mapKeyType, typeDescriptor);
    Object oldValue = null;
    if (isExtractOldValueForEditor()) {
        oldValue = map.get(convertedMapKey);
    }
// Pass full property name and old value in here, since we want full
// conversion ability for map values.
Object convertedMapValue = convertIfNecessary(tokens.canonicalName, oldValue, pv.getValue(),
mapValueType, ph.nested(tokens.keys.length));
map.put(convertedMapKey, convertedMapValue);

else {
    throw new InvalidPropertyException(getRootClass(), this.nestedPath + tokens.canonicalName,
"Property referenced in indexed property path " + tokens.canonicalName + 
" is neither an array nor a List nor a Map; returned value was [" + propValue + "]");
}

private Object getPropertyHoldingValue(PropertyTokenHolder tokens) {
    // Apply indexes and map keys: fetch value for all keys but the last one.
    Assert.state(tokens.keys != null, "No token keys");
    PropertyTokenHolder getterTokens = new PropertyTokenHolder(tokens.actualName);
    getterTokens.canonicalName = tokens.canonicalName;
    getterTokens.keys = new String[tokens.keys.length - 1];
    System.arraycopy(tokens.keys, 0, getterTokens.keys, 0, tokens.keys.length - 1);

    Object propValue;
    try {
        propValue = getPropertyValue(getterTokens);
    }
    catch (NotReadablePropertyException ex) {
        throw new NotWritablePropertyException(getRootClass(), this.nestedPath + tokens.canonicalName,
"Cannot access indexed value in property referenced " +
"in indexed property path " + tokens.canonicalName + "", ex);
    }

    if (propValue == null) {
        // null map value case
        if (isAutoGrowNestedPaths()) {
            int lastKeyIndex = tokens.canonicalName.lastIndexOf('[');
            getterTokens.canonicalName = tokens.canonicalName.substring(0, lastKeyIndex);
            propValue = setDefaultValue(getterTokens);
        }
        else {
            throw new NullValueInNestedPathException(getRootClass(), this.nestedPath + tokens.canonicalName,
"Cannot access indexed value in property referenced " +
"in indexed property path " + tokens.canonicalName + ": returned null");
        }
    }

    return propValue;
}
private void processLocalProperty(PropertyTokenHolder tokens, PropertyValue pv) {
    PropertyHandler ph = getLocalPropertyHandler(tokens.actualName);
    if (ph == null || !ph.isWritable()) {
        if (pv.isOptional()) {
            if (logger.isDebugEnabled()) {
                logger.debug("Ignoring optional value for property '" + tokens.actualName + ": property not found on bean class [" + getRootClass().getName() + "]");
            }
            return;
        }
        else {
            throw createNotWritablePropertyException(tokens.canonicalName);
        }
    }
    Object oldValue = null;
    try {
        Object originalValue = pv.getValue();
        Object valueToApply = originalValue;
        if (!Boolean.FALSE.equals(pv.conversionNecessary)) {
            if (pv.isConverted()) {
                valueToApply = pv.getConvertedValue();
            }
            else {
                if (isExtractOldValueForEditor() && ph.isReadable()) {
                    try {
                        oldValue = ph.getValue();
                    }
                    catch (Exception ex) {
                        if (ex instanceof PrivilegedActionException) {
                            ex = ((PrivilegedActionException) ex).getException();
                        }
                        if (logger.isDebugEnabled()) {
                            logger.debug("Could not read previous value of property '" + this.nestedPath + tokens.canonicalName + ":", ex);
                        }
                    }
                    valueToApply = convertForProperty(tokens.canonicalName, oldValue, originalValue, ph.toTypeDescriptor());
                }
                pv.getOriginalPropertyValue().conversionNecessary = (valueToApply != originalValue);
            }
            ph.setValue(valueToApply);
        }
        catch (TypeMismatchException ex) {
            throw ex;
        }
    }
}
catch (InvocationTargetException ex) {
    PropertyChangeEvent propertyChangeEvent = new PropertyChangeEvent(
        getRootInstance(), this.nestedPath + tokens.canonicalName, oldValue, pv.getValue());
    if (ex.getTargetException() instanceof ClassCastException) {
        throw new TypeMismatchException(propertyChangeEvent, ph.getPropertyType(), ex.getTargetException());
    } else {
        Throwable cause = ex.getTargetException();
        if (cause instanceof UndeclaredThrowableException) {
            // May happen e.g. with Groovy-generated methods
            cause = cause.getCause();
        }
        throw new MethodInvocationException(propertyChangeEvent, cause);
    }
}

@override
@Nullable
public Class<?> getPropertyType(String propertyName) throws BeansException {
    try {
        PropertyHandler ph = getPropertyHandler(propertyName);
        if (ph != null) {
            return ph.getPropertyType();
        } else {
            // Maybe an indexed/mapped property...
            Object value = getPropertyValue(propertyName);
            if (value != null) {
                return value.getClass();
            }
            // Check to see if there is a custom editor,
            // which might give an indication on the desired target type.
            Class<?> editorType = guessPropertyTypeFromEditors(propertyName);
            if (editorType != null) {
                return editorType;
            }
        }
    } catch (InvalidPropertyException ex) {
        // Consider as not determinable.
    }
}

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return null;
}

@Nullable
public TypeDescriptor getPropertyTypeDescriptor(String propertyName) throws BeansException {
    try {
        AbstractNestablePropertyAccessor nestedPa = getPropertyAccessorForPropertyPath(propertyName);
        String finalPath = getFinalPath(nestedPa, propertyName);
        PropertyTokenHolder tokens = getPropertyNameTokens(finalPath);
        PropertyHandler ph = nestedPa.getLocalPropertyHandler(tokens.actualName);
        if (ph != null) {
            if (tokens.keys != null) {
                if (ph.isReadable() || ph.isWritable()) {
                    return ph.nested(tokens.keys.length);
                }
            } else {
                if (ph.isReadable() || ph.isWritable()) {
                    return ph.toTypeDescriptor();
                }
            }
        } else {
            if (ph.isReadable() || ph.isWritable()) {
                return ph.toTypeDescriptor();
            }
        }
    } catch (InvalidPropertyException ex) {
        // Consider as not determinable.
    }
    return null;
}

@Nullable
public boolean isReadableProperty(String propertyName) {
    try {
        PropertyHandler ph = getPropertyHandler(propertyName);
        if (ph != null) {
            return ph.isReadable();
        } else {
            // Maybe an indexed/mapped property...
            try {
                getPropertyValue(propertyName);
            } catch (InvalidPropertyException ex) {
                // Cannot be evaluated, so can't be readable.
            }
            return false;
        }
    }
}
@Override
public boolean isWritableProperty(String propertyName) {
try {
PropertyHandler ph = getPropertyHandler(propertyName);
if (ph != null) {
    return ph.isWritable();
}
else {
    // Maybe an indexed/mapped property...
    getPropertyValue(propertyName);
    return true;
}
}
catch (InvalidPropertyException ex) {
    // Cannot be evaluated, so can't be writable.
}
return false;
}

@Nullable
private Object convertIfNecessary(@Nullable String propertyName, @Nullable Object oldValue,
@Nullable Object newValue, @Nullable Class<?> requiredType, @Nullable TypeDescriptor td)
throws TypeMismatchException {
    Assert.state(this.typeConverterDelegate != null, "No TypeConverterDelegate");
    try {
        return this.typeConverterDelegate.convertIfNecessary(propertyName, oldValue, newValue, requiredType, td);
    }
catch (ConverterNotFoundException | IllegalStateException ex) {
PropertyChangeEvent pce =
new PropertyChangeEvent(getRootInstance(), this.nestedPath + propertyName, oldValue, newValue);
throw new ConversionNotSupportedException(pce, requiredType, ex);
    }
catch (ConversionException | IllegalArgumentException ex) {
PropertyChangeEvent pce =
new PropertyChangeEvent(getRootInstance(), this.nestedPath + propertyName, oldValue, newValue);
throw new TypeMismatchException(pce, requiredType, ex);
    }
}

@Nullable
protected Object convertForProperty(
String propertyName, @Nullable Object oldValue, @Nullable Object newValue, TypeDescriptor td)
throws TypeMismatchException {

    return convertIfNecessary(propertyName, oldValue, newValue, td.getType(), td);
}
@Override
@Nullable
public Object getPropertyValue(String propertyName) throws BeansException {
AbstractNestablePropertyAccessor nestedPa = getPropertyAccessorForPropertyPath(propertyName);
PropertyTokenHolder tokens = getPropertyNameTokens(getFinalPath(nestedPa, propertyName));
return nestedPa.getPropertyValue(tokens);
}

@SuppressWarnings("unchecked")
@Nullable
protected Object getPropertyValue(PropertyTokenHolder tokens) throws BeansException {
String propertyName = tokens.canonicalName;
String actualName = tokens.actualName;
PropertyHandler ph = getLocalPropertyHandler(actualName);
if (ph == null || !ph.isReadable()) {
throw new NotReadablePropertyException(getRootClass(), this.nestedPath + propertyName);
}
try {
Object value = ph.getValue();
if (tokens.keys != null) {
if (value == null) {
if (isAutoGrowNestedPaths()) {
value = setDefaultValue(new PropertyTokenHolder(tokens.actualName));
}
else {
throw new NullValueInNestedPathException(getRootClass(), this.nestedPath + propertyName,
"Cannot access indexed value of property referenced in indexed "+
"property path " + propertyName + ": returned null");
}
StringBuilder indexedPropertyName = new StringBuilder(tokens.actualName);
// apply indexes and map keys
for (int i = 0; i < tokens.keys.length; i++) {
String key = tokens.keys[i];
if (value == null) {
throw new NullValueInNestedPathException(getRootClass(), this.nestedPath + propertyName,
"Cannot access indexed value of property referenced in indexed "+
"property path " + propertyName + ": returned null");
}
else if (value.getClass().isArray()) {
int index = Integer.parseInt(key);
value = growArrayIfNecessary(value, index, indexedPropertyName.toString());
value = Array.get(value, index);
}
else if (value instanceof List) {
int index = Integer.parseInt(key);
List<Object> list = (List<Object>) value;
}
else if (value instanceof Map) {
Map<Object, Object> map = (Map<Object, Object>) value;
}
else if (value instanceof Set) {
Set<Object> set = (Set<Object>) value;
}
else if (value instanceof Collection) {
Collection<Object> collection = (Collection<Object>) value;
}
else {
throw new NotReadablePropertyException(getRootClass(), this.nestedPath + propertyName,
"Cannot access indexed value of property referenced in indexed "+
"property path " + propertyName + ": returned null");
}
}
return value;
}
growCollectionIfNecessary(list, index, indexedPropertyName.toString(), ph, i + 1);
value = list.get(index);
}
else if (value instanceof Set) {
    // Apply index to Iterator in case of a Set.
    Set<Object> set = (Set<Object>) value;
    int index = Integer.parseInt(key);
    if (index < 0 || index >= set.size()) {
        throw new InvalidPropertyException(getRootClass(), this.nestedPath + propertyName,
        "Cannot get element with index " + index + " from Set of size " +
        set.size() + ", accessed using property path " + propertyName + "]");
    }
    Iterator<Object> it = set.iterator();
    for (int j = 0; it.hasNext(); j++) {
        Object elem = it.next();
        if (j == index) {
            value = elem;
            break;
        }
    }
}
else if (value instanceof Map) {
    Map<Object, Object> map = (Map<Object, Object>) value;
    Class<?> mapKeyType = ph.getResolvableType().getNested(i + 1).asMap().resolveGeneric(0);
    // IMPORTANT: Do not pass full property name in here - property editors
    // must not kick in for map keys but rather only for map values.
    TypeDescriptor typeDescriptor = TypeDescriptor.valueOf(mapKeyType);
    Object convertedMapKey = convertIfNecessary(null, null, key, mapKeyType, typeDescriptor);
    value = map.get(convertedMapKey);
} else {
    throw new InvalidPropertyException(getRootClass(), this.nestedPath + propertyName,
    "Property referenced in indexed property path " + propertyName +
    " is neither an array nor a List nor a Set nor a Map; returned value was [" + value + "]");
}
indexedPropertyName.append(PROPERTY_KEY_PREFIX).append(key).append(PROPERTY_KEY_SUFFIX);
}
return value;
}
catch (IndexOutOfBoundsException ex) {
    throw new InvalidPropertyException(getRootClass(), this.nestedPath + propertyName,
    "Index of out of bounds in property path " + propertyName + "]", ex);
}
catch (NumberFormatException | TypeMismatchException ex) {
    throw new InvalidPropertyException(getRootClass(), this.nestedPath + propertyName,
    "Invalid index in property path " + propertyName + "]", ex);
}
catch (InvocationTargetException ex) { 
    throw new InvalidPropertyException(getRootClass(), this.nestedPath + propertyName,
    "Getter for property " + actualName + " threw exception", ex);
}
catch (Exception ex) {
    throw new InvalidPropertyException(getRootClass(), this.nestedPath + propertyName,
    "Illegal attempt to get property " + actualName + " threw exception", ex);
}
}

/**
 * Return the {@link PropertyHandler} for the specified {@code propertyName}, navigating
 * if necessary. Return {@code null} if not found rather than throwing an exception.
 * @param propertyName the property to obtain the descriptor for
 * @return the property descriptor for the specified property,
 * or {@code null} if not found
 * @throws BeansException in case of introspection failure
 */
@Nullable
protected PropertyHandler getPropertyHandler(String propertyName) throws BeansException {
    Assert.notNull(propertyName, "Property name must not be null");
    AbstractNestablePropertyAccessor nestedPa = getPropertyAccessorForPropertyPath(propertyName);
    return nestedPa.getLocalPropertyHandler(getFinalPath(nestedPa, propertyName));
}

/**
 * Return a {@link PropertyHandler} for the specified local {@code propertyName}.
 * Only used to reach a property available in the current context.
 * @param propertyName the name of a local property
 * @return the handler for that property, or {@code null} if it has not been found
 */
@Nullable
protected abstract PropertyHandler getLocalPropertyHandler(String propertyName);

/**
 * Create a new nested property accessor instance.
 * Can be overridden in subclasses to create a PropertyAccessor subclass.
 * @param object object wrapped by this PropertyAccessor
 * @param nestedPath the nested path of the object
 * @return the nested PropertyAccessor instance
 */
protected abstract AbstractNestablePropertyAccessor newNestedPropertyAccessor(Object object, String
nestedPath);

/**
 * Create a [{@link NotWritablePropertyException}] for the specified property.
 */
protected abstract NotWritablePropertyException createNotWritablePropertyException(String property);  

private Object growArrayIfNecessary(Object array, int index, String name) {  
if (!isAutoGrowNestedPaths()) {  
return array;  
}  
int length = Array.getLength(array);  
if (index >= length && index < this.autoGrowCollectionLimit) {  
Class<?> componentType = array.getClass().getComponentType();  
Object newArray = Array.newInstance(componentType, index + 1);  
System.arraycopy(array, 0, newArray, 0, length);  
for (int i = length; i < Array.getLength(newArray); i++) {  
Array.set(newArray, i, newValue(componentType, null, name));  
}  
setPropertyValue(name, newArray);  
Object defaultValue = getPropertyValue(name);  
Assert.state(defaultValue != null, "Default value must not be null");  
return defaultValue;  
}  
else {  
return array;  
}  
}

private void growCollectionIfNecessary(Collection<Object> collection, int index, String name, PropertyHandler ph, int nestingLevel) {  
if (!isAutoGrowNestedPaths()) {  
return;  
}  
int size = collection.size();  
if (index >= size && index < this.autoGrowCollectionLimit) {  
Class<?> elementType = ph.getResolvableType().getNested(nestingLevel).asCollection().resolveGeneric();  
if (elementType != null) {  
for (int i = collection.size(); i < index + 1; i++) {  
collection.add(newValue(elementType, null, name));  
}  
}  
}  
}

/**  
* Get the last component of the path. Also works if not nested.  
* @param pa property accessor to work on  
* @param nestedPath property path we know is nested  
* @return last component of the path (the property on the target bean)  
*/
protected String getFinalPath(AbstractNestablePropertyAccessor pa, String nestedPath) {
    if (pa == this) {
        return nestedPath;
    }
    return nestedPath.substring(PropertyAccessorUtils.getLastNestedPropertySeparatorIndex(nestedPath) + 1);
}

/**
 * Recursively navigate to return a property accessor for the nested property path.
 * @param propertyPath property path, which may be nested
 * @return a property accessor for the target bean
 */
@SuppressWarnings("unchecked")  // avoid nested generic
protected AbstractNestablePropertyAccessor getPropertyAccessorForPropertyPath(String propertyPath) {
    int pos = PropertyAccessorUtils.getFirstNestedPropertySeparatorIndex(propertyPath);
    // Handle nested properties recursively.
    if (pos > -1) {
        String nestedProperty = propertyPath.substring(0, pos);
        String nestedPath = propertyPath.substring(pos + 1);
        AbstractNestablePropertyAccessor nestedPa = getNestedPropertyAccessor(nestedProperty);
        return nestedPa.getPropertyAccessorForPropertyPath(nestedPath);
    }
    else {
        return this;
    }
}

/**
 * Retrieve a Property accessor for the given nested property.
 * Create a new one if not found in the cache.
 * <p>Note: Caching nested PropertyAccessors is necessary now,
 * to keep registered custom editors for nested properties.
 * @param nestedProperty property to create the PropertyAccessor for
 * @return the PropertyAccessor instance, either cached or newly created
 */
private AbstractNestablePropertyAccessor getNestedPropertyAccessor(String nestedProperty) {
    if (this.nestedPropertyAccessors == null) {
        this.nestedPropertyAccessors = new HashMap<>();
    }
    // Get value of bean property.
    PropertyTokenHolder tokens = getPropertyNameTokens(nestedProperty);
    String canonicalName = tokens.canonicalName;
    Object value = getPropertyValue(tokens);
    if (value == null || (value instanceof Optional && !((Optional) value).isPresent())) {
        if (isAutoGrowNestedPaths()) {
            value = setDefaultValue(tokens);
        }
    }
    else {

throw new NullValueInNestedPathException(getRootClass(), this.nestedPath + canonicalName);
}

// Lookup cached sub-PropertyAccessor, create new one if not found.
AbstractNestablePropertyAccessor nestedPa = this.nestedPropertyAccessors.get(canonicalName);
if (nestedPa == null || nestedPa.getWrappedInstance() != ObjectUtils.unwrapOptional(value)) {
    if (logger.isTraceEnabled()) {
        logger.trace("Creating new nested ", getSimplePath() + ", for property ", canonicalName + ",");
    }
    nestedPa = new NestablePropertyAccessor(value, this.nestedPath + canonicalName + NESTED_PROPERTY_SEPARATOR);
    // Inherit all type-specific PropertyEditors.
copyDefaultEditorsTo(nestedPa);
copyCustomEditorsTo(nestedPa, canonicalName);
    this.nestedPropertyAccessors.put(canonicalName, nestedPa);
} else {
    if (logger.isTraceEnabled()) {
        logger.trace("Using cached nested property accessor for property ", canonicalName + ",");
    }
}
return nestedPa;

private Object setDefaultValue(PropertyTokenHolder tokens) {
    PropertyValue pv = createDefaultPropertyValue(tokens);
    setPropertyValue(tokens, pv);
    Object defaultValue = getPropertyValue(tokens);
    Assert.state(defaultValue != null, "Default value must not be null");
    return defaultValue;
}

private PropertyValue createDefaultPropertyValue(PropertyTokenHolder tokens) {
    TypeDescriptor desc = getPropertyTypeDescriptor(tokens.canonicalName);
    if (desc == null) {
        throw new NullValueInNestedPathException(getRootClass(), this.nestedPath + tokens.canonicalName,
        "Could not determine property type for auto-growing a default value");
    }
    Object defaultValue = newValue(desc.getType(), desc, tokens.canonicalName);
    return new PropertyValue(tokens.canonicalName, defaultValue);
}

private Object newValue(Class<?> type, @Nullable TypeDescriptor desc, String name) {
    try {
        if (type.isArray()) {
            Class<?> componentType = type.getComponentType();
            // TODO - only handles 2-dimensional arrays
        }
    }

    private Object setDefaultValue(PropertyTokenHolder tokens) {
        ...
if (componentType.isArray()) {
    Object array = Array.newInstance(componentType, 1);
    Array.set(array, 0, Array.newInstance(componentType.getComponentType(), 0));
    return array;
} else {
    return Array.newInstance(componentType, 0);
}

else if (Collection.class.isAssignableFrom(type)) {
    TypeDescriptor elementDesc = (desc != null ? desc elementTypeDescriptor() : null);
    return CollectionFactory.createCollection(type, (elementDesc != null ? elementDesc.getType() : null), 16);
} else if (Map.class.isAssignableFrom(type)) {
    TypeDescriptor keyDesc = (desc != null ? desc.getMapKeyTypeDescriptor() : null);
    return CollectionFactory.createMap(type, (keyDesc != null ? keyDesc.getType() : null), 16);
} else if (Collection.class.isAssignableFrom(type)) {
    Constructor<?> ctor = type.getDeclaredConstructor();
    if (Modifier.isPrivate(ctor.getModifiers())) {
        throw new IllegalAccessException("Auto-growing not allowed with private constructor: " + ctor);
    }
    return BeanUtils.instantiateClass(ctor);
}

catch (Throwable ex) {
    throw new NullValueInNestedPathException(getRootClass(), this.nestedPath + name, "Could not instantiate property type "] + type.getName() + "] to auto-grow nested property path", ex);
}

/**
 * Parse the given property name into the corresponding property name tokens.
 * @param propertyName the property name to parse
 * @return representation of the parsed property tokens
 */
private PropertyTokenHolder getPropertyNameTokens(String propertyName) {
    String actualName = null;
    List<String> keys = new ArrayList<>(2);
    int searchIndex = 0;
    while (searchIndex != -1) {
        int keyStart = propertyName.indexOf(PROPERTY_KEY_PREFIX, searchIndex);
        searchIndex = -1;
        if (keyStart != -1) {
            int keyEnd = propertyName.indexOf(PROPERTY_KEY_SUFFIX, keyStart + PROPERTY_KEY_PREFIX.length());
            if (keyEnd != -1) {
                int keyStart = propertyName.indexOf(PROPERTY_KEY_SUFFIX, keyStart + PROPERTY_KEY_PREFIX.length());
                if (keyEnd != -1) {
                    if (actualName == null) {
actualName = propertyName.substring(0, keyStart);
}
String key = propertyName.substring(keyStart + PROPERTY_KEY_PREFIX.length(), keyEnd);
if (key.length() > 1 && (key.startsWith("'") && key.endsWith("'")) ||
(key.startsWith("\"") && key.endsWith("\""))) {
key = key.substring(1, key.length() - 1);
}
keys.add(key);
searchIndex = keyEnd + PROPERTY_KEY_SUFFIX.length();
}
}
}
PropertyTokenHolder tokens = new PropertyTokenHolder(actualName != null ? actualName : propertyName);
if (!keys.isEmpty()) {
tokens.canonicalName += PROPERTY_KEY_PREFIX +
StringUtils.collectionToDelimitedString(keys, PROPERTY_KEY_SUFFIX + PROPERTY_KEY_PREFIX) +
PROPERTY_KEY_SUFFIX;
tokens.keys = StringUtils.toStringArray(keys);
}
return tokens;
}
@Override
public String toString() {
StringBuilder sb = new StringBuilder(getClass().getName());
if (this.wrappedObject != null) {
sb.append(": wrapping object [").append(ObjectUtils.identityToString(this.wrappedObject)).append("]");
}
else {
sb.append(": no wrapped object set");
}
return sb.toString();
}

/**
* A handler for a specific property.
*/
protected abstract static class PropertyHandler {
private final Class<?> propertyType;
private final boolean readable;
private final boolean writable;
public PropertyHandler(Class<?> propertyType, boolean readable, boolean writable) {
this.propertyType = propertyType;

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this.readable = readable;
this.writable = writable;
}

public Class<? extends ? super Object> getPropertyType() {
return this.propertyType;
}

public boolean isReadable() {
return this.readable;
}

public boolean isWritable() {
return this.writable;
}

public abstract TypeDescriptor toTypeDescriptor();

public abstract ResolvableType getResolvableType();

@Nullable
public Class<? extends ? super Object> getMapKeyType(int nestingLevel) {
return getResolvableType().getNested(nestingLevel).asMap().resolveGeneric(0);
}

@Nullable
public Class<? extends ? super Object> getMapValueType(int nestingLevel) {
return getResolvableType().getNested(nestingLevel).asMap().resolveGeneric(1);
}

@Nullable
public Class<? extends ? super Object> getCollectionType(int nestingLevel) {
return getResolvableType().getNested(nestingLevel).asCollection().resolveGeneric();
}

@Nullable
public abstract TypeDescriptor nested(int level);

@Nullable
public abstract Object getValue() throws Exception;

public abstract void setValue(@Nullable Object value) throws Exception;
}

/**
 * Holder class used to store property tokens.
 */
protected static class PropertyTokenHolder {

    public PropertyTokenHolder(String name) {
        this.actualName = name;
        this.canonicalName = name;
    }

    public String actualName;

    public String canonicalName;

    @Nullable
    public String[] keys;

}

1.211 glibc 2.27 3ubuntu1

1.211.1 Available under license:

    /* setjmp is implemented in setjmp.S */
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1.212 jetty-servlets 9.4.12.v20180830

1.213 jline-terminal-jna 3.9.0

1.214 jetty-client 9.4.12.v20180830

1.215 caffeine 2.6.2

1.216 aspectj-tools 1.8.11

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1.217 linux-kernel 4.15.0-72.81

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

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============
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- Christian Theiss

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```
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```

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1.220 netty 3.10.6

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- javaee_web_services_1_4.xsd
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- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
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org.apache.tomcat.util.json.JSONParser.jj is a public domain javacc grammar
for JSON written by Robert Fischer.
https://github.com/RobertFischer/json-parser

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The original XML Schemas for Java EE Deployment Descriptors:
- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
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- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
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- javaee_web_services_client_1_4.xsd
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MySQL Connector/J 8.0

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

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

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.
Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

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

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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

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

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

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

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

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

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on
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Preamble

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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.
The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

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

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

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

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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

   a) The modified work must itself be a software library.
   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
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   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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1.251 sudo 1.8.27-r0

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Andric, Dimitry
Barron, Danny
Bates, Tom
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Beverly, Jamie
Boardman, Spider
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Bowes, Keith
Boyce, Keith Garry
Brantley, Michael
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Calvin, Gary
Campbell, Aaron
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Farrell, Brian
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Gelman, Stephen
Gerraty, Simon J.
Graber, Stephane
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Holloway, Nick
Hoover, Adam
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Moldung, Jan Thomas
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Mueller, Andreas
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Peschel, Aaron
Peslyak, Alexander
Peterson, Toby
Petten, Diego Elio
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The following people have worked to translate sudo into other languages as part of the Translation Project, see https://translationproject.org for more details.

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Blttermann, Mario
Bogusz, Jakub
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Casagrande, Milo
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1.277 tomcat-embed-el 9.0.17

1.278 pax-swissbox-core 1.8.2

1.279 cas-server-core 5.2.0

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APPENDIX: How to apply the Apache License to your work
package com.hazelcast.security.permission;

/**
 * To be able to map-reduce from a client in a secure environment
 */
public class MapReducePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public MapReducePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}

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 */
package com.hazelcast.security.permission;

public class MapPermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int LOCK = 64;
    private static final int INDEX = 128;
    private static final int INTERCEPT = 256;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX | INTERCEPT;

    public MapPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_PUT.equals(action)) {
            mask |= PUT;
        } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
            mask |= REMOVE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        } else if (ActionConstants.ACTION_LOCK.equals(action)) {
            mask |= LOCK;
        }
    }
}
} else if (ActionConstants.ACTION_INDEX.equals(action)) {
    mask |= INDEX;
} else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
    mask |= INTERCEPT;
}
}
return mask;
}

package com.hazelcast.security.permission;

public class QueuePermission extends InstancePermission {

    private static final int ADD = 4;
    private static final int READ = 8;
    private static final int REMOVE = 16;
    private static final int LISTEN = 32;
    private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

    public QueuePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
        }
        return mask;
    }

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 */
if (ActionConstants.ACTION_CREATE.equals(action)) {
    mask |= CREATE;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
} else if (ActionConstants.ACTION_ADD.equals(action)) {
    mask |= ADD;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
} else if (ActionConstants.ACTION_REMOVE.equals(action)) {
    mask |= REMOVE;
} else if (ActionConstants.ACTION_LISTEN.equals(action)) {
    mask |= LISTEN;
}

return mask;
}
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package com.hazelcast.security.permission;

public class DurableExecutorServicePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public DurableExecutorServicePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            // Implementation...
        }
        return mask;
    }
}
if (ActionConstants.ACTION_ALL.equals(action)) {
    return ALL;
}

if (ActionConstants.ACTION_CREATE.equals(action)) {
    mask |= CREATE;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
}

return mask;

package com.hazelcast.security.permission;

public class RingBufferPermission extends InstancePermission {
    private static final int PUT = 4;
    private static final int READ = 8;
    private static final int ALL = PUT | READ;

    public RingBufferPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
        }
        return mask;
    }
}
if (ActionConstants.ACTION_CREATE.equals(action)) {
    mask |= CREATE;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
} else if (ActionConstants.ACTION_PUT.equals(action)) {
    mask |= PUT;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
}

return mask;
}

package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public final class AllPermissions extends ClusterPermission {

    public AllPermissions() {
        super("<all permissions>");
    }

    @Override
    public boolean implies(Permission permission) {
        return true;
    }

    @Override
public boolean implies(Permission permission) {
    return true;
}
public String getActions() {
    return "<all actions>";
}

@Override
public PermissionCollection newPermissionCollection() {
    return new AllPermissionsCollection();
}

@Override
public String toString() {
    return "<allow all permissions>";
}

@Override
public boolean equals(Object obj) {
    return obj instanceof AllPermissions;
}

@Override
public int hashCode() {
    return 111;
}

public static final class AllPermissionsCollection extends PermissionCollection {
    private static final AllPermissions ALL_PERMISSIONS = new AllPermissions();
    private boolean all;

    public AllPermissionsCollection() {
    }

    public AllPermissionsCollection(boolean all) {
        this.all = all;
    }

    @Override
    public void add(Permission permission) {
        if (permission instanceof AllPermissions) {
            all = true;
        }
    }

    @Override
    public boolean implies(Permission permission) {
        return all;
    }
}

@Override
public boolean implies(Permission permission) {
    return all;
}

@Override
public Enumeration<Permission> elements() {
    return new Enumeration<Permission>() {
        boolean more = all;

        @Override
        public boolean hasMoreElements() {
            return more;
        }

        @Override
        public Permission nextElement() {
            more = false;
            return ALL_PERMISSIONS;
        }
    };
}

@Override
public int hashCode() {
    return all ? 13 : -13;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    AllPermissionsCollection other = (AllPermissionsCollection) obj;
    return all == other.all;
}

@Override
public String toString() {
    return "<allow all permissions>";
}
}

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package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Collections;
import java.util.Enumeration;
import java.util.HashSet;
import java.util.Iterator;
import java.util.Set;

public class ClusterPermissionCollection extends PermissionCollection {

    final Set<Permission> perms = new HashSet<Permission>();
    final Class<? extends Permission> permClass;

    public ClusterPermissionCollection() {
        permClass = null;
    }

    public ClusterPermissionCollection(Class<? extends Permission> permClass) {
        this.permClass = permClass;
    }

    public void add(Permission permission) {
        if (isReadOnly()) {
            throw new SecurityException("ClusterPermissionCollection is read-only!");
        }
        boolean shouldAdd = (permClass != null && permClass.equals(permission.getClass()))
                           || (permission instanceof ClusterPermission);
        if (shouldAdd && !implies(permission)) {
            perms.add(permission);
        }
    }

    public void add(PermissionCollection permissions) {
        if (isReadOnly()) {

        }
    }
}
throw new SecurityException("ClusterPermissionCollection is read-only!");

if (permissions instanceof ClusterPermissionCollection) {
    for (Permission p : ((ClusterPermissionCollection) permissions).perms) {
        add(p);
    }
}

public boolean implies(Permission permission) {
    for (Permission p : perms) {
        if (p.implies(permission)) {
            return true;
        }
    }
    return false;
}

public void compact() {
    if (isReadOnly()) {
        throw new SecurityException("ClusterPermissionCollection is read-only!");
    }
    final Iterator<Permission> iter = perms.iterator();
    while (iter.hasNext()) {
        final Permission perm = iter.next();
        boolean implies = false;
        for (Permission p : perms) {
            if (p != perm && p.implies(perm)) {
                implies = true;
                break;
            }
        }
        if (implies) {
            iter.remove();
        }
    }
    setReadOnly();
}

public Enumeration<Permission> elements() {
    return Collections.enumeration(perms);
}

public Set<Permission> getPermissions() {
    return Collections.unmodifiableSet(perms);
}

@Override
public String toString() {
    return "ClusterPermissionCollection [permClass=" + permClass + "]";
}

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package com.hazelcast.security.permission;

public class ExecutorServicePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public ExecutorServicePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}
package com.hazelcast.security.permission;

public class SemaphorePermission extends InstancePermission {

    private static final int ACQUIRE = 4;
    private static final int RELEASE = 8;
    private static final int READ = 16;
    private static final int ALL = CREATE | DESTROY | ACQUIRE | RELEASE | READ;

    public SemaphorePermission(String name, String... actions) {

        // Constructor logic
    }
}
super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_ACQUIRE.equals(action)) {
            mask |= ACQUIRE;
        } else if (ActionConstants.ACTION_RELEASE.equals(action)) {
            mask |= RELEASE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        }
    }
    return mask;
}

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 */

class TopicPermission extends InstancePermission {
    private static final int PUBLISH = 4;
    private static final int LISTEN = 8;
private static final int ALL = CREATE | DESTROY | LISTEN | PUBLISH;

public TopicPermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_PUBLISH.equals(action)) {
            mask |= PUBLISH;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        }
    }
    return mask;
}

package com.hazelcast.security.permission;

public class MultiMapPermission extends MapPermission {

    public MultiMapPermission(String name, String... actions) {

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         */

        */
public class LockPermission extends InstancePermission {

    private static final int LOCK = 4;
    private static final int READ = 8;
    private static final int ALL = CREATE | DESTROY | LOCK | READ;

    public LockPermission(String key, String... actions) {
        super(key, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            else if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_LOCK.equals(action)) {
                mask |= LOCK;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            }
        }
    }

    package com.hazelcast.security.permission;

package com.hazelcast.security.permission;

import java.security.Permission;

public class TransactionPermission extends ClusterPermission {

    public TransactionPermission() {
        super("<transaction>");
    }

    @Override
    public boolean implies(Permission permission) {
        return getClass() == permission.getClass();
    }

    @Override
    public String getActions() {
        return "transaction";
    }
}

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 */
package com.hazelcast.security.permission;

class AtomicLongPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicLongPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            } else if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }

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package com.hazelcast.security.permission;

public class ListPermission extends InstancePermission {

    private static final int ADD = 4;
    private static final int READ = 8;
    private static final int REMOVE = 16;
    private static final int LISTEN = 32;
    private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

    public ListPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_ADD.equals(action)) {
                mask |= ADD;
            } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
                mask |= REMOVE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
                mask |= LISTEN;
            }
        }

        return mask;
    }
}
public final class ActionConstants {

    public static final String ACTION_ALL = "all";
    public static final String ACTION_CREATE = "create";
    public static final String ACTION_DESTROY = "destroy";

public static final String ACTION_MODIFY = "modify";
public static final String ACTION_READ = "read";
public static final String ACTION_REMOVE = "remove";
public static final String ACTION_LOCK = "lock";
public static final String ACTION_LISTEN = "listen";
public static final String ACTION_RELEASE = "release";
public static final String ACTION_ACQUIRE = "acquire";
public static final String ACTION_PUT = "put";
public static final String ACTION_ADD = "add";
public static final String ACTION_INDEX = "index";
public static final String ACTION_INTERCEPT = "intercept";
public static final String ACTION_PUBLISH = "publish";

public static final String LISTENER_INSTANCE = "instance";
public static final String LISTENER_MEMBER = "member";
public static final String LISTENER_MIGRATION = "migration";

private static final Map<String, PermissionFactory> PERMISSION_FACTORY_MAP = new HashMap<String, PermissionFactory>();

static {
    PERMISSION_FACTORY_MAP.put(QueueService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new QueuePermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(MapService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new MapPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(MultiMapService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new MultiMapPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(ListService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new ListPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(SetService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new SetPermission(name, actions);
        }
    });
}
return new SetPermission(name, actions);
});

PERMISSION_FACTORY_MAP.put(AtomicLongService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicLongPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(CountDownLatchService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CountDownLatchPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(SemaphoreService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new SemaphorePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(TopicService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new TopicPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(LockService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new LockPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(DistributedExecutorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ExecutorServicePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(IdGeneratorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicLongPermission(IdGeneratorService.ATOMIC_LONG_NAME + name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(MapReduceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new MapReducePermission(name, actions);
    }
});

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public Permission create(String name, String... actions) {
    return new MapReducePermission(name, actions);
}

PERMISSION_FACTORY_MAP.put(ReplicatedMapService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ReplicatedMapPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(AtomicReferenceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicReferencePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(CacheService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CachePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(RingbufferService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new RingBufferPermission(name, actions);
    }
});

private ActionConstants() {
}

private interface PermissionFactory {
    Permission create(String name, String... actions);
}

/**
 * Creates a permission
 * @param name
 * @param serviceName
 * @param actions
 * @return the created Permission
 * @throws java.lang.IllegalArgumentException if there is no service found with the given serviceName.
 */
public static Permission getPermission(String name, String serviceName, String... actions) {
    PermissionFactory permissionFactory = PERMISSION_FACTORY_MAP.get(serviceName);
    return permissionFactory.create(name, actions);
}
if (permissionFactory == null) {
    throw new IllegalArgumentException("No permissions found for service: " + serviceName);
}

return permissionFactory.create(name, actions);
}

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 */

package com.hazelcast.security.permission;

public class SetPermission extends ListPermission {
    public SetPermission(String name, String... actions) {
        super(name, actions);
    }
}

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 */
package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;

public abstract class ClusterPermission extends Permission {

    private int hashcode;

    public ClusterPermission(String name) {
        super(name);
    }

    public PermissionCollection newPermissionCollection() {
        return new ClusterPermissionCollection(getClass());
    }

    @Override
    public int hashCode() {
        if (hashcode == 0) {
            final int prime = 31;
            int result = 1;
            if (getName() == null) {
                result = prime * result + 13;
            } else {
                result = prime * result + getName().hashCode();
            }
            hashcode = result;
        }
        return hashcode;
    }

    @Override
    public boolean equals(Object obj) {
        if (this == obj) {
            return true;
        }
        if (obj == null) {
            return false;
        }
        if (getClass() != obj.getClass()) {
            return false;
        }
        ClusterPermission other = (ClusterPermission) obj;
        if (getName() == null && other.getName() != null) {
            return false;
        }
        return true;
    }
}
if (!getName().equals(other.getName())) {
    return false;
}
return true;
}
*/

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*/

package com.hazelcast.security.permission;

public class ReplicatedMapPermission
extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int LOCK = 64;
    private static final int INDEX = 128;
    private static final int INTERCEPT = 256;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX | INTERCEPT;

    public ReplicatedMapPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
        }
        return mask;
    }
}
if (ActionConstants.ACTION_CREATE.equals(action)) {
    mask |= CREATE;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
} else if (ActionConstants.ACTION_PUT.equals(action)) {
    mask |= PUT;
} else if (ActionConstants.ACTION_REMOVE.equals(action)) {
    mask |= REMOVE;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
} else if (ActionConstants.ACTION_LISTEN.equals(action)) {
    mask |= LISTEN;
} else if (ActionConstants.ACTION_LOCK.equals(action)) {
    mask |= LOCK;
} else if (ActionConstants.ACTION_INDEX.equals(action)) {
    mask |= INDEX;
} else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
    mask |= INTERCEPT;
}
}
return mask;

package com.hazelcast.security.permission;

import com.hazelcast.config.matcher.WildcardConfigPatternMatcher;

import java.security.Permission;

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 */

package com.hazelcast.security.permission;

import com.hazelcast.config.matcher.WildcardConfigPatternMatcher;

import java.security.Permission;

/**
 * @TODO Object Permission
 */
*/
public abstract class InstancePermission extends ClusterPermission {
protected static final int NONE = 0;
protected static final int CREATE = 1;
protected static final int DESTROY = 2;
private static final WildcardConfigPatternMatcher CONFIG_PATTERN_MATCHER = new
WildcardConfigPatternMatcher();
protected final int mask;
protected final String actions;
public InstancePermission(String name, String... actions) {
super(name);
if (name == null || "".equals(name)) {
throw new IllegalArgumentException("Permission name is mandatory!");
}
mask = initMask(actions);
final StringBuilder s = new StringBuilder();
for (String action : actions) {
s.append(action).append(" ");
}
this.actions = s.toString();
}
/**
* init mask
*/
protected abstract int initMask(String[] actions);
@Override
public boolean implies(Permission permission) {
if (this.getClass() != permission.getClass()) {
return false;
}
InstancePermission that = (InstancePermission) permission;
boolean maskTest = ((this.mask & that.mask) == that.mask);
if (!maskTest) {
return false;
}
return CONFIG_PATTERN_MATCHER.matches(getName(), that.getName());
}

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@Override
public String getActions() {
    return actions;
}

@Override
public int hashCode() {
    int result = super.hashCode();
    result = 31 * result + mask;
    result = 31 * result + actions.hashCode();
    return result;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    InstancePermission other = (InstancePermission) obj;
    if (getName() == null && other.getName() != null) {
        return false;
    }
    if (!getName().equals(other.getName())) {
        return false;
    }
    if (mask != other.mask) {
        return false;
    }
    return true;
}

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package com.hazelcast.security.permission;

public class CountDownLatchPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = CREATE | DESTROY | READ | MODIFY;

    public CountDownLatchPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            }
        }
        return mask;
    }
}

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 */
package com.hazelcast.security.permission;

public class CachePermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN;

    public CachePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_PUT.equals(action)) {
                mask |= PUT;
            } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
                mask |= REMOVE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
                mask |= LISTEN;
            }
        }

        return mask;
    }
}
package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public class DenyAllPermissionCollection extends PermissionCollection {

    public DenyAllPermissionCollection() {
    }

    @Override
    public void add(Permission permission) {
    }

    @Override
    public boolean implies(Permission permission) {
        return false;
    }

    @Override
    public Enumeration<Permission> elements() {
        return new Enumeration<Permission>() {
            @Override
            public boolean hasMoreElements() {
                return false;
            }

            @Override
            public Permission nextElement() {
                return null;
            }
        }
    }
}

*/
*/

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 */
@Override
public int hashCode() {
    return 37;
}

@Override
public String toString() {
    return "<deny all permissions>";
}

@Override
public boolean equals(Object obj) {
    return obj instanceof DenyAllPermissionCollection;
}

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 */

package com.hazelcast.security.permission;

public class AtomicReferencePermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicReferencePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
            mask |= MODIFY;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        }
    }
    return mask;
}
other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

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1.299 spring-boot-starter-web 2.1.4

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1.300 momentjs 2.18.1

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1.301 common 5.2.8

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1.302 lucene-analyzers-common 5.5.5

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#!perl

copyright.t

=head1 NAME

copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people
working on older releases. It should be run before making a new release.

=cut

use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) { skip_all( "Not all files are available during cross-compilation" ); }

my ($opt) = @ARGV;
my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so # that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
    my $current_year = (gmtime)[5] + 1900;
is $v_year, $current_year, 'perl -v copyright includes current year';
is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
    open my $readme, '<', '../README' or die "Opening README failed: $!";

    # The copyright message is the first paragraph:
    local $/ = "
    my $copyright_msg = <$readme>;

    my ($year) = $copyright_msg =~ /\b\d{4,}\b/;     # or die "Year not found in README copyright message \$copyright_msg";

    "$year"
sub v_year
# returns the latest copyright year shown in perl -v
{
my $output = runperl switches =&gt; ['-v'];
my ($year) = $output =~ /copyright 1987.*\b\d\{4,\}/i
   or die "Copyright statement not found in perl -v output '$output'';
$year;
}

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

-------------------------------------------------------------------------------
---
abstract: 'Build and install Perl modules'
author:
  - 'Ken Williams <kwilliams@cpan.org>'
  - "Development questions, bug reports, and patches should be sent to the Module-Build mailing list at <module-build@perl.org>.,"
build_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
  license: http://dev.perl.org/licenses/
  repository: http://github.com/dagolden/module-build/
  version: 3

1.313 yang-model-util 2.1.11
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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@var{one line to give the program's name and a brief idea of what it does.}
Copyright (C) @var{year} @var{name of author}

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@end smallexample

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@end smallexample

@var{program} Copyright (C) @var{year} @var{name of author}
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@end smallexample

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@end c man end

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Developed by:

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<th>Program</th>
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1.315 jpowershell 1.9

1.316 cas-server-support-actions 5.2.0

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The sources may be found at most Linux ftp sites, including

This package was then maintained by Sven Rudolph.
This package was maintained by Herbert Xu <herbert@gondor.apana.org.au> from March 1997 to May 2004.

This package was maintained by the Debian Kernel Team <debian-kernel@lists.debian.org>

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1.322 govmomi 1.5.2 0.7.git269f928.el7

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*/
package license

import (  
    "context"  
    "flag"  
    "github.com/vmware/govmomi/govc/cli"  
    "github.com/vmware/govmomi/govc/flags"  
    "github.com/vmware/govmomi/license"
)

type remove struct {  
    *flags.ClientFlag  
    *flags.OutputFlag
}

func init() {  
    cli.Register("license.remove", &remove{}))
}

func (cmd *remove) Register(ctx context.Context, f *flag.FlagSet) {  
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)  
    cmd.ClientFlag.Register(ctx, f)  
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)  
    cmd.OutputFlag.Register(ctx, f)
}

func (cmd *remove) Process(ctx context.Context) error {  
    if err := cmd.ClientFlag.Process(ctx); err != nil {  
        return err  
    }  
    if err := cmd.OutputFlag.Process(ctx); err != nil {  
        return err  
    }  
    return nil
}

func (cmd *remove) Usage() string {  
    return "KEY..."
}

func (cmd *remove) Run(ctx context.Context, f *flag.FlagSet) error {  
    client, err := cmd.Client()  
    if err != nil {  
        return err
    }  
    return nil
}
m := license.NewManager(client)
for _, v := range f.Args() {
    err = m.Remove(ctx, v)
    if err != nil {
        return err
    }
}

return nil
}
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*/

package license

import (
    "context"
    "strconv"
    "strings"
    "github.com/vmware/govmomi/object"
    "github.com/vmware/govmomi/vim25"
    "github.com/vmware/govmomi/vim25/methods"
    "github.com/vmware/govmomi/vim25/mo"
    "github.com/vmware/govmomi/vim25/types"
)

type Manager struct {
    object.Common
}

func NewManager(c *vim25.Client) *Manager {
    m := Manager{
        object.NewCommon(c, *c.ServiceContent.LicenseManager),
func mapToKeyValueSlice(m map[string]string) []types.KeyValue {
    var r []types.KeyValue
    for k, v := range m {
        r = append(r, types.KeyValue{Key: k, Value: v})
    }
    return r
}

func (m Manager) Add(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error) {
    req := types.AddLicense{
        This:       m.Reference(),
        LicenseKey: key,
        Labels:     mapToKeyValueSlice(labels),
    }
    res, err := methods.AddLicense(ctx, m.Client(), &req)
    if err != nil {
        return types.LicenseManagerLicenseInfo{}, err
    }
    return res.Returnval, nil
}

func (m Manager) Decode(ctx context.Context, key string) (types.LicenseManagerLicenseInfo, error) {
    req := types.DecodeLicense{
        This:       m.Reference(),
        LicenseKey: key,
    }
    res, err := methods.DecodeLicense(ctx, m.Client(), &req)
    if err != nil {
        return types.LicenseManagerLicenseInfo{}, err
    }
    return res.Returnval, nil
}

func (m Manager) Remove(ctx context.Context, key string) error {
    req := types.RemoveLicense{
        This:       m.Reference(),
        LicenseKey: key,
    }
    res, err := methods.RemoveLicense(ctx, m.Client(), &req)
    if err != nil {
        return types.LicenseManagerLicenseInfo{}, err
    }
    return res.Returnval, nil
}
func (m Manager) Update(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error) {
    req := types.UpdateLicense{
        This:       m.Reference(),
        LicenseKey: key,
        Labels:     mapToKeyValueSlice(labels),
    }

    res, err := methods.UpdateLicense(ctx, m.Client(), &req)
    if err != nil {
        return types.LicenseManagerLicenseInfo{}, err
    }

    return res.Returnval, nil
}

func (m Manager) List(ctx context.Context) (InfoList, error) {
    var mlm mo.LicenseManager
    err := m.Properties(ctx, m.Reference(), []string{"licenses"}, &mlm)
    if err != nil {
        return nil, err
    }

    return InfoList(mlm.Licenses), nil
}

func (m Manager) AssignmentManager(ctx context.Context) (*AssignmentManager, error) {
    var mlm mo.LicenseManager
    err := m.Properties(ctx, m.Reference(), []string{"licenseAssignmentManager"}, &mlm)
    if err != nil {
        return nil, err
    }

    if mlm.LicenseAssignmentManager == nil {
        return nil, object.ErrNotSupported
    }

    am := AssignmentManager{
        object.NewCommon(m.Client(), *mlm.LicenseAssignmentManager),
    }

    return am, nil
}
func parseLicenseFeature(feature string) *licenseFeature {
    lf := new(licenseFeature)
    f := strings.Split(feature, ":")
    lf.name = f[0]
    if len(f) > 1 {
        var err error
        lf.level, err = strconv.Atoi(f[1])
        if err != nil {
            lf.name = feature
        }
    }
    return lf
}

func HasFeature(license types.LicenseManagerLicenseInfo, key string) bool {
    feature := parseLicenseFeature(key)
    for _, p := range license.Properties {
        if p.Key != "feature" {
            continue
        }
        kv, ok := p.Value.(types.KeyValue)
        if !ok {
            continue
        }
        lf := parseLicenseFeature(kv.Key)
        if lf.name == feature.name && lf.level >= feature.level {
            return true
        }
    }
    return false
// InfoList provides helper methods for []types.LicenseManagerLicenseInfo
// InfoList [types.LicenseManagerLicenseInfo

func (l InfoList) WithFeature(key string) InfoList {
    var result InfoList
    for _, license := range l {
        if HasFeature(license, key) {
            result = append(result, license)
        }
    }
    return result
}

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package simulator

import (}
// EvalLicense is the default license
var EvalLicense = types.LicenseManagerLicenseInfo{
    LicenseKey: "00000-00000-00000-00000-00000",
    EditionKey: "eval",
    Name: "Evaluation Mode",
    Properties: []types.KeyAnyValue{
        {
            Key: "feature",
            Value: types.KeyValue{
                Key: "serialuri:2",
                Value: "Remote virtual Serial Port Concentrator",
            },
        },
        {
            Key: "feature",
            Value: types.KeyValue{
                Key: "dvs",
                Value: "vSphere Distributed Switch",
            },
        },
    },
}

type LicenseManager struct {
    mo.LicenseManager
}

func NewLicenseManager(ref types.ManagedObjectReference) object.Reference {
    m := &LicenseManager{}
    m.Self = ref
    m.Licenses = []types.LicenseManagerLicenseInfo{EvalLicense}

    if Map.IsVPX() {
        am := Map.Put(&LicenseAssignmentManager{}).Reference()
        m.LicenseAssignmentManager = &am
    }

    return m
}

func (m *LicenseManager) AddLicense(req *types.AddLicense) soap.HasFault {

body := &methods.AddLicenseBody{
    Res: &types.AddLicenseResponse{
}
}

for _, license := range m.Licenses {
    if license.LicenseKey == req.LicenseKey {
        body.Res.Returnval = licenseInfo(license.LicenseKey, license.Labels)
        return body
    }
}

m.Licenses = append(m.Licenses, types.LicenseManagerLicenseInfo{
    LicenseKey: req.LicenseKey,
    Labels:     req.Labels,
})

body.Res.Returnval = licenseInfo(req.LicenseKey, req.Labels)

return body

func (m *LicenseManager) RemoveLicense(req *types.RemoveLicense) soap.HasFault {
    body := &methods.RemoveLicenseBody{
        Res: &types.RemoveLicenseResponse{
    }
}

for i, license := range m.Licenses {
    if req.LicenseKey == license.LicenseKey {
        m.Licenses = append(m.Licenses[:i], m.Licenses[i+1:]...)
        return body
    }
}

return body

func (m *LicenseManager) UpdateLicenseLabel(req *types.UpdateLicenseLabel) soap.HasFault {
    body := &methods.UpdateLicenseLabelBody{
}

for i := range m.Licenses {
    license := &m.Licenses[i]

    if req.LicenseKey != license.LicenseKey {
        continue
    }

    body.Res = new(types.UpdateLicenseLabelResponse)

    for j := range license.Labels {


label := license.Labels[j]

if label.Key == req.LabelKey {
if req.LabelValue == "" {
    license.Labels = append(license.Labels[i], license.Labels[i+1:]...)
} else {
    label.Value = req.LabelValue
}
return body
}

license.Labels = append(license.Labels, types.KeyValue{
    Key:   req.LabelKey,
    Value: req.LabelValue,
})
return body

body.Fault_ = Fault("", &types.InvalidArgument{InvalidProperty: "licenseKey"})
return body

type LicenseAssignmentManager struct {
    mo.LicenseAssignmentManager
}

func (m *LicenseAssignmentManager) QueryAssignedLicenses(req *types.QueryAssignedLicenses) soap.HasFault {
    body := &methods.QueryAssignedLicensesBody{
        Res: &types.QueryAssignedLicensesResponse{},
    }

    // EntityId can be a HostSystem or the vCenter InstanceUuid
    if req.EntityId != "" {
        if req.EntityId != Map.content().About.InstanceUuid {
            id := types.ManagedObjectReference{
                Type: "HostSystem",
                Value: req.EntityId,
            }
            if Map.Get(id) == nil {
                return body
            }
        }
    }

    return body
}
body.Res.Returnval = []types.LicenseAssignmentManagerLicenseAssignment{
    EntityId: req.EntityId,
    AssignedLicense: EvalLicense,
}

return body

func licenseInfo(key string, labels []types.KeyValue) types.LicenseManagerLicenseInfo {
    info := EvalLicense

    info.LicenseKey = key
    info.Labels = labels

    return info
}

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package license

import (
    "context"
    "github.com/vmware/govmomi/object"
    "github.com/vmware/govmomi/vim25/methods"
    "github.com/vmware/govmomi/vim25/types"
)

type AssignmentManager struct {
    object.Common
}

func (m AssignmentManager) QueryAssigned(ctx context.Context, id string) ([]types.LicenseAssignmentManagerLicenseAssignment, error) {
    req := types.QueryAssignedLicenses{
        This:     m.Reference(),
        EntityId: id,
    }

    res, err := methods.QueryAssignedLicenses(ctx, m.Client(), &req)
    if err != nil {
        return nil, err
    }

    return res.Returnval, nil
}

func (m AssignmentManager) Remove(ctx context.Context, id string) error {
    req := types.RemoveAssignedLicense{
        This:     m.Reference(),
        EntityId: id,
    }

    _, err := methods.RemoveAssignedLicense(ctx, m.Client(), &req)

    return err
}

func (m AssignmentManager) Update(ctx context.Context, id string, key string, name string)
(*types.LicenseManagerLicenseInfo, error) {
    req := types.UpdateAssignedLicense{
        This:          m.Reference(),
        Entity:        id,
        LicenseKey:    key,
        EntityDisplayName: name,
    }

    res, err := methods.UpdateAssignedLicense(ctx, m.Client(), &req)
    if err != nil {
        return nil, err
    }
}

return &res.Returnval, nil

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package license

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    "flag"
    "fmt"
    "github.com/vmware/govmomi/govc-cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
    "github.com/vmware/govmomi/vim25/types"
}

type add struct {
    *flags.ClientFlag
    *flags.OutputFlag
}

func init() {
    cli.Register("license.add", &add{ })
}

func (cmd *add) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
}
func (cmd *add) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *add) Usage() string {
    return "KEY..."
}

func (cmd *add) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }
    m := license.NewManager(client)

    // From the vSphere 5.5 documentation:
    //
    // To specify the edition type and any optional functions, use
    // updateLicense for ESX Server and addLicense follow by
    // LicenseAssignmentManager.updateAssignedLicense for VirtualCenter.
    //
    var addFunc func(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error)
    switch t := client.ServiceContent.About.ApiType; t {
    case "HostAgent":
        addFunc = m.Update
    case "VirtualCenter":
        addFunc = m.Add
    default:
        return fmt.Errorf("unsupported ApiType: %s", t)
    }

    result := make(licenseOutput, 0)
    for _, v := range f.Args() {
        license, err := addFunc(ctx, v, nil)
        if err != nil {
            return err
        }
        result = append(result, license)
    }
    return nil
}
result = append(result, license)
}

return cmd.WriteResult(licenseOutput(result))
#
# People who can (and typically have) contributed to this repository.
#
# This script is generated by contributors.sh
#

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*/

package simulator

import (
    "context"
    "reflect"
    "testing"

    "github.com/vmware/govmomi"
    "github.com/vmware/govmomi/find"
    "github.com/vmware/govmomi/license"
)

func TestLicenseManagerVPX(t *testing.T) { 
    ctx := context.Background() 
    m := VPX() 

    defer m.Remove()
    err := m.Create() 
    if err != nil { 
        t.Fatal(err) 
    }
    s := m.Service.NewServer() 
    defer s.Close()

    c, err := govmomi.NewClient(ctx, s.URL, true) 
    if err != nil { 
        t.Fatal(err) 
    }
    lm := license.NewManager(c.Client) 
    am, err := lm.AssignmentManager(ctx) 
    if err != nil { 
        t.Fatal(err) 
    }
    la, err := am.QueryAssigned(ctx, "enoent") 
    if err != nil { 

t.Fatal(err)
}

if len(la) != 0 {
    t.Errorf("unexpected license")
}

finder := find.NewFinder(c.Client, false)
hosts, err := finder.HostSystemList(ctx, "/...")
if err != nil {
    t.Fatal(err)
}

host := hosts[0].Reference().Value

for _, name := range []string{"", host, vcid} {
    la, err = am.QueryAssigned(ctx, name)
    if err != nil {
        t.Fatal(err)
    }
    if len(la) != 1 {
        t.Fatal("no licenses")
    }
    if !reflect.DeepEqual(la[0].AssignedLicense, EvalLicense) {
        t.Fatal("invalid license")
    }
}

func TestLicenseManagerESX(t *testing.T) {
    ctx := context.Background()
    m := ESX()
    defer m.Remove()

    err := m.Create()
    if err != nil {
        t.Fatal(err)
    }

    s := m.Service.NewServer()
    defer s.Close()

    c, err := govmomi.NewClient(ctx, s.URL, true)
    if err != nil {
t.Fatal(err)
}

lm := license.NewManager(c.Client)
_, err = lm.AssignmentManager(ctx)
if err != nil {
    t.Fatal("expected error")
}

la, err := lm.List(ctx)
if err != nil {
    t.Fatal(err)
}

if len(la) != 1 {
    t.Fatal("no licenses")
}

if !reflect.DeepEqual(la[0], EvalLicense) {
    t.Fatal("invalid license")
}

func TestAddRemoveLicense(t *testing.T) {
    ctx := context.Background()
    m := ESX()
    defer m.Remove()

    err := m.Create()
    if err != nil {
        t.Fatal(err)
    }

    s := m.Service.NewServer()
    defer s.Close()

    c, err := govmomi.NewClient(ctx, s.URL, true)
    if err != nil {
        t.Fatal(err)
    }

    lm := license.NewManager(c.Client)
    key := "00000-00000-00000-00000-11111"
    labels := map[string]string{
        "key": "value"
    }

    info, err := lm.Add(ctx, key, labels)
    if err != nil {

    

}
t.Fatal(err)
}

if info.LicenseKey != key {
t.Fatalf("expect info.LicenseKey equal to \%q; got \%q", key, info.LicenseKey)
}

if len(info.Labels) != len(labels) {
t.Fatalf("expect len(info.Labels) equal to \%d; got \%d", len(labels), len(info.Labels))
}

if info.Labels[0].Key != "key" || info.Labels[0].Value != "value" {
t.Fatalf("expect label to be \{key:value\}; got \{\%s:\%s\}\", info.Labels[0].Key, info.Labels[0].Value)
}

la, err := lm.List(ctx)
if err != nil {
t.Fatal(err)
}

if len(la) != 2 {
t.Fatalf("no licenses")
}

if la[1].LicenseKey != key {
t.Fatalf("expect info.LicenseKey equal to \%q; got \%q", key, la[1].LicenseKey)
}

if len(la[1].Labels) != len(labels) {
if err != nil {
t.Fatal(err)
}
}

if la[1].Labels[0].Key != "key" || la[1].Labels[0].Value != "value" {
la[1].Labels[0].Key, la[1].Labels[0].Value)
}

err = lm.Remove(ctx, key)
if err != nil {
t.Fatal(err)
}

la, err = lm.List(ctx)
if err != nil {

t.Fatal(err)
}

if len(la) != 1 {
t.Fatal("no licenses")
}

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*/

package license

import (
    "context"
    "flag"

    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
    "github.com/vmware/govmomi/vim25/types"
)

type assign struct {
  *flags.ClientFlag
  *flags.OutputFlag
  *flags.HostSystemFlag
  *flags.ClusterFlag

  name string
}
func init() {
    cli.Register("license.assign", &assign{})
}

func (cmd *assign) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)
    cmd.HostSystemFlag, ctx = flags.NewHostSystemFlag(ctx)
    cmd.HostSystemFlag.Register(ctx, f)
    cmd.ClusterFlag, ctx = flags.NewClusterFlag(ctx)
    cmd.ClusterFlag.Register(ctx, f)
    f.StringVar(&cmd.name, "name", ",", "Display name")
    f.BoolVar(&cmd.remove, "remove", false, "Remove assignment")
}

func (cmd *assign) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.HostSystemFlag.Process(ctx); err != nil {
        return err
    }
    return cmd.ClusterFlag.Process(ctx)
}

func (cmd *assign) Usage() string {
    return "KEY"
}

func (cmd *assign) Description() string {
    return \`Assign licenses to HOST or CLUSTER.

Examples:
govc license.assign $VCSA_LICENSE_KEY
govc license.assign -host a_host.example.com $ESX_LICENSE_KEY
govc license.assign -cluster a_cluster $VSAN_LICENSE_KEY"
func (cmd *assign) Run(ctx context.Context, f *flag.FlagSet) error {
if f.NArg() != 1 {
    return flag.ErrHelp
}

key := f.Arg(0)

client, err := cmd.Client()
if err != nil {
    return err
}

m, err := license.NewManager(client).AssignmentManager(ctx)
if err != nil {
    return err
}

host, err := cmd.HostSystemIfSpecified()
if err != nil {
    return err
}

var id string

if host == nil {
    cluster, cerr := cmd.ClusterIfSpecified()
    if cerr != nil {
        return cerr
    }
    return err
}

if cluster == nil {
    // Default to vCenter UUID
    id = client.ServiceContent.About.InstanceUuid
} else {
    id = cluster.Reference().Value
}

if cmd.remove {
    return m.Remove(ctx, id)
}

info, err := m.Update(ctx, id, key, cmd.name)
if err != nil {
    return err
}
return cmd.WriteResult(licenseOutput([]types.LicenseManagerLicenseInfo{*info}))

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*/

package license

import {
    "context"
    "flag"
    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
}

var featureUsage = "List licenses with given feature"

type ls struct {
    *flags.ClientFlag
    *flags.OutputFlag
    feature string
}

func init() {
    cli.Register("license.ls", &ls{})
}

func (cmd *ls) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.ClientFlag.Register(ctx, f)
cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
cmd.OutputFlag.Register(ctx, f)

f.StringVar(&cmd.feature, "feature", ",", featureUsage)
}

func (cmd *ls) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *ls) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }
    m := license.NewManager(client)
    result, err := m.List(ctx)
    if err != nil {
        return err
    }
    if cmd.feature != "" {
        result = result.WithFeature(cmd.feature)
    }
    return cmd.WriteResult(licenseOutput(result))
}

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*/
package license

import {
    "context"
    "flag"
    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
}

type decode struct {
    *flags.ClientFlag
    *flags.OutputFlag

    feature string
}

func init() {
    cli.Register("license.decode", &decode{ })
}

func (cmd *decode) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)

    f.StringVar(&cmd.feature, "feature", "", featureUsage)
}

func (cmd *decode) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }

    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }

    return nil
}

func (cmd *decode) Usage() string {
    return "KEY..."
}
func (cmd *decode) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    var result license.InfoList
    m := license.NewManager(client)
    for _, v := range f.Args() {
        license, err := m.Decode(ctx, v)
        if err != nil {
            return err
        }
        result = append(result, license)
    }

    if cmd.feature != "" {
        result = result.WithFeature(cmd.feature)
    }

    return cmd.WriteResult(licenseOutput(result))
}

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*/

package license

import (  
    "context"  
    "flag"  
    "github.com/vmware/govmomi/govc/cli"  
    "github.com/vmware/govmomi/govc/flags"  
    "github.com/vmware/govmomi/license"  
    "github.com/vmware/govmomi/vim25/methods"  
    "github.com/vmware/govmomi/vim25/types"  
)

type label struct {  
    *flags.ClientFlag  
}

func init() {  
    cli.Register("license.label.set", &label{})  
}

func (cmd *label) Register(ctx context.Context, f *flag.FlagSet) {  
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)  
    cmd.ClientFlag.Register(ctx, f)  
}

func (cmd *label) Usage() string {  
    return "LICENSE KEY VAL"  
}

func (cmd *label) Description() string {  
    return `Set license labels.  
Examples:  
govc license.label.set 00000-00000-00000-00000-00000-00000-00000-00000 team cnx # add/set label  
govc license.label.set 00000-00000-00000-00000-00000-00000-00000-00000 team "" # remove label  
govc license.ls -json | jq`.[]] | select([.Labels[.].Key == "team"] | .LicenseKey"}
func (cmd *label) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m := license.NewManager(client)

    if f.NArg() != 3 {
        return flag.ErrHelp
    }

    req := types.UpdateLicenseLabel{
        This:       m.Reference(),
        LicenseKey: f.Arg(0),
        LabelKey:   f.Arg(1),
        LabelValue: f.Arg(2),
    }

    _, err = methods.UpdateLicenseLabel(ctx, m.Client(), &req)
    return err
}

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*/

go

package license

import (
    "fmt"
    "io"
    "os"
    "text/tabwriter"
)
type licenseOutput []types.LicenseManagerLicenseInfo

func (res licenseOutput) Write(w io.Writer) error {
    tw := tabwriter.NewWriter(os.Stdout, 4, 0, 2, ' ', 0)
    fmt.Fprintf(tw, "Key: Edition: Used: Total:
    
    for _, v := range res {
        fmt.Fprintf(tw, "%s", v.LicenseKey)
        fmt.Fprintf(tw, "%s", v.EditionKey)
        fmt.Fprintf(tw, "%d", v.Used)
        fmt.Fprintf(tw, "%d", v.Total)
        fmt.Fprintf(tw, "\n")
    }
    return tw.Flush()
}

#!/usr/bin/env bats
load test_helper

# These tests should only run against a server running an evaluation license.
verify_evaluation() {
    if i := $(govc license.ls -json | jq -r .[0].EditionKey) "eval"; then
        skip "requires evaluation license"
    fi
}

get_key() {
    jq ".[0] | select(.LicenseKey == "$1")"
}

get_property() {
    jq -r ".Properties[] | select(.Key == "$1") | .Value"
}

get_label() {
    govc license.ls -json | jq -r ".[].[] | select(.LicenseKey == "$1") | .Labels[] | select(.Key == "$2") | .Value"
}

get_nlabel() {
    govc license.ls -json | jq ".[].[] | select(.LicenseKey == "$1") | .Labels[].Key" | wc -l
}

@test "license.add" {
    ess_env

    verify_evaluation
run govc license.add -json 00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000
assert_success

# Expect to see an entry for both the first and the second key
assert_equal "License is not valid for this product" "$(get_key 00000-00000-00000-00000-00000 <<<${output} | get_property diagnostic)"
assert_equal "License is not valid for this product" "$(get_key 00000-00000-00000-00000-00000 <<<${output} | get_property diagnostic)"

@test "license.remove" {
esx_env

verify_evaluation

run govc license.remove -json 00000-00000-00000-00000-00000
assert_success
}

@test "license.ls" {
vcsim_env

verify_evaluation

run govc license.ls -json
assert_success

# Expect the test instance to run in evaluation mode
assert_equal "Evaluation Mode" "$(get_key 00000-00000-00000-00000 <<<output | jq ".Name")"
}

@test "license.decode" {
esx_env

verify_evaluation

key=00000-00000-00000-00000-00000
assert_equal "eval" $(govc license.decode $key | grep $key | awk '{print $2}')

@test "license.label.set" {
vcsim_env

key=00000-00000-00000-00000-00000

assert_equal 0 "$(get_nlabel $key)"
assert_equal "" "$(get_label $key foo)"
run govc license.label.set $key foo bar
assert_success

assert_equal 1 "$(get_nlabel $key)"
assert_equal bar "$(get_label $key foo)"

run govc license.label.set $key biz baz
assert_success
run govc license.label.set $key foo bar2
assert_success

assert_equal 2 "$(get_nlabel $key)"
assert_equal bar2 "$(get_label $key foo)"

run govc license.label.set $key foo ""
assert_success

assert_equal 1 "$(get_nlabel $key)"
assert_equal "" "$(get_label $key foo)"
}
*/

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*/

package license

import {
"context"
"flag"
"fmt"
"io"
"os"
"text/tabwriter"

"github.com/vmware/govmomi/gove/cli"
type assigned struct {
    *flags.ClientFlag
    *flags.OutputFlag

    id string
}

func init() {
    cli.Register("license.assigned.ls", &assigned{})
}

func (cmd *assigned) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)

    f.StringVar(&cmd.id, "id", "", "Entity ID")
}

func (cmd *assigned) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }

    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }

    return nil
}

func (cmd *assigned) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m, err := license.NewManager(client).AssignmentManager(ctx)
    if err != nil {
        return err
    }

    assigned, err := m.QueryAssigned(ctx, cmd.id)
    if err != nil {
        return err
    }

    return nil
}
if err != nil {
    return err
}

return cmd.WriteResult(assignedOutput(assigned))

}

type assignedOutput []types.LicenseAssignmentManagerLicenseAssignment

func (res assignedOutput) Write(w io.Writer) error {
    tw := tabwriter.NewWriter(os.Stdout, 4, 0, 2, ' ', 0)
    fmt.Fprintf(tw, "Id:	Scope:	Name:	License:
")
    for _, v := range res {
        fmt.Fprintf(tw, "%s	", v.EntityId)
        fmt.Fprintf(tw, "%s	", v.Scope)
        fmt.Fprintf(tw, "%s	", v.EntityDisplayName)
        fmt.Fprintf(tw, "%s	", v.AssignedLicense.LicenseKey)
        fmt.Fprintf(tw, "\n")
    }
    return tw.Flush()
}

1.323 websocket-common 9.4.8.v20171121

1.324 libsodium 1.0.16

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1.328 cpp 6.4.0-r9

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DRuntime: Runtime Library for the D Programming Language

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<one line to give the program's name and a brief idea of what it does.>
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Version 3, 29 June 2007

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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The "Compilation Process" transforms code entirely represented in non-intermediate languages designed for human-written code, and/or in Java Virtual Machine byte code, into Target Code. Thus, for example, use of source code generators and preprocessors need not be considered part of the Compilation Process, since the Compilation Process can be understood as starting with the output of the generators or preprocessors.

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

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

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

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

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

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/* setjmp is implemented in setjmp.S */

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1.342 jackson 2.10.0
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1.343 apache-karaf-package-core 4.2.2

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1.344 hawtjni-runtime 1.9

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1.345 libxmu 1.1.2-2
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--- libxmu-1.1.2.orig/autogen.sh
+++ libxmu-1.1.2/autogen.sh
@@ -0,0 +1,14 @@
+#!/bin/sh
+
+srcdir=`dirname $0`
+test -z "$srcdir" && srcdir=. 
+
+ORIGDIR=`pwd`
+cd $srcdir
+
+autoreconf -v --install || exit 1
+cd $ORIGDIR || exit $?
+
+if test -z "$NOCONFIGURE"; then 
+ $srcdir/configure "$@"
+fi
--- libxmu-1.1.2.orig/debian/changelog
+++ libxmu-1.1.2/debian/changelog
@@ -0,0 +1,219 @@
+libxmu (2:1.1.2-2) unstable; urgency=medium
+  
+  [ Andreas Boll ]
+  * Switch to dh with the autoreconf and quilt addons, fixing possible FTBFS
+  when building in parallel (closes: #801059). Thanks, Matthias Klose!
+
+  [ Julien Cristau ]
+  * Remove Cyril from Uploaders.
+  * Bump Standards-Version to 3.9.6, update Vcs-* control fields.
+
+  -- Julien Cristau <jcristau@debian.org>  Sat, 14 Nov 2015 10:04:44 +0100
+
+libxmu (2:1.1.2-1) unstable; urgency=medium
+  
+  [ Julien Cristau ]
+  * Bump debhelper compat level from 5 to 7.
+
+  -- Julien Cristau <jcristau@debian.org>  Mon, 05 May 2014 14:13:01 +0200
+
libxmu (2:1.1.1-1) unstable; urgency=low

* New upstream release.
* Don't require (fake)root for debian/rules clean.
* Bump build-deps on xutils-dev, xmlto and xorg-sgml-doctools per configure.ac.
* Xmu.html no longer hardcodes the full path to xlogo.svg, drop sed call from debian/rules.
* Remove David Nusinow from Uploader.
* Bump debhelper build-dep for ${misc:Pre-Depends} usage.

-- Julien Cristau <jcristau@debian.org>  Sat, 21 Apr 2012 10:50:11 +0200

libxmu (2:1.1.0-3) unstable; urgency=low

* Build for multiaarch.

-- Steve Langasek <vorlon@debian.org>  Fri, 21 Oct 2011 14:47:59 -0700

libxmu (2:1.1.0-2) unstable; urgency=low

 [ Christopher James Halse Rogers ]
* debian/patches/01_dont_export_private_deps.patch:
  - The Xmu.h header uses libXt symbols in a #define, so libXt is not a private dep. With binutils-gold, the indirect dependency on Xt is not considered when linking with Xmu so this causes build failures.

 [ Julien Cristau ]
* Drop Pre-Depends on x11-common, only needed for upgrades from the monolith.

-- Julien Cristau <jcristau@debian.org>  Thu, 28 Apr 2011 14:10:11 +0200

libxmu (2:1.1.0-1) unstable; urgency=low

* New upstream release.
* Bump xutils-dev build-dep for new macros.
* Add xmlto, xorg-sgml-doctools, and w3m build-dep for the doc.
* Pass --with-xmto and --without-fop (we want html and txt only).
* Pass --docdir=/usr/share/doc/libxmu-headers and add this directory to libxmu-headers.install file.
* Remove the hardcoded path to the X logo in the Xmu.html file.
* Kill *.xml in the doc directory, no point in shipping them.
* Switch from --list-missing to --fail-missing for additional safety.

-- Cyril Brulebois <kibi@debian.org>  Fri, 19 Nov 2010 08:42:29 +0100

libxmu (2:1.0.5-2) unstable; urgency=high
[Julien Cristau]
* Rename the build directory to not include DEB_BUILD_GNU_TYPE for no good reason. Thanks, Colin Watson!
* Don't pass both -s and -Nfoo/-pfoo to dh_strip. This resulted in an empty libxmuu1-dbg (Closes: #594500). Thanks to Luca Falavigna for the report.

[Cyril Brulebois]
* Add myself to Uploaders.
* Bump urgency to high for the RC bugfix. Thanks to Jakub Wilk as well for the report.
* -- Cyril Brulebois <kibi@debian.org> Sat, 04 Sep 2010 14:32:30 +0200
+libxmu (2:1.0.5-1) unstable; urgency=low
+
[Timo Aaltonen]
* New upstream release.
+ Fix 64bit support (closes: #521887)
+
[Julien Cristau]
* Bump Standards-Version to 3.8.3.
+
-- Julien Cristau <jcristau@debian.org> Wed, 25 Nov 2009 19:20:17 +0100
+libxmu (2:1.0.4-2) unstable; urgency=low
+
[Julien Cristau]
* Drop -1 debian revisions from build-deps.
* libxmu6{,-dbg}, libxmu-dev, libxmuu1{,-dbg} and libxmuu-dev don't need a dependency on x11-common.
* Build libxmu-headers in binary-indep instead of binary-arch (closes: #486418). Thanks, Martin Koepe!
* Run autoreconf on build; build-depend on automake, libtool, xutils-dev.
* Handle parallel builds.
+
[Brice Goglin]
* Add a link to www.X.org and a reference to the upstream module in the long description.
* Add upstream URL to debian/copyright.
* Add README.source, bump Standards-Version to 3.8.2.
* Use updated xsfbs, closes: #538587.
* Move -dbg packages to section debug.
+
-- Julien Cristau <jcristau@debian.org> Fri, 07 Aug 2009 14:30:36 +0200
+libxmu (2:1.0.4-1) unstable; urgency=low
Open Source Used in Crosswork Optimization Engine 1.2.1 3000

+ [ Julien Cristau ]
+ * New upstream release.
+ * Make libxmu*-dev depend on libxmu-headers (= ${source:Version}). Thanks, Josh Triplett.
+ * Don't export private dependencies in xmu.pc and xmuu.pc. These dependencies are handled by Requires:private.
+ * Due to the above, build-depend on quilt and apply the xsfbs patch rules.
+ * Update xsfbs to the latest version as of 2008-01-06.
+ * Add myself to Up uploaders, and remove Branden and Fabio with their permission.
+ * Bump Standards-Version to 3.7.3 (no changes).
+ * s/^XS-Vcs/Vcs/

+ [ Timo Aaltonen ]
+ * Bump the epoch so that this can be synced to Ubuntu in the future.

+ -- Julien Cristau <jcristau@debian.org> Thu, 17 Jan 2008 14:57:47 +0100

+ libxmu (1:1.0.3-1) unstable; urgency=low
+ * New upstream release.
+ * Install the upstream changelog.
+ * Remove outdated CVS information from the package descriptions, and add XS-Vcs-Git and XS-Vcs-Browser.
+ * Fix package sections (libraries in libs, development stuff in libdevel).
+ * Use ${binary:Version} instead of ${Source-Version}.

+ -- Julien Cristau <jcristau@debian.org> Thu, 12 Apr 2007 13:40:07 +0200

+ libxmu (1:1.0.2-2) unstable; urgency=low
+ * Test for obj-S$(DEB_BUILD_GNU_TYPE) before creating it during build; idempotency fix.
+ [ Andres Salomon ]

+ * dbg package has priority extra.
+ [ Drew Parsons ]

+ -- David Nusinow <dnusinow@debian.org> Wed, 30 Aug 2006 16:53:25 -0400

+ libxmu (1:1.0.2-1) experimental; urgency=low
+ * New upstream release
+ * Bump debhelper compat to 5
+ * Run dh_install with --list-missing
+ * Version the -headers package's x11-common pre-dep to use version 1:7.0.0
+ to match the rest of Debian and shut lintian up
+libxmu (1:6.2.3-1) breezy; urgency=low
+
+  * First libxmu release.
+
+ -- Daniel Stone <daniel.stone@ubuntu.com>  Mon, 16 May 2005 22:10:17 +1000
--- libxmu-1.1.2.orig/debian/compat
+++ libxmu-1.1.2/debian/compat
@@ -0,0 +1 @@
+9
--- libxmu-1.1.2.orig/debian/control
+++ libxmu-1.1.2/debian/control
@@ -0,0 +1,155 @@
+Source: libxmu
+Section: x11
+Priority: optional
+Maintainer: Debian X Strike Force <debian-x@lists.debian.org>
+Build-Depends:
+  debhelper (>= 9),
+  dh-autoreconf,
+  libx11-dev (>= 1:0.99.2),
+  libxt-dev (>= 1:0.99.1),
+  libxext-dev (>= 1:0.99.1),
+  pkg-config,
+  quilt,
+  automake,
+  libtool,
+  xutils-dev (>= 1:7.6+2),
+# devel-docs:
+  xmlto (>= 0.0.22),
+  xorg-sgml-doctools (>= 1:1.8),
+  w3m,
+Standards-Version: 3.9.6
+Vcs-Git: git://anonscm.debian.org/git/pkg-xorg/lib/libxmu
+Vcs-Browser: https://anonscm.debian.org/cgit/pkg-xorg/lib/libxmu.git
+
+Package: libxmu6
+Section: libs
+Architecture: any
+Multi-Arch: same
+Pre-Depends: ${misc:Pre-Depends}
+Depends: ${shlibs:Depends}, ${misc:Depends}
+Description: X11 miscellaneous utility library
+  libXmu provides a set of miscellaneous utility convenience functions for X
+  libraries to use. libXmuu is a lighter-weight version that does not depend
+  on libXt or libXext; for more information, see libxmuu1.
+  .
+  More information about X.Org can be found at:
+  <URL:http://www.X.org>
Open Source Used In Crosswork Optimization Engine 1.2.1 3003

+ This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu
+
+Package: libxmu6-dbg
+Section: debug
+Architecture: any
+Multi-Arch: same
+Priority: extra
+Depends: ${shlibs:Depends}, ${misc:Depends}, libxmu6 (= ${binary:Version})
+Description: X11 miscellaneous utility library (debug package)
+ libXmu provides a set of miscellaneous utility convenience functions for X
+ libraries to use. libXmuu is a lighter-weight version that does not depend
+ on libXt or libXext; for more information, see libxmuu1.
+
+ This package contains the debug versions of the library found in libxmu6.
+ Non-developers likely have little use for this package.
+
+ More information about X.Org can be found at:
+ <URL:http://www.X.org>
+
+ This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu
+
+Package: libxmu-dev
+Section: libdevel
+Architecture: any
+Multi-Arch: same
+Depends: ${shlibs:Depends}, ${misc:Depends}, libxext-dev, libxt-dev, libxmu6 (= ${binary:Version}), libxmuu-
+headers (= ${source:Version})
+Description: X11 miscellaneous utility library (development headers)
+ libXmu provides a set of miscellaneous utility convenience functions for X
+ libraries to use. libXmuu is a lighter-weight version that does not depend
+ on libXt or libXext; for more information, see libxmuu1.
+
+ This package contains the development headers for the library found in
+ libxmu6. Non-developers likely have little use for this package.
+
+ More information about X.Org can be found at:
+ <URL:http://www.X.org>
+
+ This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu
+
+Package: libxmuu1
+Section: libs
+Architecture: any
+Multi-Arch: same
+Pre-Depends: ${misc:Pre-Depends}
+Depends: ${shlibs:Depends}, ${misc:Depends}
+Description: X11 miscellaneous micro-utility library
+ libXmuu provides a set of miscellaneous utility convenience functions for X
+ libraries to use. It is a lighter version of libXmu that does not depend
+ on libXt or libXext; for more information on libXmu, see libxmu6.
+ .
+ More information about X.Org can be found at:
+ <URL:http://www.X.org>
+ .
+ This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu
+
+ Package: libxmuu1-dbg
+ Section: debug
+ Architecture: any
+ Multi-Arch: same
+ Priority: extra
+Depends: ${shlibs:Depends}, ${misc:Depends}, libxmuu1 (= ${binary:Version})
+Description: X11 miscellaneous micro-utility library (debug package)
+ libXmuu provides a set of miscellaneous utility convenience functions for X
+ libraries to use. It is a lighter version of libXmu that does not depend
+ on libXt or libXext; for more information on libXmu, see libxmu6.
+ .
+ This package contains the debug versions of the library found in libxmuu1.
+ Non-developers likely have little use for this package.
+ .
+ More information about X.Org can be found at:
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+ .
+ This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu
+
+ Package: libxmuu-dev
+ Section: libdevel
+ Architecture: any
+ Multi-Arch: same
+Depends: ${shlibs:Depends}, ${misc:Depends}, libxmuu1 (= ${binary:Version}), libxmu-headers (= ${source:Version})
+Description: X11 miscellaneous micro-utility library (development headers)
+ libXmuu provides a set of miscellaneous utility convenience functions for X
+ libraries to use. It is a lighter version of libXmu that does not depend
+ on libXt or libXext; for more information on libXmu, see libxmu6.
+ .
+ This package contains the development headers for the library found in
+ libxmuu1. Non-developers likely have little use for this package.
+ .
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--- libxmu-1.1.2.orig/debian/libxmu-dev.install
+++ libxmu-1.1.2/debian/libxmu-dev.install
@@ -0,0 +1,3 @@
+usr/lib/*/libXmu.a
+usr/lib/*/libXmu.so
+usr/lib/*/pkgconfig/xmu.pc
--- libxmu-1.1.2.orig/debian/libxmu-headers.install
+++ libxmu-1.1.2/debian/libxmu-headers.install
@@ -0,0 +1,2 @@
+usr/include/X11/*
+usr/share/doc/libxmu-headers
--- libxmu-1.1.2.orig/debian/libxmu6.install
+++ libxmu-1.1.2/debian/libxmu6.install
@@ -0,0 +1 @@
+usr/lib/*/libXmu.so.6*
--- libxmu-1.1.2.orig/debian/libxmuu-dev.install
+++ libxmu-1.1.2/debian/libxmuu-dev.install
@@ -0,0 +1,3 @@
+usr/lib/*/libXmuu.a
+usr/lib/*/libXmuu.so
+usr/lib/*/pkgconfig/xmuu.pc
--- libxmu-1.1.2.orig/debian/libxmuu1.install
+++ libxmu-1.1.2/debian/libxmuu1.install
@@ -0,0 +1 @@
+usr/lib/*/libXmuu.so.1*
--- libxmu-1.1.2.orig/debian/patches/01_dont_export_private_deps.diff
+++ libxmu-1.1.2/debian/patches/01_dont_export_private_deps.diff
@@ -0,0 +1,26 @@
+diff --git a/xmu.pc.in b/xmu.pc.in
+index a086f83..15dabbf 100644
++--- a/xmu.pc.in
++++ b/xmu.pc.in
+@@ -6,7 +6,7 @@
+ Name: Xmu
+ Description: Xmu Library
+ Version: @PACKAGE_VERSION@
+ Requires: xproto x11 xt
++ Requires: xproto xt
+ Requires.private: x11 xt xext
diff --git a/xmuu.pc.in b/xmuu.pc.in
index 1e91ac4..72fa5f9 100644
--- a/xmuu.pc.in
+++ b/xmuu.pc.in
@@ -6,7 +6,7 @@ includedir=@includedir@
    Name: Xmuu
    Description: Mini Xmu Library
    Version: @PACKAGE_VERSION@
+-Requires: xproto x11
++Requires: xproto
    Requires.private: x11
    Cflags: -I${includedir}
    Libs: -L${libdir} -lXmuu
--- libxmu-1.1.2.orig/debian/patches/series
+++ libxmu-1.1.2/debian/patches/series
@@ -0,0 +1 @@
+01_dont_export_private_deps.diff
--- libxmu-1.1.2.orig/debian/rules
+++ libxmu-1.1.2/debian/rules
@@ -0,0 +1,34 @@
#!/usr/bin/make -f
# debian/rules for the Debian libxmu package.
## Copyright  2004 Scott James Remnant <scott@netsplit.com>
## Copyright  2005 Daniel Stone <daniel@fooishbar.org>
## Copyright  2005 David Nusinow <dnusinow@debian.org>
+
## Uncomment this to turn on verbose mode.
##export DH_VERBOSE=1
+
+.PHONY: build
+build:
+dh build --with quilt,autoreconf --builddirectory=build/ --parallel
+
+%
+dh $@ --with quilt,autoreconf --builddirectory=build/ --parallel
+
+override_dh_auto_configure:
+dh_auto_configure -- \
+-disable-silent-rules \
+-docdir=${prefix}/share/doc/libxmu-headers \
+-with-xmlto \
+-without-fop
+
+override_dh_auto_install:
+dh_auto_install
+find debian/tmp/usr/share/doc/libxmu-headers -name '*.xml' -delete
1.346 shiro-event 1.4.1

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1.347 jersey-server 1.19.3

1.348 jersey-media-json-jackson 2.27
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* Project home: https://jersey.github.io

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1.358 zlib 1.2.11.dfsg 1

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1.359 annotations 2.0.1

1.360 lang-tag 1.4.3

1.361 apache-karaf-bundle-blueprintstate 4.2.2

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* /opt/ws_local/PERMITS_SQL/1013582530_1591384104.88/0/snappy-java-1-1-7-2-sources-jar/org/xerial/snappy/SnappyInputStream.java
* /opt/ws_local/PERMITS_SQL/1013582530_1591384104.88/0/snappy-java-1-1-7-2-sources-jar/org/xerial/snappy/SnappyCodec.java
* /opt/ws_local/PERMITS_SQL/1013582530_1591384104.88/0/snappy-java-1-1-7-2-sources-jar/org/xerial/snappy/SnappyLoader.java
* /opt/ws_local/PERMITS_SQL/1013582530_1591384104.88/0/snappy-java-1-1-7-2-sources-jar/org/xerial/snappy/SnappyBundleActivator.java
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* /opt/ws_local/PERMITS_SQL/1013582530_1591384104.88/0/snappy-java-1-1-7-2-sources-jar/org/xerial/snappy/BitShuffle.java
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* /opt/ws_local/PERMITS_SQL/1013582530_1591384104.88/0/snappy-java-1-1-7-2-sources-jar/org/xerial/snappy/OSInfo.java

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* /opt/ws_local/PERMITS_SQL/1013582530_1591384104.88/0/snappy-java-1-1-7-2-sources-jar/org/xerial/snappy/PureJavaCrc32C.java
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------------------------------------------------------------------------

Patch for Ubuntu bug #399071

Display the contents of /etc/legal as part of the MOTD, the first time the user logs in, and set a flag in the user's homedir if possible to prevent repeat displays.

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

Index: pam.ubuntu/modules/pam_motd/pam_motd.c

--- pam.ubuntu.orig/modules/pam_motd/pam_motd.c
+++ pam.ubuntu/modules/pam_motd/pam_motd.c
@@ -73,6 +73,61 @@
close(fd);
}

+int display_legal(pam_handle_t *pamh)
+{
+    int retval = PAM_IGNORE, rc;
+    char *user = NULL;
+    char *dir = NULL;
+    char *flag = NULL;
+    struct passwd *pwd = NULL;
+    struct stat s;
+    int f;
+    /* Get the user name to determine if we need to print the disclaimer */
+    rc = pam_get_item(pamh, PAM_USER, &user);
+    if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')
+    {
+        PAM_MODUTIL_DEF_PRIVS(privs);
+        /* Get the password entry */
+        pwd = pam_modutil_getpwnam (pamh, user);
+        
+        /* Set a flag in the homedir */
+        
+        /* Display the contents of /etc/legal */
+        
+    
+    
+    
+    }
+ if (pwd != NULL)
+ {  
+   if (pam_modutil_drop_priv(pamh, &privs, pwd)) {
+     pam_syslog(pamh, LOG_ERR,  
+        "Unable to change UID to %d temporarily\n", 
+        pwd->pw_uid);
+     retval = PAM_SESSION_ERR;
+     goto finished;
+   }
+   
+   if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
+     goto finished;
+   if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
+     goto finished;
+   
+   if (stat(flag, &s) != 0)
+   {  
+     display_file(pamh, "/etc/legal");
+     mkdir(dir, 0700);
+     f = open(flag, O_WRONLY|O_CREAT|O_EXCL, 
+       S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
+     if (f>=0) close(f);
+   }
+   
+   finished:
+   if (pam_modutil_regain_priv(pamh, &privs)) {
+     pam_syslog(pamh, LOG_ERR,  
+        "Unable to change UID back to %d\n", privs.old_uid);
+     retval = PAM_SESSION_ERR;
+   }
+   
+   _pam_drop(flag);
+   _pam Drops(dir);
+   }
+ return retval;
+}

PAM_EXTERN
int pam_sm_open_session(pam_handle_t *pamh, int flags,
int argc, const char **argv)
@ @ -116,6 +171,9 @@
   /* Display the updated motd */
   display_file(pamh, motd_path);
+   /* Display the legal disclaimer only if necessary */
+   retval = display_legal(pamh);
+   

return retval;
}

This package was debianized by J.H.M. Dassen (Ray) jdassen@debian.org on

It was downloaded from ftp://ftp.kernel.org/pub/linux/libs/pam/pre/

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1.367 qdox 1.12

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1.379 pax-transx-jdbc 0.4.0

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1.389 python 3.6.4
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.. _history-and-license:

*******************
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History of the software
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl/) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us/) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation; see http://www.zope.com/). In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see https://opensource.org/ for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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

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A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
or init_by_array(init_key, key_length).

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Sockets
-------

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with Python standard

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

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Select kqueue
-------------

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SipHash24
---------

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Original location:
https://github.com/majek/csiphash/

Solution inspired by code from:
  Samuel Neves (supercop/crypto_auth/siphash24/little)
  djb (supercop/crypto_auth/siphash24/little2)
  Jean-Philippe Aumasson (https://131002.net/siphash/siphash24.c)

strtod and dtoa
--------------

The file :file:`Python/dtoa.c`, which supplies C functions dtoa and
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libffi

---

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zlib
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cfuhash
-------

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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1.390 pax-cdi-jetty-weld 1.0.0

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1.391 zstd-proxy 3.5.12

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1.393 python-meld3 1.0.2-2

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- tests/iojs/test-http-parser-durability.js


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  URL: https://github.com/dominictarr/rc.git
  VendorName: Dominic Tarr
  VendorUrl: dominictarr.com
(GPL-2.0 OR MIT)
ua-parser-js@0.7.18
  URL: https://github.com/faisalman/ua-parser-js.git
  VendorName: Faisal Salman
  VendorUrl: http://github.com/faisalman/ua-parser-js
(MIT or Apache-2.0)
dom-storage@2.1.0
  URL: git://git.coolaj86.com/coolaj86/dom-storage.js.git
  VendorName: AJ ONeal
  VendorUrl: https://git.coolaj86.com/coolaj86/dom-storage.js
Apache-2.0
  @firebase/app-types@0.2.0
    URL: https://github.com/firebase/firebase-js-sdk/tree/master/packages/app-types
    VendorName: Firebase
    VendorUrl: https://firebase.google.com/
    @firebase/app@0.2.0
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URL: https://github.com/firebase/firebase-js-sdk/tree/master/packages/polyfill
VendorName: Firebase
VendorUrl: https://firebase.google.com/

@firebase/storage-types@0.1.3
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@firebase/webchannel-wrapper@0.2.8
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VendorName: Firebase
VendorUrl: https://firebase.google.com/

ascli@1.0.1
URL: https://github.com/dcodeIO/ascli.git
VendorName: Daniel Wirtz

aws-sign2@0.7.0
URL: https://github.com/mikeal/aws-sign
VendorName: Mikeal Rogers
VendorUrl: http://www.futurealoof.com

bytebuffer@5.0.1
URL: https://github.com/dcodeIO/bytebuffer.js.git
VendorName: Daniel Wirtz

caseless@0.12.0
URL: https://github.com/mikeal/caseless
VendorName: Mikeal Rogers

detect-libc@1.0.3
URL: git://github.com/lovell/detect-libc
VendorName: Lovell Fuller

disposables@1.0.2
URL: https://github.com/gaearon/disposables.git
VendorName: Cloud Programmability Team
VendorUrl: https://github.com/gaearon/disposables

firebase@4.13.1
URL: https://github.com/firebase/firebase-js-sdk.git
VendorName: Firebase
VendorUrl: https://firebase.google.com/

forever-agent@0.6.1
URL: https://github.com/mikeal/forever-agent
VendorName: Mikeal Rogers
VendorUrl: http://www.futurealoof.com

gRPC@1.10.1
URL: git://github.com/hapijs/boom
cryptiles@3.1.2
URL: git://github.com/hapijs/cryptiles
dnd-core@2.6.0
URL: https://github.com/react-dnd/react-dnd.git
hawk@6.0.2
URL: git://github.com/hueniverse/hawk
VendorName: Eran Hammer
VendorUrl: http://hueniverse.com
hoek@4.2.1
URL: git://github.com/hapijs/hoek
hoist-non-react-statics@2.5.5
URL: git://github.com/mridgway/hoist-non-react-statics.git
VendorName: Michael Ridgway
ieee754@1.1.12
URL: git://github.com/feross/ieee754.git
VendorName: Feross Aboukhadijeh
VendorUrl: http://feross.org
node-pre-gyp@0.7.0
URL: git://github.com/mapbox/node-pre-gyp.git
VendorName: Dane Springmeyer
qs@6.5.2
URL: https://github.com/ljharb/qs.git
VendorUrl: https://github.com/ljharb/qs
react-dnd-html5-backend@2.6.0
URL: https://github.com/react-dnd/react-dnd.git
react-dnd@2.6.0
URL: https://github.com/react-dnd/react-dnd.git
sntp@2.1.0
URL: git://github.com/hueniverse/sntp
VendorName: Eran Hammer
VendorUrl: http://hueniverse.com
tough-cookie@2.3.4
URL: git://github.com/salesforce/tough-cookie.git
VendorName: Jeremy Stashewsky
VendorUrl: https://github.com/salesforce/tough-cookie
BSD*
json-schema@0.2.3
URL: http://github.com/kriszyp/json-schema
VendorName: Kris Zyp
GPL-3.0
cypher-codemirror@1.1.0
URL: git://github.com/neo4j-contrib/cypher-editor.git
VendorName: Neo Technology Inc.
cypher-editor-support@1.1.0
URL: git://github.com/neo4j-contrib/cypher-editor.git
VendorName: Neo Technology Inc.
ISC
abbrev@1.1.1  
URL: http://github.com/isaacs/abbrev-js  
VendorName: Isaac Z. Schlueter

aproba@1.2.0  
URL: https://github.com/iarna/aproba  
VendorName: Rebecca Turner  
VendorUrl: https://github.com/iarna/aproba

are-we-there-yet@1.1.5  
URL: https://github.com/iarna/are-we-there-yet.git  
VendorName: Rebecca Turner  
VendorUrl: https://github.com/iarna/are-we-there-yet

block-stream@0.0.9  
URL: git://github.com/isaacs/block-stream.git  
VendorName: Isaac Z. Schlueter  
VendorUrl: http://blog.izs.me/

cliui@3.2.0  
URL: http://github.com/yargs/cliui.git  
VendorName: Ben Coe

css-color-keywords@1.0.0  
URL: https://github.com/sonicdoe/css-color-keywords.git  
VendorName: Jakob Krigovsky

fs.realpath@1.0.0  
URL: git+https://github.com/isaacs/fs.realpath.git  
VendorName: Isaac Z. Schlueter  
VendorUrl: http://blog.izs.me/

fstream-ignore@1.0.5  
URL: git://github.com/isaacs/fstream-ignore.git  
VendorName: Isaac Z. Schlueter  
VendorUrl: http://blog.izs.me/

fstream@1.0.11  
URL: https://github.com/npm/fstream.git  
VendorName: Isaac Z. Schlueter  
VendorUrl: http://blog.izs.me/

gauge@2.7.4  
URL: https://github.com/iarna/gauge  
VendorName: Rebecca Turner  
VendorUrl: https://github.com/iarna/gauge

glob@7.1.2  
URL: git://github.com/isaacs/node-glob.git  
VendorName: Isaac Z. Schlueter  
VendorUrl: http://blog.izs.me/

graceful-fs@4.1.11  
URL: https://github.com/isaacs/node-graceful-fs

har-schema@2.0.0
VendorUrl: http://blog.izs.me/
semver@5.5.0
URL: https://github.com/npm/node-semver
set-blocking@2.0.0
URL: git+https://github.com/yargs/set-blocking.git
VendorName: Ben Coe
VendorUrl: https://github.com/yargs/set-blocking#readme
signal-exit@3.0.2
URL: https://github.com/tapjs/signal-exit.git
VendorName: Ben Coe
VendorUrl: https://github.com/tapjs/signal-exit
tar@2.2.1
URL: git://github.com/isaacs/node-tar.git
VendorName: Isaac Z. Schlueter
VendorUrl: http://blog.izs.me/
uid-number@0.0.6
URL: git://github.com/isaacs/uid-number.git
VendorName: Isaac Z. Schlueter
VendorUrl: http://blog.izs.me/
wide-align@1.1.3
URL: https://github.com/iarna/wide-align
VendorName: Rebecca Turner
VendorUrl: http://rebecca.org/
wrappy@1.0.2
URL: https://github.com/npm/wrappy
VendorName: Isaac Z. Schlueter
VendorUrl: https://github.com/npm/wrappy
y18n@3.2.1
URL: git@github.com:yargs/y18n.git
VendorName: Ben Coe
VendorUrl: https://github.com/yargs/y18n

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ajv@5.5.2
URL: https://github.com/epoberezkin/ajv.git
VendorName: Evgeny Poberezkin
VendorUrl: https://github.com/epoberezkin/ajv
ansi-regexp@2.1.1
URL: https://github.com/chalk/ansi-regex.git
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com
ansi-regexp@3.0.0
URL: https://github.com/chalk/ansi-regex.git
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com
asap@2.0.6
URL: https://github.com/kriskowal/asap.git
ascii-data-table@2.1.1
URL: https://github.com/oskarhane/ascii-data-table.git
VendorName: Oskar Hane
VendorUrl: http://oskarhane.com/
asn1@0.2.3
URL: git://github.com/mcavage/node-asn1.git
VendorName: Mark Cavage
assert-plus@1.0.0
URL: https://github.com/mcavage/node-assert-plus.git
VendorName: Mark Cavage
assertion-error@1.1.0
URL: git@github.com:chaijs/assertion-error.git
VendorName: Jake Luer
VendorUrl: http://qualiancy.com
asynckit@0.4.0
URL: git+https://github.com/alexindigo/asynckit.git
VendorName: Alex Indigo
VendorUrl: https://github.com/alexindigo/asynckit#readme
attr-accept@1.1.3
URL: https://github.com/okonet/attr-accept.git
VendorName: Andrey Okonetchnikov @okonetchnikov
VendorUrl: https://github.com/okonet/attr-accept#readme
aws4@1.7.0
URL: https://github.com/mhart/aws4.git
VendorName: Michael Hart
VendorUrl: http://github.com/mhart
babel-runtime@6.26.0
URL: https://github.com/babel/babel/tree/master/packages/babel-runtime
VendorName: Sebastian McKenzie
balanced-match@1.0.0
URL: git://github.com/juliangruber/balanced-match.git
VendorName: Julian Gruber
VendorUrl: https://github.com/juliangruber/balanced-match
base64-js@1.3.0
URL: git://github.com/beatgammit/base64-js.git
VendorName: T. Jameson Little
VendorUrl: https://github.com/beatgammit/base64-js
brace-expansion@1.1.11
URL: git://github.com/juliangruber/brace-expansion.git
VendorName: Julian Gruber
VendorUrl: https://github.com/juliangruber/brace-expansion
buffer@5.1.0
URL: git://github.com/feross/buffer.git
VendorName: Feross Aboukhadieh
VendorUrl: https://github.com/feross/buffer
camelcase@2.1.1
URL: https://github.com/sindresorhus/camelcase.git
VendorName: Sindre Sorhus
VendorUrl: http://sindresorhus.com
chai@4.1.2
debug@2.6.9
URL: git://github.com/visionmedia/debug.git
VendorName: TJ Holowaychuk
decamelize@1.2.0
URL: https://github.com/sindresorhus/decamelize.git
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com
deep-eq@3.0.1
URL: git@github.com:chaijs/deep-eql.git
VendorName: Jake Luer
deep-extend@0.6.0
URL: git://github.com/unclechu/node-deep-extend.git
VendorName: Viacheslav Lotsmanov
VendorUrl: https://github.com/unclechu/node-deep-extend
delayed-stream@1.0.0
URL: git://github.com/felixge/node-delayed-stream.git
VendorName: Felix Geisendrfer
VendorUrl: https://github.com/felixge/node-delayed-stream
delegates@1.0.0
URL: https://github.com/visionmedia/node-delegates.git
ecc-jsbn@0.1.1
URL: https://github.com/quartzjer/ecc-jsbn.git
VendorName: Jeremie Miller
VendorUrl: https://github.com/quartzjer/ecc-jsbn
encoding@0.1.12
URL: https://github.com/andris9/encoding.git
VendorName: Andris Reinman
extend@3.0.1
URL: https://github.com/justmoon/node-extend.git
VendorName: Stefan Thomas
VendorUrl: http://www.justmoon.net
extsprintf@1.3.0
URL: git://github.com/davepacheco/node-extsprintf.git
extsprintf@1.4.0
URL: git://github.com/davepacheco/node-extsprintf.git
fast-deep-equal@1.1.0
URL: git+https://github.com/epoberezkin/fast-deep-equal.git
VendorName: Evgeny Poberezkin
VendorUrl: https://github.com/epoberezkin/fast-deep-equal#readme
fast-json-stable-stringify@2.0.0
URL: git://github.com/epoberezkin/fast-json-stable-­stringify.git
VendorName: James Halliday
VendorUrl: https://github.com/epoberezkin/fast-json-stable-stringify
faye-websocket@0.11.1
URL: git://github.com/faye/faye-websocket-node.git
VendorName: James Coglan
VendorUrl: https://github.com/faye/faye-websocket-node
fbjs@0.8.17
URL: https://github.com/facebook/fbjs.git
file-saver@1.3.8
URL: git+https://github.com/eligrey/FileSaver.js.git
VendorName: Eli Grey
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form-data@2.3.2
URL: https://github.com/form-data/form-data.git
VendorName: Felix Geisendrfer
VendorUrl: http://debuggable.com/
fuzzaldrin@2.1.0
URL: https://atom/fuzzaldrin.git
VendorUrl: http://atom.github.io/fuzzaldrin
get-func-name@2.0.0
URL: git+ssh://github.com/chaijs/get-func-name.git
VendorName: Jake Luer
VendorUrl: http://alogicalparadox.com
getpass@0.1.7
URL: https://github.com/arekinath/node-getpass.git
VendorName: Alex Wilson
has-flag@1.0.0
URL: https://github.com/sindresorhus/has-flag.git
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com
http-parser-js@0.4.13
URL: https://github.com/creationix/http-parser-js.git
VendorName: Tim Caswell
VendorUrl: https://github.com/creationix
http-signature@1.2.0
URL: https://github.com/joyent/node-http-signature.git
VendorName: Joyent, Inc
VendorUrl: https://github.com/joyent/node-http-signature
iconv-lite@0.4.23
URL: https://github.com/ashtuchkin/iconv-lite.git
VendorName: Alexander Shtuchkin
VendorUrl: https://github.com/ashtuchkin/iconv-lite
invert-kv@1.0.0
URL: https://github.com/sindresorhus/invert-kv.git
VendorName: Sindre Sorhus
VendorUrl: http://sindresorhus.com
is-fullwidth-code-point@1.0.0
URL: https://github.com/sindresorhus/is-fullwidth-code-point.git
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com
is-fullwidth-code-point@2.0.0
URL: https://github.com/sindresorhus/is-fullwidth-code-point.git
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com
object-assign@4.1.1
URL: https://github.com/sindresorhus/object-assign.git
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com
optjs@3.2.2
URL: https://github.com/dcodeIO/opt.js.git
VendorName: Daniel Wirtz
os-homedir@1.0.2
URL: https://github.com/sindresorhus/os-homedir.git
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com
os-locale@1.4.0
URL: https://github.com/sindresorhus/os-locale.git
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com
os-tmpdir@1.0.2
URL: https://github.com/sindresorhus/os-tmpdir.git
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com
path-is-absolute@1.0.1
URL: https://github.com/sindresorhus/path-is-absolute.git
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com
pathval@1.1.0
URL: git+ssh://git@github.com/chaijs/pathval.git
VendorName: Veselin Todorov
VendorUrl: https://github.com/chaijs/pathval
performance-now@2.1.0
URL: git://github.com/braveg1rl/performance-now.git
VendorName: Braveg1rl
VendorUrl: https://github.com/braveg1rl/performance-now
postcss-value-parser@3.3.0
URL: https://github.com/TrySound/postcss-value-parser.git
VendorName: Bogdan Chadkin
VendorUrl: https://github.com/TrySound/postcss-value-parser
process-nextick-args@2.0.0
URL: https://github.com/calvinmetcalf/process-nextick-args.git
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promise-polyfill@7.1.2
URL: https://github.com/taylorhakes/promise-polyfill.git
VendorName: Taylor Hakes
VendorUrl: https://github.com/taylorhakes/promise-polyfill
promise@7.3.1
URL: https://github.com/then.promise.git
VendorName: ForbesLindesay
prop-types@15.6.1
VendorUrl: https://reactjs.org/
readable-stream@2.3.6
URL: git://github.com/nodejs/readable-stream
redux-observable@0.16.0
URL: git+https://github.com/redux-observable/redux-observable.git
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redux@3.7.2
URL: https://github.com/reactjs/redux.git
VendorUrl: http://redux.js.org/
regenerator-runtime@0.11.1
URL: https://github.com/facebook/regenerator/tree/master/packages/regenerator-runtime
VendorName: Ben Newman
requires-port@1.0.0
URL: https://github.com/unshiftio/requires-port
VendorName: Arnout Kazemier
VendorUrl: https://github.com/unshiftio/requires-port
safe-buffer@5.1.2
URL: git://github.com/feross/safe-buffer.git
VendorName: Feross Aboukhadijeh
VendorUrl: https://github.com/feross/safe-buffer
safer-buffer@2.1.2
URL: git+https://github.com/ChALkeR/safer-buffer.git
VendorName: Nikita Skovoroda
VendorUrl: https://github.com/ChALkeR
save-as@0.1.8
URL: git+https://github.com/cchamberlain/save-as.git
VendorName: Cole Chamberlain
VendorUrl: https://cchamberlain.github.io/save-as
setimmediate@1.0.5
URL: https://github.com/YuzuJS/setImmediate.git
VendorName: YuzuJS
sshpk@1.14.2
URL: git+https://github.com/arekinath/node-sshpk.git
VendorName: Joyent, Inc
VendorUrl: https://github.com/arekinath/node-sshpk#readme
string_decoder@1.1.1
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string-width@1.0.2
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VendorUrl: sindresorhus.com
string-width@2.1.1
URL: https://github.com/sindresorhus/string-width.git
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com
stringstream@0.0.6
URL: https://github.com/mhart/StringStream.git
VendorName: Michael Hart
VendorUrl: http://github.com/mhart
strip-ansi@3.0.1
  URL: https://github.com/chalk/strip-ansi.git
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com
strip-ansi@4.0.0
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VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com
strip-json-comments@2.0.1
  URL: https://github.com/sindresorhus/strip-json-comments.git
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com
styled-components@3.3.2
  URL: git+https://github.com/styled-components/styled-components.git
VendorName: Glen Maddern
VendorUrl: https://styled-components.com/
stylis-rule-sheet@0.0.10
  URL: https://github.com/thysultan/stylis.js
VendorName: Sultan Tarimo
VendorUrl: https://github.com/thysultan/stylis.js
stylis@3.5.1
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VendorName: Sultan Tarimo
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suber@5.0.1
  URL: https://github.com/oskarhane/suber.git
VendorName: Oskar Hane
VendorUrl: http://oskarhane.com/
supports-color@3.2.3
  URL: https://github.com/chalk/supports-color.git
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com
swipe-js-iso@2.0.4
  URL: git+https://github.com/voronianski/swipe-js-iso.git
VendorUrl: https://github.com/voronianski/swipe-js-iso#readme
symbol-observable@1.0.1
  URL: https://github.com/blesh/symbol-observable.git
VendorName: Ben Lesh
symbol-observable@1.2.0
  URL: https://github.com/blesh/symbol-observable.git
VendorName: Ben Lesh
type-detect@4.0.8
  URL: git+ssh://git@github.com/chaijs/type-detect.git
VendorName: Jake Luer
VendorUrl: http://alogicalparadox.com
url-parse@1.4.1
URL: https://github.com/unshiftio/url-parse.git
VendorName: Arnout Kazemier
util-deprecate@1.0.2
URL: git://github.com/TooTallNate/util-deprecate.git
VendorName: Nathan Rajlich
VendorUrl: https://github.com/TooTallNate/util-deprecate
uuid@3.2.1
URL: https://github.com/kelektiv/node-uuid.git
verror@1.10.0
URL: git://github.com/davepacheco/node-verror.git
websocket-driver@0.7.0
URL: git://github.com/faye/websocket-driver-node.git
VendorName: James Coglan
VendorUrl: https://github.com/faye/websocket-driver-node
websocket-extensions@0.1.3
URL: git://github.com/faye/websocket-extensions-node.git
VendorName: James Coglan
VendorUrl: http://github.com/faye/websocket-extensions-node
whatwg-fetch@2.0.4
URL: https://github.com/github/fetch.git
window-size@0.1.4
URL: https://github.com/jonschlinkert/window-size.git
VendorName: Jon Schlinkert
VendorUrl: https://github.com/jonschlinkert/window-size
wrap-ansi@2.1.0
URL: https://github.com/chalk/wrap-ansi.git
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com
xmlhttprequest@1.8.0
URL: git://github.com/driverdan/node-XMLHttpRequest.git
VendorName: Dan DeFelippi
VendorUrl: http://driverdan.com
yargs@3.32.0
URL: http://github.com/bcoe/yargs.git
VendorName: Alex Ford
VendorUrl: http://CodeTunnel.com
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tweetnacl@0.14.5
URL: https://github.com/dchest/tweetnacl-js.git
VendorName: TweetNaCl-js contributors
VendorUrl: https://tweetnacl.js.org/

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1.403 simpleclient-servlet 0.0.23

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1.408 jersey-server 2.6
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package org.glassfish.jersey.server.wadl.internal.generators;

import java.io.File;
import java.io.FileInputStream;
import java.io.InputStream;
import java.util.List;
import javax.ws.rs.core.Context;
import javax.ws.rs.core.MediaType;
import javax.inject.Provider;
import javax.xml.parsers.SAXParserFactory;
import org.glassfish.jersey.server.model.Parameter;
import org.glassfish.jersey.server.wadl.WadlGenerator;
import org.glassfish.jersey.server.wadl.internal.ApplicationDescription;
import org.glassfish.jersey.server.wadl.internal.WadlUtils;
import com.sun.research.ws.wadl.Application;
import com.sun.research.ws.wadl.Method;
import com.sun.research.ws.wadl.Param;
import com.sun.research.ws.wadl.Representation;
import com.sun.research.ws.wadl.Request;
import com.sun.research.ws.wadl.Resource;
import com.sun.research.ws.wadl.Resources;
import com.sun.research.ws.wadl.Response;

/**
 * This {@link org.glassfish.jersey.server.wadl.WadlGenerator} adds all doc elements provided by {@link ApplicationDocs#getDocs()}
 * to the generated wadl-file.
 * <p>
 * The { @link ApplicationDocs} content can either be provided via a { @link File} reference
 * ({ @link #setApplicationDocsFile(File)) or
 * via an { @link InputStream} ({{ @link #setApplicationDocsStream(InputStream))}.
 * </p>
 * <p>
 * The { @link File} should be used when using the maven-wadl-plugin for generating wadl offline,
 * the { @link InputStream} should be used when the extended wadl is generated by jersey at runtime, e.g.
 * using the { @link org.glassfish.jersey.server.wadl.config.WadlGeneratorConfig} for configuration.
 * </p>
 * <p>
 * Created on: Jun 16, 2008<br>
 * @author Martin Grotzke (martin.grotzke at freiheit.com)
 */

public class WadlGeneratorApplicationDoc implements WadlGenerator {

  private WadlGenerator _delegate;
  private File _applicationDocsFile;
  private InputStream _applicationDocsStream;
  private ApplicationDocs _applicationDocs;
  @Context
  private Provider<SAXParserFactory> saxFactoryProvider;

  public void setWadlGeneratorDelegate(WadlGenerator delegate) {
    _delegate = delegate;
  }

  public String getRequiredJaxbContextPath() {
    return _delegate.getRequiredJaxbContextPath();
  }

  public void setApplicationDocsFile(File applicationDocsFile) {
    if (_applicationDocsStream != null) {
      throw new IllegalStateException("The applicationDocsStream property is already set," +
                              " therefore you cannot set the applicationDocsFile property. Only one of both can be set at a time.");
    }
  }

  public void setApplicationDocsStream(InputStream applicationDocsStream) {
    if (_applicationDocsFile != null) {
      throw new IllegalStateException("The applicationDocsFile property is already set," +
                              " therefore you cannot set the applicationDocsStream property. Only one of both can be set at a time.");
    }
  }

  public void setApplicationDocs(ApplicationDocs applicationDocs) {
    _applicationDocs = applicationDocs;
  }

  public ApplicationDocs getApplicationDocs() {
    return _applicationDocs;
  }

  public void setApplicationDocsStream(InputStream applicationDocsStream) {
    _applicationDocsStream = applicationDocsStream;
  }

  public InputStream getApplicationDocsStream() {
    return _applicationDocsStream;
  }

  public void setApplicationDocsFile(File applicationDocsFile) {
    _applicationDocsFile = applicationDocsFile;
  }

  public File getApplicationDocsFile() {
    return _applicationDocsFile;
  }
}
_applicationDocsFile = applicationDocsFile;
}

public void setApplicationDocsStream(InputStream applicationDocsStream) {
    if (_applicationDocsFile != null) {
        throw new IllegalStateException("The applicationDocsFile property is already set, " +
                " therefore you cannot set the applicationDocsStream property. Only one of both can be set at a time.");
    }
    _applicationDocsStream = applicationDocsStream;
}

public void init() throws Exception {
    if (_applicationDocsFile == null && _applicationDocsStream == null) {
        throw new IllegalStateException("Neither the applicationDocsFile nor the applicationDocsStream" +
                " is set, one of both is required.");
    }
    _delegate.init();

    InputStream inputStream;
    if (_applicationDocsFile != null) {
        inputStream = new FileInputStream(_applicationDocsFile);
    } else {
        inputStream = _applicationDocsStream;
    }
    _applicationDocs = WadlUtils.unmarshall(inputStream, saxFactoryProvider.get(), ApplicationDocs.class);
}

/**
 * @return the application
 * @see org.glassfish.jersey.server.wadl.WadlGenerator#createApplication()
 */
public Application createApplication() {
    final Application result = _delegate.createApplication();
    if (_applicationDocs != null && _applicationDocs.getDocs() != null &&
            !_applicationDocs.getDocs().isEmpty()) {
        result.getDoc().addAll(_applicationDocs.getDocs());
    }
    return result;
}

/**
 * @param r
 * @param m
 * @return the method
 * @see org.glassfish.jersey.server.wadl.WadlGenerator#createMethod(org.glassfish.jersey.server.model.Resource,
 * org.glassfish.jersey.server.model.ResourceMethod)
/**
 * @param r
 * @param m
 * @param mediaType
 * @return representation type
 * @see org.glassfish.jersey.server.wadl.WadlGenerator#createRequestRepresentation(org.glassfish.jersey.server.model.Resource, org.glassfish.jersey.server.model.ResourceMethod, javax.ws.rs.core.MediaType)
 */
public Representation createRequestRepresentation(org.glassfish.jersey.server.model.Resource r, org.glassfish.jersey.server.model.ResourceMethod m, MediaType mediaType) {
    return _delegate.createRequestRepresentation(r, m, mediaType);
}

/**
 * @param r
 * @param m
 * @return request
 * @see org.glassfish.jersey.server.wadl.WadlGenerator#createRequest(org.glassfish.jersey.server.model.Resource, org.glassfish.jersey.server.model.ResourceMethod)
 */
public Request createRequest(org.glassfish.jersey.server.model.Resource r, org.glassfish.jersey.server.model.ResourceMethod m) {
    return _delegate.createRequest(r, m);
}

/**
 * @param r
 * @param m
 * @param p
 * @return parameter
 */
public Param createParam(org.glassfish.jersey.server.model.Resource r, org.glassfish.jersey.server.model.ResourceMethod m, Parameter p) {
    return _delegate.createParam(r, m, p);
/**
 * @param r
 * @param path
 * @return resource
 * @see org.glassfish.jersey.server.wadl.WadlGenerator#createResource(org.glassfish.jersey.server.model.Resource, String)
 */
public Resource createResource(org.glassfish.jersey.server.model.Resource r, String path) {
    return _delegate.createResource(r, path);
}

/**
 * @param r
 * @param m
 * @return response
 * @see org.glassfish.jersey.server.wadl.WadlGenerator#createResponses(org.glassfish.jersey.server.model.Resource,
 *                      org.glassfish.jersey.server.model.ResourceMethod)
 */
public List<Response> createResponses(org.glassfish.jersey.server.model.Resource r,
                                       org.glassfish.jersey.server.model.ResourceMethod m) {
    return _delegate.createResponses(r, m);
}

/**
 * @return resources
 * @see org.glassfish.jersey.server.wadl.WadlGenerator#createResources()
 */
public Resources createResources() {
    return _delegate.createResources();
}

// ================ methods for post build actions =======================

@Override
public ExternalGrammarDefinition createExternalGrammar() {
    return _delegate.createExternalGrammar();
}

@Override
public void attachTypes(ApplicationDescription egd) {
    _delegate.attachTypes(egd);
}

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*/
package org.glassfish.jersey.server.wadl.internal;

import java.util.ArrayList;
import java.util.List;
import javax.ws.rs.core.MediaType;
import javax.xml.namespace.QName;
import org.glassfish.jersey.server.model.Parameter;
import org.glassfish.jersey.server.model.ResourceMethod;
import org.glassfish.jersey.server.wadl.WadlGenerator;
import com.sun.research.ws.wadl.Application;
import com.sun.research.ws.wadl.Param;
import com.sun.research.ws.wadl.ParamStyle;
import com.sun.research.ws.wadl.Representation;
import com.sun.research.ws.wadl.Request;
import com.sun.research.ws.wadl.Resource;
import com.sun.research.ws.wadl.Resources;
import com.sun.research.ws.wadl.Response;

/**
 * This WadlGenerator creates the basic wadl artifacts.<br>
 * Created on: Jun 16, 2008<br>
 *
 * @author Martin Grotzke (martin.grotzke at freiheit.com)
 * @author Miroslav Fuksa (miroslav.fuksa at oracle.com)
 */
public class WadlGeneratorImpl implements WadlGenerator {

    @Override
    public String getRequiredJaxbContextPath() {
        final String name = Application.class.getName();
        return name.substring(0, name.lastIndexOf('.'));
    }

    @Override
    public void init() {
    }

    @Override
    public void setWadlGeneratorDelegate(WadlGenerator delegate) {
        throw new UnsupportedOperationException("No delegate supported.");
    }

    @Override
    public Resources createResources() {
        return new Resources();
    }

    @Override
    public Application createApplication() {
        return new Application();
    }

    @Override
}
public com.sun.research.ws.wadl.Method createMethod(
    org.glassfish.jersey.server.model.Resource r, final ResourceMethod m) {
    com.sun.research.ws.wadl.Method wadlMethod =
        new com.sun.research.ws.wadl.Method();
    wadlMethod.setName(m.getHttpMethod());
    wadlMethod.setId(m.getInvocable().getDefinitionMethod().getName());
    if (m.isExtended()) {
        wadlMethod.getAny().add(WadlApplicationContextImpl.extendedElement);
    }
    return wadlMethod;
}

@Override
public Representation createRequestRepresentation(org.glassfish.jersey.server.model.Resource r,
        ResourceMethod m, MediaType mediaType) {
    Representation wadlRepresentation = new Representation();
    wadlRepresentation.setMediaType(mediaType.toString());
    return wadlRepresentation;
}

@Override
public Request createRequest(org.glassfish.jersey.server.model.Resource r, ResourceMethod m) {
    return new Request();
}

@Override
public Param createParam(org.glassfish.jersey.server.model.Resource r, ResourceMethod m, final Parameter p) {
    if (p.getSource() == Parameter.Source.UNKNOWN)
        return null;
    Param wadlParam = new Param();
    wadlParam.setName(p.getSourceName());
    switch (p.getSource()) {
        case FORM:
            wadlParam.setStyle(ParamStyle.QUERY);
            break;
        case QUERY:
            wadlParam.setStyle(ParamStyle.QUERY);
            break;
        case MATRIX:
            wadlParam.setStyle(ParamStyle.MATRIX);
            break;
        case PATH:
            wadlParam.setStyle(ParamStyle.TEMPLATE);
            break;
        case HEADER:
wadlParam.setStyle(ParamStyle.HEADER);
break;
case COOKIE:
    // Generates name="Cookie" path="<name>"
    wadlParam.setStyle(ParamStyle.HEADER);
    wadlParam.setName("Cookie");
    wadlParam.setPath(p.getSourceName());
    break;
default:
    break;
}
if (p.hasDefaultValue())
    wadlParam.setDefault(p.getDefaultValue());
Class<?> pClass = p.getRawType();
if (pClass.isArray()) {
    wadlParam.setRepeating(true);
    pClass = pClass.getComponentType();
}
if (pClass.equals(int.class) || pClass.equals(Integer.class))
    wadlParam.setType(new QName("http://www.w3.org/2001/XMLSchema", "int", "xs");
else if (pClass.equals(boolean.class) || pClass.equals(Boolean.class))
    wadlParam.setType(new QName("http://www.w3.org/2001/XMLSchema", "boolean", "xs");
else if (pClass.equals(long.class) || pClass.equals(Long.class))
    wadlParam.setType(new QName("http://www.w3.org/2001/XMLSchema", "long", "xs");
else if (pClass.equals(short.class) || pClass.equals(Short.class))
    wadlParam.setType(new QName("http://www.w3.org/2001/XMLSchema", "short", "xs");
else if (pClass.equals(byte.class) || pClass.equals(Byte.class))
    wadlParam.setType(new QName("http://www.w3.org/2001/XMLSchema", "byte", "xs");
else if (pClass.equals(float.class) || pClass.equals(Float.class))
    wadlParam.setType(new QName("http://www.w3.org/2001/XMLSchema", "float", "xs");
else if (pClass.equals(double.class) || pClass.equals(Double.class))
    wadlParam.setType(new QName("http://www.w3.org/2001/XMLSchema", "double", "xs");
else
    wadlParam.setType(new QName("http://www.w3.org/2001/XMLSchema", "string", "xs");
return wadlParam;
}

@Override
public Resource createResource(org.glassfish.jersey.server.model.Resource resource, String path) {
    Resource wadlResource = new Resource();
    if (path != null) {
        wadlResource.setPath(path);
    } else if (resource.getPath() != null) {
        wadlResource.setPath(resource.getPath());
    }

    if (resource.isExtended()) {

    }

    return wadlResource;
}
public List<Response> createResponses(org.glassfish.jersey.server.model.Resource r, ResourceMethod m) {
    final Response response = new Response();

    for (MediaType mediaType : m.getProducedTypes()) {
        if (!MediaType.WILDCARD_TYPE.equals(mediaType)
            || !hasEmptyProducibleMediaTypeSet(m)) {
            Representation wadlRepresentation = createResponseRepresentation(r, m, mediaType);
            response.getRepresentation().add(wadlRepresentation);
        }
    }

    List<Response> responses = new ArrayList<Response>();
    responses.add(response);
    return responses;
}

private boolean hasEmptyProducibleMediaTypeSet(final ResourceMethod method) {
    return method.getProducedTypes().isEmpty();
}

public Representation createResponseRepresentation(org.glassfish.jersey.server.model.Resource r, ResourceMethod m,
        MediaType mediaType) {
    Representation wadlRepresentation = new Representation();
    wadlRepresentation.setMediaType(mediaType.toString());
    return wadlRepresentation;
}

// ================ methods for post build actions ==========================

@Override
public ExternalGrammarDefinition createExternalGrammar() {
    // Return an empty list to add to
    return new ExternalGrammarDefinition();
}

@Override
public void attachTypes(ApplicationDescription egd) {
}
package org.glassfish.jersey.server.wadl.internal;

import java.net.URI;
import java.security.AccessController;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.ws.rs.ProcessingException;
import javax.ws.rs.core.Configuration;
import javax.ws.rs.core.Context;
import javax.ws.rs.core.UriBuilder;
import javax.ws.rs.core.UriInfo;

import javax.xml.bind.JAXBContext;
import javax.xml.bind.JAXBElement;
import javax.xml.bind.JAXBException;
import javax.xml.namespace.QName;

import org.glassfish.jersey.internal.util.ReflectionHelper;
import org.glassfish.jersey.server.ExtendedResourceContext;
import org.glassfish.jersey.server.internal.LocalizationMessages;
import org.glassfish.jersey.server.wadl.WadlApplicationContext;
import org.glassfish.jersey.server.wadl.WadlGenerator;
import org.glassfish.jersey.server.wadl.config.WadlGeneratorConfig;
import org.glassfish.jersey.server.wadl.config.WadlGeneratorConfigLoader;

import org.glassfish.hk2.api.ServiceLocator;

import com.sun.research.ws.wadl.Application;
import com.sun.research.ws.wadl.Doc;
import com.sun.research.ws.wadl.Grammars;
import com.sun.research.ws.wadl.Include;
import com.sun.research.ws.wadl.Resource;
import com.sun.research.ws.wadl.Resources;

/**
 * WADL application context implementation.
 *
 * @author Paul Sandoz (paul.sandoz at oracle.com)
 */
public class WadlApplicationContextImpl implements WadlApplicationContext {

private static final Logger LOGGER = Logger.getLogger(WadlApplicationContextImpl.class.getName());

static final String WADL_JERSEY_NAMESPACE = "http://jersey.java.net/");
public static final JAXBElement extendedElement = new JAXBElement<String>(
    new QName(WADL_JERSEY_NAMESPACE, "extended", "jersey"), String.class, "true");

@Context
private ExtendedResourceContext resourceContext;

private final ServiceLocator serviceLocator;

private boolean wadlGenerationEnabled = true;

private final WadlGeneratorConfig wadlGeneratorConfig;

private final JAXBContext jaxbContext;

public WadlApplicationContextImpl(@Context Configuration configuration, @Context ServiceLocator serviceLocator) {
    this.serviceLocator = serviceLocator;
    this.wadlGeneratorConfig = WadlGeneratorConfigLoader.loadWadlGeneratorsFromConfig(configuration.getProperties());

    // TODO perhaps this should be done another way for the moment
    // create a temporary generator just to do this one task
    final WadlGenerator wadlGenerator = wadlGeneratorConfig.createWadlGenerator(serviceLocator);

    JAXBContext jaxbContextCandidate;

    final ClassLoader contextClassLoader = AccessController.doPrivileged(ReflectionHelper.getContextClassLoaderPA());
    try {
        // Nasty ClassLoader magic. JAXB-API has some strange limitation about what classloader can
        // be used in OSGi environment - it must be same as context ClassLoader. Following code just
        // workarounds this limitation
        // see JERSEY-1818
        // see JSR222-46

        final ClassLoader jerseyModuleClassLoader = AccessController.doPrivileged(ReflectionHelper.getClassLoaderPA(wadlGenerator.getClass()));
        AccessController.doPrivileged(ReflectionHelper.setContextClassLoaderPA(jerseyModuleClassLoader));
        jaxbContextCandidate = JAXBContext.newInstance(wadlGenerator.getRequiredJaxbContextPath(), jerseyModuleClassLoader);
    } catch (JAXBException ex) {
        try {
            // fallback for glassfish
            LOGGER.log(Level.FINE, LocalizationMessages.WADL_JAXB_CONTEXT_FALLBACK(), ex);
            jaxbContextCandidate = JAXBContext.newInstance(wadlGenerator.getRequiredJaxbContextPath());
        } catch (JAXBException innerEx) {
            throw new ProcessingException(LocalizationMessages.ERROR_WADL_JAXB_CONTEXT(), ex);
        }
    } finally {
        AccessController.doPrivileged(ReflectionHelper.setContextClassLoaderPA(contextClassLoader));
    }

    jaxbContext = jaxbContextCandidate;
@Override
public ApplicationDescription getApplication(UriInfo uriInfo, boolean detailedWadl) {
    ApplicationDescription applicationDescription = getWadlBuilder(detailedWadl, uriInfo)
        .generate(resourceContext.getResourceModel().getRootResources());
    final Application application = applicationDescription.getApplication();
    for (Resources resources : application.getResources()) {
        if (resources.getBase() == null) {
            resources.setBase(uriInfo.getBaseUri().toString());
        }
    }
    attachExternalGrammar(application, applicationDescription, uriInfo.getRequestUri());
    return applicationDescription;
}

@Override
public Application getApplication(UriInfo info,
    org.glassfish.jersey.server.model.Resource resource, boolean detailedWadl) {

    // Get the root application description
    //
    ApplicationDescription description = getApplication(info, detailedWadl);

    WadlGenerator wadlGenerator = wadlGeneratorConfig.createWadlGenerator(serviceLocator);
    Application application = new WadlBuilder(wadlGenerator, detailedWadl, info).generate(description, resource);
    if (application == null) {
        return null;
    }

    for (Resources resources : application.getResources()) {
        resources.setBase(info.getBaseUri().toString());
    }

    // Attach any grammar we may have
    attachExternalGrammar(application, description, info.getRequestUri());

    for (Resources resources : application.getResources()) {
        final Resource r = resources.getResource().get(0);
        r.setPath(info.getBaseUri().relativize(info.getAbsolutePath()).toString());

        // remove path params since path is fixed at this point
        r.getParam().clear();
    }
}
return application;
}

// TODO probably no longer required
@Override
public JAXBContext getJAXBContext() {
    return jaxbContext;
}

private WadlBuilder getWadlBuilder(boolean detailedWadl, UriInfo uriInfo) {
    return (this.wadlGenerationEnabled ? new WadlBuilder(wadlGeneratorConfig.createWadlGenerator(serviceLocator),
                    detailedWadl, uriInfo) : null);
}

@Override
public void setWadlGenerationEnabled(boolean wadlGenerationEnabled) {
    this.wadlGenerationEnabled = wadlGenerationEnabled;
}

@Override
public boolean isWadlGenerationEnabled() {
    return wadlGenerationEnabled;
}

/**
 * Update the application object to include the generated grammar objects
 */
private void attachExternalGrammar(
    Application application,
    ApplicationDescription applicationDescription,
    URI requestURI) {

    // Massage the application.wadl URI slightly to get the right effect
    //
    try {
        final String requestURIPath = requestURI.getPath();

        if (requestURIPath.endsWith("application.wadl")) {
            requestURI = UriBuilder.fromUri(requestURI)
                .replacePath(requestURIPath
                    .substring(0, requestURIPath.lastIndexOf('/') + 1))
                .build();
        }
    }
}
String root = application.getResources().get(0).getBase();
UriBuilder extendedPath = root != null ?
    UriBuilder.fromPath(root).path("/application.wadl")
: UriBuilder.fromPath("./application.wadl/");
URI rootURI = root != null ? UriBuilder.fromPath(root).build() : null;

// Add a reference to this grammar
//

Grammars grammars;
if (application.getGrammars() != null) {
    LOGGER.info(LocalizationMessages.ERROR_WADL_GRAMMAR_ALREADY_CONTAINS());
    grammars = application.getGrammars();
} else {
    grammars = new Grammars();
    application.setGrammars(grammars);
}

// Create a reference back to the root WADL
//

for (String path : applicationDescription.getExternalMetadataKeys()) {
    URI schemaURI =
        extendedPath.clone().path(path).build();

    String schemaPath = rootURI != null ?
        requestURI.relativize(schemaURI).toString()
    : schemaURI.toString();

    Include include = new Include();
    include.setHref(schemaPath);
    Doc doc = new Doc();
    doc.setLang("en");
    doc.setTitle("Generated");
    include.getDoc().add(doc);

    // Finally add to list
    grammars.getInclude().add(include);
}
} catch (Exception e) {
    throw new ProcessingException(LocalizationMessages.ERROR_WADL_EXTERNAL_GRAMMAR(), e);
}
}
package org.glassfish.jersey.server.monitoring;

import java.util.Date;
import java.util.Map;
import java.util.Set;

/**
 * Application MX Bean.
 *
 * @author Miroslav Fuksa (miroslav.fuksa at oracle.com)
 */
public interface ApplicationMXBean {
    /**
     * Get the application name.
     * @return Application name.
     */
    public String getApplicationName();

    /**
     * Get the \{ @link javax.ws.rs.core.Application application class \} used for configuration of Jersey application.
     * @return Application class name.
     */
    public String getApplicationClass();

    /**
     * Get the map of configuration properties converted to strings.
     * @return Map property keys to property string values.
     */
    public Map<String, String> getProperties();

    /**
     * Get the start time of the application (when application was initialized).
     * @return Application start time.
     */
    public Date getStartTime();

    /**
     * Get a set of string names of resource classes registered by the user.
     * @return Set of classes full names (with package names).
     */
    public Set<String> getRegisteredClasses();

    /**
     * Get a set of string names of classes of user registered instances.
     * @return Set of user registered instances converted to their class full names (with package names).
     */
    public Set<String> getRegisteredInstances();
}
* Get classes of registered providers.
* @return Set of provider class full names (with packages names).
* @see org.glassfish.jersey.server.monitoring.ApplicationEvent#getProviders() for specification
* of returned classes.
*/

public Set<String> getProviderClasses();

*/

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* holder.
*/
package org.glassfish.jersey.server.monitoring;

import javax.ws.rs.ConstrainedTo;
import javax.ws.rs.RuntimeType;

import org.glassfish.jersey.server.monitoring;

/**
 * Jersey specific provider that listens to ApplicationEvent application events.
 * The implementation of this interface will be called for two kind of events:
 * application events and RequestEvent request events. This interface will listen to
 * all ApplicationEvent.Type application event types
 * but only to first request event which is the RequestEvent.Type#START. On this event the
 * application event listener can decide whether it will listen to the request and return RequestEventListener
 * request event listener for listening to further request events.
 *
 * The implementation of this interface can be registered as a standard Jersey/JAX-RS provider
 * by annotating with Provider annotation in the case of
 * class path scanning, by registering as a provider using ResourceConfig
 * or by returning from javax.ws.rs.core.Application#getClasses()
 * or javax.ws.rs.core.Application#getSingletons(). The provider can be registered only on the server
 * side.
 * <p/>
 * Application event listener can read data of events but must not modify them in any way. The implementation
 * must be thread safe (the methods might be called from different threads).
 *
 * @author Miroslav Fuksa (miroslav.fuksa at oracle.com)
 */
@Contract
@ConstrainedTo(RuntimeType.SERVER)
public interface ApplicationEventListener {

/**
 * Process the application event. This method is called when new event occurs.
 * @param event Application event.
 */
public void onEvent(ApplicationEvent event);

/**
 * Process a new request and return a RequestEventListener request event listener if
 * listening to RequestEvent request events is required. The method is called once for
 * each new incoming request. If listening to the request is required then request event must be returned
 * from the method. Such a request event listener will receive all request events that one request. If listening
 * to request event for the request is not required then RequestEventListener must be returned
 * from the method (do not return empty mock listener in these
 * cases as it will have negative performance impact).
 */

}
* @param requestEvent Event of type {@link RequestEvent.Type#START}.
* @return Request event listener that will monitor the events of the request
* connected with {code requestEvent}; null otherwise.
*/

public RequestEventListener onRequest(RequestEvent requestEvent);
}

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package org.glassfish.jersey.server.wadl.internal.generators;

import java.util.ArrayList;
import java.util.List;

import javax.xml.bind.annotation.XmlAccessType;
import javax.xml.bind.annotation.XmlAccessorType;
import javax.xml.bind.annotation.XmlElement;
import javax.xml.bind.annotation.XmlRootElement;
import javax.xml.bind.annotation.XmlType;
import com.sun.research.ws.wadl.Doc;

/**
 * The wrapper root document for multiple @link Doc elements.
 * Created on: Jun 10, 2008<br>
 * @author Martin Grotzke (martin.grotzke at freiheit.com)
 */
@XmlAccessorType(XmlAccessType.FIELD)
@XmlType(name = "applicationDocs", propOrder = {
    "docs"
})
@XmlRootElement(name = "applicationDocs")
public class ApplicationDocs {

    @XmlElement(name = "doc")
    protected List<Doc> docs;

    public List<Doc> getDocs() {
        if (docs == null) {
            docs = new ArrayList<Doc>();
        }
        return this.docs;
    }

} /*
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*/
package org.glassfish.jersey.server.wadl.internal;

import java.util.Set;

import javax.ws.rs.core.MediaType;

import javax.xml.namespace.QName;

import org.glassfish.jersey.server.wadl.WadlGenerator;

import com.sun.research.ws.wadl.Application;

/**
 * This class is designed to combine the Application instance with any other
 * external metadata that might be required to describe the application.
 *
 * @author Gerard Davison
 */
public class ApplicationDescription {

    private Application _application;
    private WadlGenerator.ExternalGrammarDefinition _externalGrammarDefinition;

}
ApplicationDescription(Application application, WadlGenerator.ExternalGrammarDefinition externalGrammarDefinition) {
    super();
    this._application = application;
    this._externalGrammarDefinition = externalGrammarDefinition;
}

/**
 * @return The instance of the application object
 */
public Application getApplication() {
    return _application;
}

/**
 * @param type java class to be resolved.
 * @return the QName for the given Class in the grammar.
 */
public QName resolve(Class type) {
    return _externalGrammarDefinition.resolve(type);
}

/**
 * @param path path to external metadata.
 * @return the external metadata for a given URL, generally provided as a sub resource
 *         or the root application.wadl.
 */
public ExternalGrammar getExternalGrammar(String path) {
    return _externalGrammarDefinition.map.get(path);
}

/**
 * @return A set of all the external metadata keys
 */
public Set<String> getExternalMetadataKeys() {
    return _externalGrammarDefinition.map.keySet();
}

/**
 * A simple holder class that stores a type and binary content
 * to be used to return extra metadata with
 */
public static class ExternalGrammar {

    private MediaType _type;
    private byte[] _content;

    public ExternalGrammar(MediaType type, byte[] content) {


super();
this._type = type;
this._content = content.clone();
}

public MediaType getType() {
    return _type;
}

public byte[] getContent() {
    // Defensive copy
    return _content.clone();
}

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package org.glassfish.jersey.server.wadl;

import javax.ws.rs.core.UriInfo;

import javax.xml.bind.JAXBContext;

import org.glassfish.jersey.server.wadl.internal.ApplicationDescription;

import com.sun.research.ws.wadl.Application;

/**
 * A context to obtain WADL-based information.
 *
 * @author Paul.Sandoz
 */
public interface WadlApplicationContext {

    /**
     * Get a WADL builder initiated with the configured \{@link WadlGenerator\}
     * for the Web application.
     *
     * @return the WADL builder.
     */
    WadlBuilder getWadlBuilder();

    /**
     * Get a new instance of a \{@link ApplicationDescription\} corresponding to all
     * the root resource classes.
     *
     * @return the application description, the contents may be modified.
     */
    ApplicationDescription getApplication();

    /**
     * Get a new instance of a \{@link ApplicationDescription\} corresponding to all
     * the root resource classes, and configure the base URI.
     *
     * @param ui the URI information from which the base URI is set on the
     *           WADL application.
     *
     * @return the application description, the contents may be modified.
     */
    ApplicationDescription getApplication(UriInfo ui, boolean detailedWadl);
/**
 * Get a new instance of {@link Application} for a particular resource.
 *
 * @param info the URI information from which the base URI is set on the
 *             WADL application.
 * @param resource the resource to build the Application for
 * @return the application for this resource
 */
Application getApplication(UriInfo info,
                 org.glassfish.jersey.server.model.Resource resource, boolean detailedWadl);

/**
 * Get the default JAXB context associated with the {@link WadlGenerator}
 * for the Web application.
 *
 * @return the default JAXB context.
 */
JAXBContext getJAXBContext();

//    /**
//     * Get the default JAXB context path to create a {@link JAXBContext}.
//     *
//     * @return the default JAXB context.
//     */
//    String getJAXBContextPath();

/**
 * Enable/disable WADL generation.
 *
 * @param wadlGenerationEnabled if wadlGenerationEnabled is true and
 *                              is false, WADL generation is enabled. In all other cases is disabled.
 */
void setWadlGenerationEnabled(boolean wadlGenerationEnabled);

/**
 * Get WADL generation status.
 *
 * @return true when WADL generation is enabled. Does not take
 *         is false, WADL generation is enabled. In all other cases is disabled.
 */
boolean isWadlGenerationEnabled();

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holder.

/**
 * An event informing about application lifecycle changes. The event is created by Jersey runtime and
 * handled by user registered [ @link ApplicationEventListener application event listener ].
 * <p/>
 * The event contains the [ @link Type ] which distinguishes between types of event. There are various

package org.glassfish.jersey.server.monitoring;

import java.util.Set;

import org.glassfish.jersey.server.ResourceConfig;
import org.glassfish.jersey.server.model.ResourceModel;

/**
 * An event informing about application lifecycle changes. The event is created by Jersey runtime and
 * handled by user registered [ @link ApplicationEventListener application event listener ].
 * <p/>
 * The event contains the [ @link Type ] which distinguishes between types of event. There are various
* properties in the event (accessible by getters) and some of them might be relevant only to specific event types.
 * <p/>
 * Note that internal state of the event must be modified. Even the event is immutable it exposes objects
 * which might be mutable and the code of event listener must not change state of these objects.
 * 
 * @author Miroslav Fuksa (miroslav.fuksa at oracle.com)
 */

```java
public interface ApplicationEvent {

    /**
     * The type of the event that identifies on which lifecycle change the event is triggered.
     */
    public static enum Type {
        /**
         * Initialization of the application has started. In this point no all the event properties
         * are initialized yet.
         */
        INITIALIZATION_START,
        /**
         * Initialization of { @link org.glassfish.jersey.server.ApplicationHandler jersey application} is
         * finished but the server might not be started and ready yet to serve requests (this will be
         * indicated by the { @link #INITIALIZATION_FINISHED event}. This event indicates only that the
         * environment is ready (all providers are registered, application is configured, etc.).
         */
        INITIALIZATION_APP_FINISHED,
        /**
         * Initialization of the application has finished, server is started and application is ready
         * to handle requests now.
         */
        INITIALIZATION_FINISHED,
        /**
         * Application has been destroyed (stopped). In this point the application cannot process any new requests.
         */
        DESTROY_FINISHED,
        /**
         * The application reload is finished. The reload can be invoked by
         * { @link org.glassfish.jersey.server.spi.Container#reload()} method. When this event is triggered
         * the reload is completely finished, which means that the new application is initialized (appropriate
         * events are called) and new reloaded application is ready to server requests.
         */
        RELOAD_FINISHED
    }

    /**
     * Return the type of the event.
     */
```
* @return Event type.
*/
public Type getType();

/**
 * Get resource config associated with the application. The resource config is set for all event types.
 *
 * @return Resource config on which this application is based on.
 */
public ResourceConfig getResourceConfig();

/**
 * Get resource classes registered by the user in the current application. The set contains only
 * user resource classes and not resource classes added by Jersey
 * or by { @link org.glassfish.jersey.server.model.ModelProcessor }. 
 * <p/>
 * User resources are resources that
 * were explicitly registered by the configuration, discovered by the class path scanning or that
 * constructs explicitly registered { @link org.glassfish.jersey.server.model.Resource programmatic resource }. 
 * @return Resource user registered classes.
 */
public Set<Class<?>> getRegisteredClasses();

/**
 * Get resource instances registered by the user in the current application. The set contains only
 * user resources and not resources added by Jersey
 * or by { @link org.glassfish.jersey.server.model.ModelProcessor }. 
 * <p/>
 * User resources are resources that
 * were explicitly registered by the configuration, discovered by the class path scanning or that
 * constructs explicitly registered { @link org.glassfish.jersey.server.model.Resource programmatic resource }. 
 * @return Resource instances registered by user.
 */
public Set<Object> getRegisteredInstances();

/**
 * Get registered providers available in the runtime. The registered providers
 * are providers like { @link org.glassfish.jersey.server.model.MethodList.Filter filters },
 * { @link javax.ws.rs.ext.ReaderInterceptor reader } and { @link javax.ws.rs.ext.WriterInterceptor writer }
 * interceptors which are explicitly registered by configuration, or annotated by
 * { @link javax.ws.rs.ext.Provider @Provider } or registered in META-INF/services. The
 * set does not include providers that are by default built in Jersey.
 * @return Set of provider classes.
 */
public Set<Class<?>> getProviders();

/**
 * Get the resource model of the application. The method returns null for
 * [INITIALIZATION_START] event type as the resource model is not initialized yet.
 * The returned resource model is the final deployed model including resources enhanced by
 * ModelProcessor model processors.
 * @return Resource model of the deployed application.
 */
public ResourceModel getResourceModel();

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* holder.
*/

package org.glassfish.jersey.server.monitoring;

import java.util.Date;
import java.util.Set;

import org.glassfish.jersey.server.ResourceConfig;

/**
 * Monitoring statistics and configuration of an application.
 * <p/>
 * Statistics retrieved from Jersey runtime might be mutable and thanks to it might provide inconsistent data
 * as not all statistics are updated in the same time. To retrieve the immutable and consistent
 * statistics data the method { @link MonitoringStatistics#snapshot()} should be used.
 *<p/>
 * @author Miroslav Fuksa (miroslav.fuksa at oracle.com)
 * @see MonitoringStatistics See MonitoringStatistics class for general details about statistics.
 */

public interface ApplicationStatistics {

    /**
     * Get the resource config.
     *
     * @return Resource config.
     */
    public ResourceConfig getResourceConfig();

    /**
     * Get the start time of the application.
     *
     * @return Time when an application initialization has been finished.
     */
    public Date getStartTime();

    /**
     * Get the time when application destroy (stop) has been finished.
     *
     * @return Destroy time.
     *
     * @deprecated deprecated since 2.5 (destroy time will always be { @code null}). Use
     *            { @link org.glassfish.jersey.server.spi.ContainerLifecycleListener#onShutdown(org.glassfish.jersey.server.spi.Container)}
     * to listen on the destroy.
     */
    public Date getDestroyTime();
/**
* Get resource classes registered by the user in the current application. The set contains only
* user resource classes and not resource classes added by Jersey
* or by { @link org.glassfish.jersey.server.model.ModelProcessor }.
* <p/>
* User resources are resources that
* were explicitly registered by the configuration, discovered by the class path scanning or that
* constructs explicitly registered { @link org.glassfish.jersey.server.model.Resource programmatic resource }.
* @return Resource user registered classes.
*/
public Set<Class<?>> getRegisteredClasses();

/**
* Get resource instances registered by the user in the current application. The set contains only
* user resources and not resources added by Jersey
* or by { @link org.glassfish.jersey.server.model.ModelProcessor }.
* <p/>
* User resources are resources that
* were explicitly registered by the configuration, discovered by the class path scanning or that
* constructs explicitly registered { @link org.glassfish.jersey.server.model.Resource programmatic resource }.
* @return Resource instances registered by user.
*/
public Set<Object> getRegisteredInstances();

/**
* Get registered providers available in the runtime. The registered providers
* are providers like { @link org.glassfish.jersey.server.model.MethodList.Filter filters },
* { @link javax.ws.rs.ext.ReaderInterceptor reader } and { @link javax.ws.rs.ext.WriterInterceptor writer }
* interceptors which are explicitly registered by configuration, or annotated by
* { @link javax.ws.rs.ext.Provider @Provider } or registered in META-INF/services. The
* set does not include providers that are by default built in Jersey.
* @return Set of provider classes.
*/
public Set<Class<?>> getProviders();

/**
* Get the immutable consistent snapshot of the monitoring statistics. Working with snapshots might
* have negative performance impact as snapshot must be created but ensures consistency of data over time.
* However, the usage of snapshot is encouraged to avoid working with inconsistent data. Not all statistics
* must be updated in the same time on mutable version of statistics.
* @return Snapshot of application statistics.
*/
public ApplicationStatistics snapshot();
}

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1.410 neo4j-values 3.5.4

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Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003
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Theodore Ts'o
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This is the Debian GNU/Linux prepackaged version of the translation files of the EXT2 file system utilities. The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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Index: tdbsa/tdb.c

--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/ *
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
- Copyright (C) Andrew Tridgell 2005
+ Copyright (C) Andrew Tridgell 1999-2005
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This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ ext2fs/

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# This is a Makefile stub which handles the creation of BSD shared libraries.
# In order to use this stub, the following makefile variables must be defined.

# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $SHLIBDIR

all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic
BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJ))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$BSD_LIB
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
This is the Debian GNU/Linux prepackaged version of the static EXT2
file system consistency checker (e2fsck.static). The EXT2 utilities
were written by Theodore Ts'o <tytso@mit.edu> and Remy Card
<card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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Upstream Author: Theodore Ts'o <tytso@mit.edu>

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1.417 cas-server-core-api-webflow 5.2.0

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1.418 libx11 2:1.6.4

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```

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1.422 libcap 237-3ubuntu10.38

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1.423 flowrate 1.5.2 0.7.git269f928.el7

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1.424 grpc-protobuf-lite 1.7.0
1.425 spring-web 5.1.6
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 */

package org.springframework.http.codec.multipart;

/**
 * Specialization of {link Part} for a form field.
 *
 * @author Rossen Stoyanchev
 * @since 5.0
 */
public interface FormFieldPart extends Part {

/**
 * Return the form field value.
 */
String value();

}

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1.430 paranamer 2.8

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 */
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1.431 jetty-jndi 9.4.12.v20180830

1.432 pax-web-runtime 7.2.5

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package org.apache.directory.api.ldap.aci;

import java.util.Collection;
import java.util.Collections;
import java.util.HashSet;
import java.util.Set;

/**
 * An abstract base class for ItemPermission and UserPermission.
 *
 */
public abstract class Permission
{
    /** The precedence. */
    private final Integer precedence;

    /** The grants and denials. */
    private final Set<GrantAndDenial> grantsAndDenials;

    /** The grants. */
    private final Set<GrantAndDenial> grants;

    /** The denials. */
    private final Set<GrantAndDenial> denials;
/**
 * Creates a new instance
 * @param precedence
 * the precedence of this permission (<tt>-1</tt> to use the default)
 * @param grantsAndDenials
 * the set of [ @link GrantAndDenial]s
 */
protected Permission( Integer precedence, Collection<GrantAndDenial> grantsAndDenials )
{
    this.precedence = precedence;

    Set<GrantAndDenial> tmpGrantsAndDenials = new HashSet<>();
    Set<GrantAndDenial> tmpGrants = new HashSet<>();
    Set<GrantAndDenial> tmpDenials = new HashSet<>();

    for ( GrantAndDenial gad : grantsAndDenials )
    {
        if ( gad.isGrant() )
        {
            tmpGrants.add( gad );
        }
        else
        {
            tmpDenials.add( gad );
        }

        tmpGrantsAndDenials.add( gad );
    }

    this.grants = Collections.unmodifiableSet( tmpGrants );
    this.denials = Collections.unmodifiableSet( tmpDenials );
    this.grantsAndDenials = Collections.unmodifiableSet( tmpGrantsAndDenials );
}

/**
 * Gets the precedence of this permission.
 * @return the precedence
 */
public Integer getPrecedence()
{
    return precedence;
}
/**
 * Gets the set of GrantAndDenials.
 * @return the grants and denials
 */
public Set<GrantAndDenial> getGrantsAndDenials()
{
    return grantsAndDenials;
}

/**
 * Gets the set of grants only.
 * @return the grants
 */
public Set<GrantAndDenial> getGrants()
{
    return grants;
}

/**
 * Gets the set of denials only.
 * @return the denials
 */
public Set<GrantAndDenial> getDenials()
{
    return denials;
}

1.437 json-smart 1.3.1

1.438 apache-karaf-features-extension 4.2.2
1.438.1 Available under license:

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### 1.439 mapsforge-map-reader 0.6.0

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

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

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1.447 spring-boot-starter-web 1.5.8
1.448 libressl 2.7.4 r1

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David Megginson, david@megginson.com
2000-05-05
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package org.eclipse.text.edits;
import org.eclipse.jface.text.BadLocationException;
import org.eclipse.jface.text.IDocument;

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

public final class CopyingRangeMarker extends TextEdit {

private String fText;

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

/*
 * Copy constructor
 */
private CopyingRangeMarker(CopyingRangeMarker other) {
    super(other);
    fText = other.fText;
}

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

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

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

/* non Java-doc
 * @see TextEdit#deleteChildren
 */
/* package */ boolean deleteChildren() {
    return false;
}
}
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* /opt/ws_local/PERMITS_SQL/1050354490_1591726454.95/0/stateless4j-2-5-0-sources-1-jar/com/github/oxo42/stateless4j/OutVar.java
1.472 iptables 1.8.2 4

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1.475 hazelcast 3.7.8
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21com/hazelcast/security/permission/ActionConstants.java

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ACTION_CREATE
ACTION_DESTROY
ACTION_MODIFY
ACTION_READ
ACTION_REMOVE
ACTION_LOCK
ACTION_LISTEN
ACTION_RELEASE
ACTION_ACQUIRE
ACTION_PUT
ACTION_ADD
ACTION_INDEX
ACTION_INTERCEPT
ACTION_PUBLISH
LISTENER_INSTANCE
LISTENER_MEMBER
LISTENER_MIGRATION

PERMISSION_FACTORY_MAP
getPermission
toString
get
set
multiMapService
listService
atomicLongService
countDownLatchService
semaphoreService
topicService
lockService
executorService
idGeneratorService
mapReduceService
replicatedMapService
atomicReferenceService
Open Source Used In Crosswork Optimization Engine 1.2.1

```java
DenyAllPermissionCollection.java

2.0=com/hazelcast/security/permission/DenyAllPermissionCollection

DenyAllPermissionCollection.java?com/hazelcast/security/permission/DenyAllPermissionCollection$1\<init>()V

this?Lcom/hazelcast/security/permission/DenyAllPermissionCollection;add(Ljava/security/Permission;)V

permissionLjava/security/Permission;implies(Ljava/security/Permission;Z)elements()Ljava/util/Enumeration;B(Lcom/hazelcast/security/permission/DenyAllPermissionCollection;)V

hashCode()ItoString()Ljava/lang/String;\n
deny all permissions>equals(Ljava/lang/Object;)ZobjLjava/lang/Object;CodeLocalVariableTableLineNumberTable

Signature()Ljava/util/Enumeration<Ljava/security/Permission;>:SourceFileInnerClasses!#3*$

%5$

#6$

%"#3Y*$

%$&"-%$

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%; #9+$

!%@()2m4com/hazelcast/security/permission/InstancePermission3com/hazelcast/security/permission/ClusterPermissionIns
tancePermission.javaNONEICREATEDESTROYCONFIG_PATTERN_MATCHER;Lcom/hazelcast/config/matche
r/WildcardConfigPatternMatcher;maskactionsLjava/lang/String;<init>((Ljava/lang/String;[Ljava/lang/String;)V(Ljava
/lang/String;)V

java/lang/Stringequals(Ljava/lang/Object;)Z

[Ljava/lang/String;]java/lang/IllegalArgumentException!Permission name is mandatory!#

"initMask([Ljava/lang/String;);I&

(*java/lang/StringBuilder,()V.

-3 5toString()Ljava/lang/String;78

-getActionshashCode()I\]

resultobjLjava/lang/Object;other<clinit>

Q/

ConstantValueCodeLocalVariableTableLineNumberTable

StackMapTable

SourceFile!g

ha*+++
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2=com/hazelcast/security/permission/ClusterPermissionCollection
ClusterPermissionCollection.javapersmsLjava/util/HashSet;+Ljava/util/HashSet<Ljava/security/Permission;>;permClassLjava/lang/Class;;Ljava/lang/Class<+Ljava/security/Permission;>;init();V
com/hazelcast/security/permission/ClusterPermissionCollection:(Ljava/lang/Class;)Vadd(Ljava/security/Permission;)V
isReadOnly();Z
com/hazelcast/security/permission/ClusterPermissionCollection is read-only!(Ljava/lang/String;)V$%java/lang/Object.getClass()Ljava/lang/Class;$ctor(java/lang/Class)Z
(java/lang/Object)equals(Ljava/lang/Object;)Z
(com/hazelcast/security/permission/ClusterPermissionCollection implies(Ljava/security/Permission;)Z34
java/util/Set7.89
permissionLjava/security/Permission;
shouldAddZ(Ljava/security/PermissionCollection;)Viterator(Ljava/Iterator;@A8Bjava/util/IteratorDhasNextF
EGnext(Ljava/lang/Object;IEJLjava/security/PermissionM
 Oppermisions$Ljava/security/PermissionCollection;
N5compactremoveV
EWsetReadOnlyY
Zpermeter0Ljava/util/Iterator<L java/security/PermissionCollection;>;Ljava/util/Iterator;elements(Ljava/util/Enumeration:jav
/util/Collectionbeneration(Ljava/util/Collection;Ljava/util/Enumeration;de
cGetPermissions(Ljava/util/Iterator;unmodifiableSet (Ljava/util/Iterator;)Ljava/util/Iterator;jk
ctoString(Ljava/lang/String;java/lang/StringBuilder
q'ClusterPermissionCollection [permClass=sappend-(Ljava/lang/String;)-Ljava/lang/StringBuilder;uv
qw-(Ljava/lang/Object;)Ljava/lang/StringBuilder;uy
qZ]no
q~
SignatureCodeLocalVariableTableLineNumberTableLocalVariableTypeTable1(Ljava/lang/Class<+Ljava/security/P
ermission;>;)V
StackMapTable5()Ljava/util/Iterator<Ljava/security/PermissionCollection;>;;
(Ljava/util/Iterator<Ljava/security/PermissionCollection;>;;
SourceFile!

K**Y* !"g***Y*+
S%&K*
!Y#&**+.0
+2e*+6*+.W KK;<3=>)*.3/0J2@?A*
!Y#&++CM,HLNN*-P 8Q<AARS56898;:=@=E34,*CM,HLNN-T
Q<;:,<@A%B'D*EU
;:z*
Q!

this6Lcom/hazelcast/security/permission/ActionConstants$15;createA(Ljava/lang/String;[Ljava/lang/String;)Ljava/security/Permission;;com/hazelcast/security/permission/AtomicReferencePermission((Ljava/lang/String;[Ljava/lang/String;)V

nameLjava/lang/String;actions[Ljava/lang/String;CodeLocalVariableTableLineNumberTableSourceFileEnclosingMethodInnerClasses0/*H
Y+,

}!

this6Lcom/hazelcast/security/permission/ActionConstants$10;createA(Ljava/lang/String;[Ljava/lang/String;)Ljava/security/Permission;0com/hazelcast/security/permission/LockPermission((Ljava/lang/String;[Ljava/lang/String;)V

nameLjava/lang/String;actions[Ljava/lang/String;CodeLocalVariableTableLineNumberTableSourceFileEnclosingMethodInnerClasses0/*xH
Y+,

{ |
221com/hazelcast/security/permission/TopicPermission4com/hazelcast/security/permission/InstancePermissionTopicPermission.javaPUBLISHLISTENALL<init>(Ljava/lang/String;[Ljava/lang/String;)V
this3Lcom/hazelcast/security/permission/TopicPermission:nameLjava/lang/String;actions[Ljava/lang/String;initMask([Ljava/lang/String;)Jalljava/lang/Stringequals(Ljava/lang/Object;)Zcreate"publish$destroy&listen(actionmask ConstantValueCodeLocalVariableTableLineNumberTableStackMapTableSourceFile!,,

, -I*+. /
-o=-N-66^-2:!#!
=4%
=#!
=)!=."*O*oom+: !"%'/&@{G)}Q*X+b.g m/0$1

1.476 hazelcast-all 3.7.8
package com.hazelcast.security.permission;

public class ReplicatedMapPermission
    extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int LOCK = 64;
    private static final int INDEX = 128;
    private static final int INTERCEPT = 256;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX | INTERCEPT;

    public ReplicatedMapPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            } else if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }

        return mask;
    }
}
} else if (ActionConstants.ACTION_PUT.equals(action)) {
    mask |= PUT;
} else if (ActionConstants.ACTION_REMOVE.equals(action)) {
    mask |= REMOVE;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
} else if (ActionConstants.ACTION_LISTEN.equals(action)) {
    mask |= LISTEN;
} else if (ActionConstants.ACTION_LOCK.equals(action)) {
    mask |= LOCK;
} else if (ActionConstants.ACTION_INDEX.equals(action)) {
    mask |= INDEX;
} else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
    mask |= INTERCEPT;
}
}

return mask;

}]

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 */

package com.hazelcast.security.permission;

import com.hazelcast.config.matcher.WildcardConfigPatternMatcher;

import java.security.Permission;

/**
 * @TODO Object Permission
 */

public abstract class InstancePermission extends ClusterPermission {

    protected static final int NONE = 0;
    protected static final int CREATE = 1;

    //...
protected static final int DESTROY = 2;
private static final WildcardConfigPatternMatcher CONFIG_PATTERN_MATCHER = new
WildcardConfigPatternMatcher();
protected final int mask;
protected final String actions;
public InstancePermission(String name, String... actions) {
super(name);
if (name == null || "".equals(name)) {
throw new IllegalArgumentException("Permission name is mandatory!");
}
mask = initMask(actions);
final StringBuilder s = new StringBuilder();
for (String action : actions) {
s.append(action).append(" ");
}
this.actions = s.toString();
}
/**
* init mask
*/
protected abstract int initMask(String[] actions);
@Override
public boolean implies(Permission permission) {
if (this.getClass() != permission.getClass()) {
return false;
}
InstancePermission that = (InstancePermission) permission;
boolean maskTest = ((this.mask & that.mask) == that.mask);
if (!maskTest) {
return false;
}
return CONFIG_PATTERN_MATCHER.matches(getName(), that.getName());
}
@Override
public String getActions() {
return actions;
}

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@Override
public int hashCode() {
    int result = super.hashCode();
    result = 31 * result + mask;
    result = 31 * result + actions.hashCode();
    return result;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    InstancePermission other = (InstancePermission) obj;
    if (getName() == null && other.getName() != null) {
        return false;
    }
    if (!getName().equals(other.getName())) {
        return false;
    }
    if (mask != other.mask) {
        return false;
    }
    return true;
}
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 */
package com.hazelcast.security.permission;

public class LockPermission extends InstancePermission {

    private static final  int LOCK = 4;
    private static final  int READ = 8;
    private static final  int ALL = CREATE | DESTROY | LOCK | READ;

    public LockPermission(String key, String... actions) {
        super(key, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_LOCK.equals(action)) {
                mask |= LOCK;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            }
        }
        return mask;
    }

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    */
package com.hazelcast.security.permission;

public class DurableExecutorServicePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public DurableExecutorServicePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}

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 */
public class RingBufferPermission extends InstancePermission {
    private static final int PUT = 4;
    private static final int READ = 8;
    private static final int ALL = PUT | READ;

    public RingBufferPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_PUT.equals(action)) {
                mask |= PUT;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            }
        }
        return mask;
    }
}

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 */

package com.hazelcast.security.permission;
public class AtomicReferencePermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicReferencePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }

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    */
package com.hazelcast.security.permission;

public class MultiMapPermission extends MapPermission {

    public MultiMapPermission(String name, String... actions) {
        super(name, actions);
    }
}

package com.hazelcast.security.permission;

public class MapReducePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public MapReducePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            }
        }
    }

    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    }
}
else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
}
return mask;

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 */

package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public class DenyAllPermissionCollection extends PermissionCollection {
    public DenyAllPermissionCollection() {
    }

    @Override
    public void add(Permission permission) {
    }

    @Override
    public boolean implies(Permission permission) {
        return false;
    }

    @Override
    public Enumeration<Permission> elements() {
        return new Enumeration<Permission>() {
            @Override
            public boolean hasMoreElements() {
                return false;
            }

            @Override
            public Enumeration<Permission>() {
                @Override
                public boolean hasMoreElements() {
                    return false;
                }

                @Override
                public Enumeration<Permission> nextEnumeration() {
                    return new Enumeration<Permission>() {
                        @Override
                        public boolean hasMoreElements() {
                            return false;
                        }

                        @Override
                        public Enumeration<Permission> nextEnumeration() {
                            return null;
                        }
                    }
                }
            }
        }
    }
}

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package com.hazelcast.security.permission;

public class SetPermission extends ListPermission {

    public SetPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    public Permission nextElement() {
        return null;
    }

    @Override
    public int hashCode() {
        return 37;
    }

    @Override
    public String toString() {
        return "<deny all permissions>";
    }

    @Override
    public boolean equals(Object obj) {
        return obj instanceof DenyAllPermissionCollection;
    }

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    */
package com.hazelcast.security.permission;

public class QueuePermission extends InstancePermission {

    private static final int ADD = 4;
    private static final int READ = 8;
    private static final int REMOVE = 16;
    private static final int LISTEN = 32;
    private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

    public QueuePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_ADD.equals(action)) {
                mask |= ADD;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            }
        }
        return mask;
    }
}
mask |= READ;
} else if (ActionConstants.ACTION_REMOVE.equals(action)) {
    mask |= REMOVE;
} else if (ActionConstants.ACTION_LISTEN.equals(action)) {
    mask |= LISTEN;
}
}
return mask;
}

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/**
 * Contains all the security permissions
 */
package com.hazelcast.security.permission;

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*/
package com.hazelcast.security.permission;
public class MapPermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int LOCK = 64;
    private static final int INDEX = 128;
    private static final int INTERCEPT = 256;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX | INTERCEPT;

    public MapPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            } else if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_PUT.equals(action)) {
                mask |= PUT;
            } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
                mask |= REMOVE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
                mask |= LISTEN;
            } else if (ActionConstants.ACTION_LOCK.equals(action)) {
                mask |= LOCK;
            } else if (ActionConstants.ACTION_INDEX.equals(action)) {
                mask |= INDEX;
            } else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
                mask |= INTERCEPT;
            }
        }
        return mask;
    }
}
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  */

package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;

public abstract class ClusterPermission extends Permission {

    private int hashcode;

    public ClusterPermission(String name) {
        super(name);
    }

    public PermissionCollection newPermissionCollection() {
        return new ClusterPermissionCollection(getClass());
    }

    @Override
    public int hashCode() {
        if (hashcode == 0) {
            final int prime = 31;
            int result = 1;
            if (getName() == null) {
                result = prime * result + 13;
            } else {
                result = prime * result + getName().hashCode();
            }
            hashcode = result;
        }
        return hashcode;
    }
}
public class CachePermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN;

    public CachePermission(String name, String... actions) {
    }
}
super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_PUT.equals(action)) {
            mask |= PUT;
        } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
            mask |= REMOVE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        }
    }
    return mask;
}

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 */

package com.hazelcast.security.permission;

import java.security.Permission;
public class TransactionPermission extends ClusterPermission {

    public TransactionPermission() {
        super("<transaction>");
    }

    @Override
    public boolean implies(Permission permission) {
        return getClass() == permission.getClass();
    }

    @Override
    public String getActions() {
        return "transaction";
    }
}

package com.hazelcast.security.permission;

public class ExecutorServicePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public ExecutorServicePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            mask = mask | action
        }
        return mask;
    }
}

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 */
if (ActionConstants.ACTION_ALL.equals(action)) {
    return ALL;
}

if (ActionConstants.ACTION_CREATE.equals(action)) {
    mask |= CREATE;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
}
}
return mask;
}
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 */

package com.hazelcast.security.permission;

public class AtomicLongPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicLongPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}
return ALL;
}

if (ActionConstants.ACTION_CREATE.equals(action)) {
    mask |= CREATE;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
} else if (ActionConstants.ACTION_MODIFY.equals(action)) {
    mask |= MODIFY;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
}

return mask;

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*/

package com.hazelcast.security.permission;

public class SemaphorePermission extends InstancePermission {

    private static final int ACQUIRE = 4;
    private static final int RELEASE = 8;
    private static final int READ = 16;
    private static final int ALL = CREATE | DESTROY | ACQUIRE | RELEASE | READ;

    public SemaphorePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_ACQUIRE.equals(action)) {
            mask |= ACQUIRE;
        } else if (ActionConstants.ACTION_RELEASE.equals(action)) {
            mask |= RELEASE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        }
    }
    return mask;
}

package com.hazelcast.security.permission;

public class ListPermission extends InstancePermission {

    private static final int ADD = 4;
    private static final int READ = 8;
    private static final int REMOVE = 16;
    private static final int LISTEN = 32;
    private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;
public ListPermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
    }
    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_ADD.equals(action)) {
        mask |= ADD;
    } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
        mask |= REMOVE;
    } else if (ActionConstants.ACTION_READ.equals(action)) {
        mask |= READ;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
        mask |= LISTEN;
    }
    return mask;
} /*
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 */

package com.hazelcast.security.permission;

public class TopicPermission extends InstancePermission {

private static final int PUBLISH = 4;
private static final int LISTEN = 8;
private static final int ALL = CREATE | DESTROY | LISTEN | PUBLISH;

public TopicPermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_PUBLISH.equals(action)) {
            mask |= PUBLISH;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        }
    }
    return mask;
}

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 */
package com.hazelcast.security.permission;

public class CountDownLatchPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = CREATE | DESTROY | READ | MODIFY;

    public CountDownLatchPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            }
        }
        return mask;
    }
}

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class ClusterPermissionCollection extends PermissionCollection {

    final Set<Permission> perms = new HashSet<Permission>();
    final Class<? extends Permission> permClass;

    public ClusterPermissionCollection() {
        permClass = null;
    }

    public ClusterPermissionCollection(Class<? extends Permission> permClass) {
        this.permClass = permClass;
    }

    public void add(Permission permission) {
        if (isReadOnly()) {
            throw new SecurityException("ClusterPermissionCollection is read-only!");
        }
        boolean shouldAdd = (permClass != null && permClass.equals(permission.getClass()))
            || (permission instanceof ClusterPermission);

        if (shouldAdd && !implies(permission)) {
            perms.add(permission);
        }
    }

    public void add(PermissionCollection permissions) {
        if (isReadOnly()) {
            throw new SecurityException("ClusterPermissionCollection is read-only!");
        }
        
    }
}
if (permissions instanceof ClusterPermissionCollection) {
    for (Permission p : ((ClusterPermissionCollection) permissions).perms) {
        add(p);
    }
}

public boolean implies(Permission permission) {
    for (Permission p : perms) {
        if (p.implies(permission)) {
            return true;
        }
    }
    return false;
}

public void compact() {
    if (isReadOnly()) {
        throw new SecurityException("ClusterPermissionCollection is read-only!");
    }
    final Iterator<Permission> iter = perms.iterator();
    while (iter.hasNext()) {
        final Permission perm = iter.next();
        boolean implies = false;
        for (Permission p : perms) {
            if (p != perm && p.implies(perm)) {
                implies = true;
                break;
            }
        }
        if (implies) {
            iter.remove();
        }
    }
    setReadOnly();
}

public Enumeration<Permission> elements() {
    return Collections.enumeration(perms);
}

public Set<Permission> getPermissions() {
    return Collections.unmodifiableSet(perms);
}

@Override
public String toString() {
    return "

return "ClusterPermissionCollection [permClass=" + permClass + "]";
}
}
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package com.hazelcast.security.permission;

import com.hazelcast.cache.impl.CacheService;
import com.hazelcast.collection.impl.list.ListService;
import com.hazelcast.collection.impl.queue.QueueService;
import com.hazelcast.collection.impl.set.SetService;
import com.hazelcast.concurrent.atomiclong.AtomicLongService;
import com.hazelcast.concurrent.atomicreference.AtomicReferenceService;
import com.hazelcast.concurrent.countdownlatch.CountDownLatchService;
import com.hazelcast.concurrent.idgen.IdGeneratorService;
import com.hazelcast.concurrent.lock.LockService;
import com.hazelcast.concurrent.semaphore.SemaphoreService;
import com.hazelcast.executor.impl.DistributedExecutorService;
import com.hazelcast.map.impl.MapService;
import com.hazelcast.mapreduce.impl.MapReduceService;
import com.hazelcast.multimap.impl.MultiMapService;
import com.hazelcast.multimap.impl.ReplicatedMapService;
import com.hazelcast.ringbuffer.impl.RingbufferService;
import com.hazelcast.topic.impl.TopicService;

import java.security.Permission;
import java.util.HashMap;
import java.util.Map;

public final class ActionConstants {

    public static final String ACTION_ALL = "all";
    public static final String ACTION_CREATE = "create";
    public static final String ACTION_DESTROY = "destroy";

public static final String ACTION_MODIFY = "modify";
public static final String ACTION_READ = "read";
public static final String ACTION_REMOVE = "remove";
public static final String ACTION_LOCK = "lock";
public static final String ACTION_LISTEN = "listen";
public static final String ACTION_RELEASE = "release";
public static final String ACTION_ACQUIRE = "acquire";
public static final String ACTION_PUT = "put";
public static final String ACTION_ADD = "add";
public static final String ACTION_INDEX = "index";
public static final String ACTION_INTERCEPT = "intercept";
public static final String ACTION_PUBLISH = "publish";

public static final String LISTENER_INSTANCE = "instance";
public static final String LISTENER_MEMBER = "member";
public static final String LISTENER_MIGRATION = "migration";

private static final Map<String, PermissionFactory> PERMISSION_FACTORY_MAP = new HashMap<String, PermissionFactory>();

static {
    PERMISSION_FACTORY_MAP.put(QueueService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new QueuePermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(MapService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new MapPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(MultiMapService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new MultiMapPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(ListService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new ListPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(SetService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new SetPermission(name, actions);
        }
    });
}
return new SetPermission(name, actions);
});

PERMISSION_FACTORY_MAP.put(AtomicLongService.SERVICE_NAME, new PermissionFactory() {
  @Override
  public Permission create(String name, String... actions) {
    return new AtomicLongPermission(name, actions);
  }
});

PERMISSION_FACTORY_MAP.put(CountDownLatchService.SERVICE_NAME, new PermissionFactory() {
  @Override
  public Permission create(String name, String... actions) {
    return new CountDownLatchPermission(name, actions);
  }
});

PERMISSION_FACTORY_MAP.put(SemaphoreService.SERVICE_NAME, new PermissionFactory() {
  @Override
  public Permission create(String name, String... actions) {
    return new SemaphorePermission(name, actions);
  }
});

PERMISSION_FACTORY_MAP.put(TopicService.SERVICE_NAME, new PermissionFactory() {
  @Override
  public Permission create(String name, String... actions) {
    return new TopicPermission(name, actions);
  }
});

PERMISSION_FACTORY_MAP.put(LockService.SERVICE_NAME, new PermissionFactory() {
  @Override
  public Permission create(String name, String... actions) {
    return new LockPermission(name, actions);
  }
});

PERMISSION_FACTORY_MAP.put(DistributedExecutorService.SERVICE_NAME, new PermissionFactory() {
  @Override
  public Permission create(String name, String... actions) {
    return new ExecutorServicePermission(name, actions);
  }
});

PERMISSION_FACTORY_MAP.put(IdGeneratorService.SERVICE_NAME, new PermissionFactory() {
  @Override
  public Permission create(String name, String... actions) {
    return new AtomicLongPermission(IdGeneratorService.ATOMIC_LONG_NAME + name, actions);
  }
});

PERMISSION_FACTORY_MAP.put(MapReduceService.SERVICE_NAME, new PermissionFactory() {
  @Override
  public Permission create(String name, String... actions) {
    return new MapReducePermission(name, actions);
  }
});
public Permission create(String name, String... actions) {
    return new MapReducePermission(name, actions);
}
}

PERMISSION_FACTORY_MAP.put(ReplicatedMapService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ReplicatedMapPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(AtomicReferenceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicReferencePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(CacheService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CachePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(RingbufferService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new RingBufferPermission(name, actions);
    }
});

private ActionConstants() {
}

private interface PermissionFactory {
    Permission create(String name, String... actions);
}

/**
 * Creates a permission
 *
 * @param name
 * @param serviceName
 * @param actions
 * @return the created Permission
 * @throws java.lang.IllegalArgumentException if there is no service found with the given serviceName.
 */

public static Permission getPermission(String name, String serviceName, String... actions) {
    PermissionFactory permissionFactory = PERMISSION_FACTORY_MAP.get(serviceName);
    }
if (permissionFactory == null) {
    throw new IllegalArgumentException("No permissions found for service: " + serviceName);
}

return permissionFactory.create(name, actions);
}

/*
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 */

package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public final class AllPermissions extends ClusterPermission {

    public AllPermissions() {
        super("<all permissions>");
    }

    @Override
    public boolean implies(Permission permission) {
        return true;
    }

    @Override
    public String getActions() {
        return "<all actions>";
    }

    @Override
    public PermissionCollection newPermissionCollection() {

    }
}
```java
private static final AllPermissions ALL_PERMISSIONS = new AllPermissions();

public static final class AllPermissionsCollection extends PermissionCollection {

    public AllPermissionsCollection() {
    }

    public AllPermissionsCollection(boolean all) {
        this.all = all;
    }

    @Override
    public void add(Permission permission) {
        if (permission instanceof AllPermissions) {
            all = true;
        }
    }

    @Override
    public boolean implies(Permission permission) {
        return all;
    }

    @Override
    public Enumeration<Permission> elements() {
        return new Enumeration<Permission>() {
            boolean more = all;

            @Override
            public boolean hasMoreElements() {
                return more;
            }

            @Override
            public Permission nextElement() {
                return new Permission();
            }
        };
    }

    @Override
    public int hashCode() {
        return 111;
    }

    @Override
    public String toString() {
        return "<allow all permissions>";
    }
}

public class PermissionCollection {

    public enum Rights {

        read,
        write,
        execute,
        all
    }

    public class AllPermissions {

        public static final class AllPermissionsCollection extends PermissionCollection {

            private boolean all;

            public AllPermissionsCollection() {
            }

            public AllPermissionsCollection(boolean all) {
                this.all = all;
            }

            @Override
            public void add(Permission permission) {
                if (permission instanceof AllPermissions) {
                    all = true;
                }
            }

            @Override
            public boolean implies(Permission permission) {
                return all;
            }

            @Override
            public Enumeration<Permission> elements() {
                return new Enumeration<Permission>() {
                    boolean more = all;

                    @Override
                    public boolean hasMoreElements() {
                        return more;
                    }

                    @Override
                    public Permission nextElement() {
                        return new Permission();
                    }
                };
            }

            @Override
            public int hashCode() {
                return 111;
            }

            @Override
            public String toString() {
                return "<allow all permissions>";
            }
        }
    }

    public class AllPermissionsCollection {

        private boolean all;

        public AllPermissionsCollection() {
        }

        public AllPermissionsCollection(boolean all) {
            this.all = all;
        }

        @Override
        public void add(Permission permission) {
            if (permission instanceof AllPermissions) {
                all = true;
            }
        }

        @Override
        public boolean implies(Permission permission) {
            return all;
        }

        @Override
        public Enumeration<Permission> elements() {
            return new Enumeration<Permission>() {
                boolean more = all;

                @Override
                public boolean hasMoreElements() {
                    return more;
                }

                @Override
                public Permission nextElement() {
                    return new Permission();
                }
            };
        }

        @Override
        public int hashCode() {
            return 111;
        }

        @Override
        public String toString() {
            return "<allow all permissions>";
        }
    }

    public class AllPermissions {

        public static final class AllPermissionsCollection extends PermissionCollection {

            private boolean all;

            public AllPermissionsCollection() {
            }

            public AllPermissionsCollection(boolean all) {
                this.all = all;
            }

            @Override
            public void add(Permission permission) {
                if (permission instanceof AllPermissions) {
                    all = true;
                }
            }

            @Override
            public boolean implies(Permission permission) {
                return all;
            }

            @Override
            public Enumeration<Permission> elements() {
                return new Enumeration<Permission>() {
                    boolean more = all;

                    @Override
                    public boolean hasMoreElements() {
                        return more;
                    }

                    @Override
                    public Permission nextElement() {
                        return new Permission();
                    }
                };
            }

            @Override
            public int hashCode() {
                return 111;
            }

            @Override
            public String toString() {
                return "<allow all permissions>";
            }
        }
    }

    public enum Rights {

        read,
        write,
        execute,
        all
    }

    public class AllPermissions {

        public static final class AllPermissionsCollection extends PermissionCollection {

            private boolean all;

            public AllPermissionsCollection() {
        ```
return more;
}

@Override
public Permission nextElement() {
    more = false;
    return ALL_PERMISSIONS;
};

@Override
public int hashCode() {
    return all ? 13 : -13;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    AllPermissionsCollection other = (AllPermissionsCollection) obj;
    return all == other.all;
}

@Override
public String toString() {
    return "<allow all permissions>";
}

1.477 netty-buffer 4.1.14

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1.478 libcap 2.25-1.2

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1.479 alpine-keys 2.1-r1

1.480 pax-web-spi 7.2.5
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1.484 free-type 2.8.1-2ubuntu2
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#
docs/FTL.TXT
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#
include/freetype/internal/fthash.h
#
src/base/fthash.c
src/base/md5.c
src/base/md5.h
#
src/bdf/bdf.c
src/bdf/bdf.h
src/bdf/bdfdrivr.c
src/bdf/bdfdrivr.h
src/bdf/bdferror.h
src/bdf/bdflib.c
src/bdf/module.mk
src/bdf/README
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#
src/pcf/module.mk
src/pcf/pcf.c
src/pcf/pcf.h
src/pcf/pcfdrivr.c
src/pcf/pcfdrivr.h
src/pcf/pcferror.h
src/pcf/pcfread.c
src/pcf/pcfread.h
src/pcf/pcfutil.c
src/pcf/pcfutil.h
src/pcf/README
src/pcf/rules.mk
#
src/gzip/adler32.c
src/gzip/infblock.c
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
#
src/tools/apinames.c
src/tools/ftrandom/ftrandom.c
#
# EOF

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jseward@bzip.org
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# Constant-time SSSE3 AES core implementation.
## version 0.1
## By Mike Hamburg (Stanford University), 2009
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1.487 googleapis-common-protos 0.0.3

1.488 libpipeline 1.5.0-1

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1.494 websocket-common 9.4.12.v20180830

1.495 apr-util 1.4.1

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1.498 apache-aries-jpa-eclipselink-adapter

2.7.0

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdbLog.c
lib/kdb/kdbLog.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c

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.. parsed-literal::

   lib/gssapi/generic/gssapi_err_generic.et
   lib/gssapi/mechglue/g_accept_sec_context.c
   lib/gssapi/mechglue/g_acquire_cred.c
   lib/gssapi/mechglue/g_canon_name.c
   lib/gssapi/mechglue/g_compare_name.c
   lib/gssapi/mechglue/g_context_time.c
   lib/gssapi/mechglue/g_delete_sec_context.c
   lib/gssapi/mechglue/g_dsp_name.c
   lib/gssapi/mechglue/g_dsp_status.c
   lib/gssapi/mechglue/g_dup_name.c
   lib/gssapi/mechglue/g_exp_sec_context.c
   lib/gssapi/mechglue/g_export_name.c
   lib/gssapi/mechglue/g_glue.c
   lib/gssapi/mechglue/g_imp_name.c
   lib/gssapi/mechglue/g_imp_sec_context.c
   lib/gssapi/mechglue/g_init_sec_context.c
   lib/gssapi/mechglue/g_initialize.c
   lib/gssapi/mechglue/g_inquire_context.c
   lib/gssapi/mechglue/g_inquire_cred.c
   lib/gssapi/mechglue/g_inquire_names.c
   lib/gssapi/mechglue/g_process_context.c
   lib/gssapi/mechglue/g_rel_buffer.c
   lib/gssapi/mechglue/g_rel_cred.c
   lib/gssapi/mechglue/g_rel_name.c
   lib/gssapi/mechglue/g_rel_oid_set.c
   lib/gssapi/mechglue/g_seal.c
and the initial implementation of incremental propagation, including
the following new or changed files:

.. parsed-literal::

    include/iprop_hdr.h
    kadmin/server/ipropd_svc.c
    lib/kdb/iprop.x
    lib/kdb/kdb_convert.c
    lib/kdb/kdb_log.c
    lib/kdb/kdb_log.h
    lib/krb5/error_tables/kdb5_err.et
    kprop/kpropd_rpc.c
    kprop/kproplog.c

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- <code class="docutils literal"><span class="pre">lib/gssapi/mechglue/g_accept_sec_context</span></code>
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- <code class="docutils literal"><span class="pre">lib/gssapi/mechglue/g_exp_sec_context</span></code>
- <code class="docutils literal"><span class="pre">lib/gssapi/mechglue/g_export_name</span></code>
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lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
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lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
and the initial implementation of incremental propagation, including
the following new or changed files:

```<span class="highlight-default"><pre><span class="n">include</span><span class="o"></span><span class="n">iprop_hdr</span><span class="o">
</span><span class="n">kadmin</span><span class="o"></span><span class="n">server</span><span class="o"></span><span class="n">ipropd_svc</span><span class="o">
</span><span class="n">lib</span><span class="o"></span><span class="n">kdb</span><span class="o"></span><span class="n">iprop</span><span class="o">
</span><span class="n">lib</span><span class="o"></span><span class="n">kdb</span><span class="o"></span><span class="n">kdb_convert</span><span class="o">
</span><span class="n">lib</span><span class="o"></span><span class="n">kdb</span><span class="o"></span><span class="n">kdb_log</span><span class="o">
</span><span class="n">lib</span><span class="o"></span><span class="n">krb5</span><span class="o"></span><span class="n">error_tables</span><span class="o">
</span><span class="n">kprop</span><span class="o"></span><span class="n">kpropd_rpc</span><span class="o"></pre></span>```
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lib/libgss/g_utils.c
lib/libgss/g_verify.c
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import sys
import re

def warn(fname, ln, msg):
    print '%s: %d: %s' % (fname, ln + 1, msg)

def indicates_license(line):
    return 'Copyright' in line or 'COPYRIGHT' in line or 'License' in line

# Check a comment for boilerplate violations. Return true if the comment
# is a license statement.
def check_comment(comment, fname, ln, code_seen, nonlicense_seen):
    text_seen = False
    is_license = False
    for line in comment:
        if not is_license and indicates_license(line):
            is_license = True
        if text_seen:
            warn(fname, ln, 'License begins after first line of comment')
        elif code_seen:
            warn(fname, ln, 'License after code')
        elif nonlicense_seen:
            warn(fname, ln, 'License after non-license comments')
            break
    # DB2 licenses start with '/*- ' and we don't want to change them.
    if line != '' and line != '-':
        text_seen = True
    return is_license

def check_file(lines, fname):
    # Skip emacs mode line if present.
    ln = 0
    if '-*- mode: c;' in lines[ln]:
        ln += 1
    # Check filename comment if present.
    m = re.match(r'/* ([^ ]*)( - .*)? */', lines[ln])
    if m:
        if m.group(1) != fname:
            warn(fname, ln, 'Wrong filename in comment')
        ln += 1
    # Scan for license statements.
    in_comment = False
    code_seen = False
    nonlicense_seen = False
    for line in lines[ln:]:
        # Strip out whitespace and comments contained within a line.
        if not in_comment:
            line = re.sub(r'\s+\*\*/', '', line)
            line = line.strip()
        if in_comment and '*/' not in line:
            (line, sep, comment_part) = line.partition('/**')
            comment = [comment_part.strip()]
            comment_starts_at = ln
            in_comment = True
            if not in_comment and '/*' in line:
                (line, sep, comment_part) = line.partition('/*')
                comment = [comment_part.strip()]
                comment_starts_at = ln
                in_comment = True
                if in_comment and '*/' not in line:
comment.append(line.lstrip('').lstrip())
elif in_comment:
    (comment_part, sep, line) = line.partition('*/')
    comment.append(comment_part.strip())
    is_license = check_comment(comment, fname, comment_starts_at,
                               code_seen, nonlicense_seen)
    nonlicense_seen = nonlicense_seen or not is_license
    in_comment = False
elif line.strip() != '':
    code_seen = True
    ln += 1

for fname in sys.argv[1:]:
    if fname.startswith('./ '):
        fname = fname[2:]
    f = open(fname)
    lines = f.readlines()
    f.close()
    check_file(lines, fname)

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1.510 cas-server-support-pm-webflow 5.2.0

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1.514 debianutils 4.8.6.1

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1.516 asm 2.2.0

1.517 assertions 2.0

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1.527 cas-server-core-authentication-attributes 5.2.0

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1.537 perl 5.28.1 6
1.537.1 Available under license :

#!/perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.
Optionally you can pass the `--now` option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) {
  skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now') {
  my $current_year = (gmtime)[5] + 1900;
  is $v_year, $current_year, 'perl -v copyright includes current year';
  is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else {
  is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
  # returns the latest copyright year from the top-level README file
  {
    open my $readme, '<', '../README' or die "Opening README failed: $!";
    # The copyright message is the first paragraph:
    local $/ = "
    my $copyright_msg = <$readme>;
    my ($year) = $copyright_msg =~ /.*\b\d{4,}/s

or die "Year not found in README copyright message \"$copyright_msg\";"

$year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{

my $output = runperl switches => ['-v'];
my ($year) = $output =~ /copyright 1987.*\b\d{4,}/i
  or die "Copyright statement not found in perl -v output \"$output\";"

$year;
}
---
abstract: 'Build and install Perl modules'
author:
  - 'Ken Williams <kwilliams@cpan.org>'
  - "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>.'
built_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
  license: http://dev.perl.org/licenses/
  repository: http://github.com/dagolden/module-build/
  version: 3

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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1.553 tre 1.1.22-r2

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1.554 jackson 2.9.6

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1.556 gcc-defaults 7.4.0 1ubuntu2.3

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/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using
underscores, we are using prefix "."s to identify labels that should
be ignored, as in `i386/gas.h' --karl@cs.umb.edu */
#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS */
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line that says to advance the location counter by SIZE bytes. */
#define ASM_OUTPUT_SKIP(FILE,SIZE)  
  fprintf (FILE, \"t.space " HOST_WIDE_INT_PRINT_UNSIGNED\"n\", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line to define a global common symbol. */
#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED)  
  ( fputs (\".comm \", (FILE)),
    assemble_name ((FILE), (NAME)),
    fprintf ((FILE), \",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line to define a local common symbol. */
#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)  
  ( fputs (\".lcomm \", (FILE)),
    assemble_name ((FILE), (NAME)),
    fprintf ((FILE), \",%u\n", (int)(ROUNDED)))

#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  
  ( fputs (\".lcomm \", (FILE)),
    assemble_name ((FILE), (NAME)),
    fprintf ((FILE), \",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))

#endif

/* This is how to output an assembler line that says to advance the location counter
to a multiple of $2^{\log}$ bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG)\  
if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF 
the symbol_ref name of an internal numbered label where 
PREFIX is the class of label and NUM is the number within the class.
This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)\  
sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "_

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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#!/usr/bin/python
#
# Copyright (C) 2013-2017 Free Software Foundation, Inc.
#
# This script is free software; you can redistribute it and/or modify
# it under the terms of the GNU General Public License as published by
# the Free Software Foundation; either version 3, or (at your option)
# any later version.
This script adjusts the copyright notices at the top of source files
so that they have the form:

Copyright XXXX-YYYY Free Software Foundation, Inc.

It doesn't change code that is known to be maintained elsewhere or
that carries a non-FSF copyright.

The script also doesn't change testsuite files, except those in
libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
while most tests in other directories are just things that failed at some
point in the past.

Pass --this-year to the script if you want it to add the current year
to all applicable notices. Pass --quilt if you are using quilt and
want files to be added to the quilt before being changed.

By default the script will update all directories for which the
output has been vetted. You can instead pass the names of individual
directories, including those that haven't been approved. So:

    update-copyright.py --this-year

is the command that would be used at the beginning of a year to update
all copyright notices (and possibly at other times to check whether
new files have been added with old years). On the other hand:

    update-copyright.py --this-year libitm

would run the script on just libitm/.

Note that things like --version output strings must be updated before
this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__ (self):
        self.num_errors = 0

    def report (self, filename, string):
        if filename:
            string = filename + ':' + string
sys.stderr.write (string + "\n")
self.num_errors += 1

def ok (self):
    return self.num_errors == 0

class GenericFilter:
    def __init__ (self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set ([
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
            'idl.texi',
            'gpl_v3.texi',
            'idl-1.3.xml',
            'gpl-3.0.xml',

            # Skip auto- and libtool-related files
            'aclocal.m4',
            'compile',
            'config.guess',
            'config.sub',
            'depcomp',
            'install-sh',
            'libtool.m4',
            'ltmain.sh',
            'ltoptions.m4',
            'ltstubs.m4',
            'ltversion.m4',
            'lt--obsolete.m4',
            'missing',
            'mkdep',
            'mkinstalldirs',
            'move-if-change',
            'shlibpath.m4',
            'symlink-tree',
            'ylwrap',

            # Skip FSF mission statement, etc.
def get_line_filter(self, dir, filename):
    if filename.startswith('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile(r't')
    return None

def skip_file(self, dir, filename):
    if filename in self.skip_files:
        return True
    (base, extension) = os.path.splitext(os.path.join(dir, filename))
    if extension in self.skip_extensions:
        return True
    if extension == '.in':
        # Skip .in files produced by automake.
        if os.path.exists(base + '.am'):
            return True
    # Skip files produced by autogen
    if (os.path.exists(base + '.def')
        and os.path.exists(base + '.tpl')):
        return True
    # Skip configure files produced by autoconf
    if filename == 'configure':
        if os.path.exists(base + '.ac'):
            return True
        if os.path.exists(base + '.in'):
            return True
    return False

def skip_dir(self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file(self, dir, filename):
    if filename in self.fossilised_files:
return True
# Only touch current current ChangeLogs.
if filename != 'ChangeLog' and filename.find('ChangeLog') >= 0:
    return True
return False

def by_package_author(self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__(self, errors):
        self.errors = errors

        # Characters in a range of years. Include ‘.’ for typos.
        ranges = '\[0-9\](?:[-0-9,.,\s]+and\s+)*[0-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '\[\w.,-\]

        # Matches one year.
        self.year_re = re.compile('[0-9]+')

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile(ranges + '|' + name)

        # Matches a full copyright notice:
        self.copyright_re = re.compile (r'(Copyright \(C\))\b|(Cop\b|Copyright )\b|(Copyright \(C\)\b |Copyright \(C\) \b
                      |[Cc]opyright\b |(Cc)opyrights+\b(Cc)\b |(Cc)opyrights+\%s
                      |[Cc]opyrights+\&copy;\b |(Cc)opyrights+\@copyright\b |(Cc)opyrights+\@copyright{}\b
                      |copyright = u'' |('@set\b\b(s+)?\b(copyright\b |w-])'\b'
                      # 2: the years. Include the whitespace in the year, so that
                      # we can remove any excess.
                      |@value\{[^{]*\}\b\s+|(\s*\?:\b + ranges + \:.?\b
                      |@value\{[^{]*\}\b\s+
                      # 3: 'by ', if used
                      |'(by\s+)'\b
                      # 4: the copyright holder. Don't allow multiple consecutive
                      # spaces, so that right-margin gloss doesn't get caught
                      # (e.g. gnat_ugn.texi).
                      |'(\s*\?:\b + name + \(?\s*\?\b + name + \])*\b')
# A regexp for notices that might have slipped by. Just matching
# 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
# HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile('copyright.*[0-9][0-9]
    re.IGNORECASE)
self.comment_re = re.compile('#+|[*]+|;+|%+//+@copying
self.holders = { '@copying': '@copying' }
self.holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ',', '.
self.separator = ','

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find (',
    while index >= 0:
        self.holder_prefixes.add (holder[:index])
        index = holder.find (',', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

def parse_year (self, string):
    year = int (string)
    if len (string) == 2:
        if year > 70:
            return year + 1900
    elif len (string) == 4:
        return year
    raise self.BadYear (string)

def year_range (self, years):

year_list = [self.parse_year (year)  
            for year in self.year_re.findall (years)]
assert len (year_list) > 0
return (min (year_list), max (year_list))

def set_use_quilt (self, use_quilt):
    self.use_quilt = use_quilt

def include_year (self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years (self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith ('@value':)
        return years
    (min_year, max_year) = self.year_range (years)

    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file (dir, filename):
        max_year = max (max_year, self.max_year)

    # Use a range.
    if min_year == max_year:
        return '%d' % min_year
    else:
        return '%d-%d' % (min_year, max_year)

def strip_continuation (self, line):
    line = line.lstrip()
    match = self.comment_re.match (line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete (self, match):
    holder = match.group (4)
    return (holder
            and (holder not in self.holder_prefixes
                 or holder in self.holders))

def update_copyright (self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join (dir, filename)

    intro = match.group (1)
if intro.startswith('@set'):
    # Texinfo year variables should always be on one line
    after_years = line[match.end(2):].strip()
    if after_years != ':
        self.errors.report(pathname,
                'trailing characters in @set: ' + after_years)
        return (False, orig_line, next_line)
    else:
        # If it looks like the copyright is incomplete, add the next line.
        while not self.is_complete(match):
            try:
                next_line = file.next()
            except StopIteration:
                break
            # If the next line doesn't look like a proper continuation,
            # assume that what we've got is complete.
            continuation = self.strip_continuation(next_line)
            if not self.continuation_re.match(continuation):
                break
            # Merge the lines for matching purposes.
            orig_line += next_line
            line = line.rstrip() + ' ' + continuation
            next_line = None
        # Rematch with the longer line, at the original position.
        match = self.copyright_re.match(line, match.start())
        assert match
        holder = match.group(4)
    # Use the filter to test cases where markup is getting in the way.
    if filter.by_package_author(dir, filename):
        assert holder not in self.holders
    elif not holder:
        self.errors.report(pathname, 'missing copyright holder')
        return (False, orig_line, next_line)
    elif holder not in self.holders:
        self.errors.report(pathname,
                'unrecognised copyright holder: ' + holder)
        return (False, orig_line, next_line)
    else:
        # See whether the copyright is associated with the package
# author.
canon_form = self.holders[holder]
if not canonic_form:
    return (False, orig_line, next_line)

# Make sure the author is given in a consistent way.
line = (line[:match.start(4)]
        + canon_form
        + line[match.end(4):])

# Remove any 'by'
line = line[:match.start(3)] + line[match.end(3):]

# Update the copyright years.
years = match.group(2).strip()
try:
    canon_form = self.canonicalise_years(dir, filename, filter, years)
except self.BadYear as e:
    self.errors.report(pathname, str(e))
    return (False, orig_line, next_line)

line = (line[:match.start(2)]
        + ('' if intro.startswith('copyright = ') else ' ')
        + canon_form + self.separator
        + line[match.end(2):])

# Use the standard (C) form.
if intro.endswith('right'):
    intro += ' (C)'
elif intro.endswith('c)'):
    intro = intro[:-3] + '(C)'
line = line[:match.start(1)] + intro + line[match.end(1):]

# Strip trailing whitespace
line = line.rstrip() + '\n'
return (line != orig_line, line, next_line)

def process_file(self, dir, filename, filter):
    pathname = os.path.join(dir, filename)
    if filename.endswith('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove(pathname)
        except OSError:
            pass
        return
lines = []
changed = False
line_filter = filter.get_line_filter (dir, filename)
mode = None
with open (pathname, 'r') as file:
    prev = None
    mode = os.fstat (file.fileno()).st_mode
    for line in file:
        while line:
            next_line = None
            # Leave filtered-out lines alone.
            if not (line_filter and line_filter.match (line)):
                match = self.copyright_re.search (line)
                if match:
                    res = self.update_copyright (dir, filename, filter, file, line, match)
                    (this_changed, line, next_line) = res
                    changed = changed or this_changed

            # Check for copyright lines that might have slipped by.
            elif self.other_copyright_re.search (line):
                self.errors.report (pathname,
                                   'unrecognised copyright: %s'
                                   % line.strip())
                lines.append (line)
                line = next_line

            # If something changed, write the new file out.
            if changed and self.errors.ok():
                tmp_pathname = pathname + '.tmp'
                with open (tmp_pathname, 'w') as file:
                    for line in lines:
                        file.write (line)
                os.fchmod (file.fileno(), mode)
            if self.use_quilt:
                subprocess.call (["quilt", 'add', pathname])
            os.rename (tmp_pathname, pathname)

    def process_tree (self, tree, filter):
        for (dir, subdirs, filenames) in os.walk (tree):
            # Don't recurse through directories that should be skipped.
            for i in xrange (len (subdirs) - 1, -1, -1):
                if filter.skip_dir (dir, subdirs[i]):
                    del subdirs[i]

            # Handle the files in this directory.
            for filename in filenames:
                if filter.skip_file (dir, filename):

        # If something changed, write the new file out.
        if changed and self.errors.ok():
            tmp_pathname = pathname + '.tmp'
            with open (tmp_pathname, 'w') as file:
                for line in lines:
                    file.write (line)
            os.fchmod (file.fileno(), mode)
            if self.use_quilt:
                subprocess.call (["quilt", 'add', pathname])
            os.rename (tmp_pathname, pathname)
sys.stdout.write('Skipping %s
% os.path.join (dir, filename))
else:
    self.process_file (dir, filename, filter)

class CmdLine:
def __init__ (self, copyright = Copyright):
    self.errors = Errors()
    self.copyright = copyright (self.errors)
    self.dirs = []
    self.default_dirs = []
    self.chosen_dirs = []
    self.option_handlers = dict()
    self.option_help = []

    self.add_option ('--help', 'Print this help', self.o_help)
    self.add_option ('--quilt', '"quilt add" files before changing them',
    self.o_quilt)
    self.add_option ('--this-year', 'Add the current year to every notice',
    self.o_this_year)

def add_option (self, name, help, handler):
    self.option_help.append ((name, help))
    self.option_handlers[name] = handler

def add_dir (self, dir, filter = GenericFilter()):
    self.dirs.append ((dir, filter))

def o_help (self, option = None):
    sys.stdout.write ('Usage: %s [options] dir1 dir2...

    Options:
% sys.argv[0])
    format = '%-15s %s
' for (what, help) in self.option_help:
        sys.stdout.write (format % (what, help))
    sys.stdout.write ('\nDirectories:
% uDirectories:u')
    format = '%-25s'
i = 0
for (dir, filter) in self.dirs:
    i += 1
    if i % 3 == 0 or i == len (self.dirs):
        sys.stdout.write (dir + '\n')
    else:
        sys.stdout.write (format % dir)
sys.exit (0)

def o_quilt (self, option):
    self.copyright.set_use_quilt (True)
def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1::]
        if arg[1:] != '-':
            self.chosen_dirs.append (arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg] (arg)
        else:
            self.errors.report (None, 'unrecognised option: ' + arg)
    if self.errors.ok():
        if len (self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs
            if len (self.chosen_dirs) == 0:
                self.o_help()
        else:
            for chosen_dir in self.chosen_dirs:
                canon_dir = os.path.join (chosen_dir, '')
                count = 0
                for (dir, filter) in self.dirs:
                    if (dir + os.sep).startswith (canon_dir):
                        count += 1
                        self.copyright.process_tree (dir, filter)
                if count == 0:
                    self.errors.report (None, 'unrecognised directory: ' + chosen_dir)
                    sys.exit (0 if self.errors.ok() else 1)

#--------------------------------------------------------------------------------------

class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
            with open (pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find ('gettext-') >= 0:
                    return True
            return GenericFilter.skip_file (self, dir, filename)

        return True

return GenericFilter.skip_file (self, dir, filename)
class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set (
            # Not part of GCC
            ['math-68881.h',
             ]
        )

        self.skip_dirs |= set (
            # Better not create a merge nightmare for the GNAT folks.
            ['ada',
             ]
            # Handled separately.
            ['testsuite',
             ]
        )

        self.skip_extensions |= set (
            # Maintained by the translation project.
            ['.po',
            ]
            # Automatically-generated.
            ['.pot',
            ]
        )

        self.fossilised_files |= set (
            # Old news won't be updated.
            ['ONEWS',
             ]
        )

class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set (
            # Don't change the tests, which could be woend by anyone.
            ['.c',
            '.C',
            '.cc',
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.go',
            '.inc',
            '.java',
            ]
        )
def skip_file (self, dir, filename):
    # g++.niklas/README contains historical copyright information
    # and isn't updated.
    if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
        return True
    # Similarly params/README.
    if filename == 'README' and os.path.basename (dir) == 'params':
        return True
    return GenericFilter.skip_file (self, dir, filename)

class LibCppFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set ({
            # Maintained by the translation project.
            '.po',
            # Automatically-generated.
            '.pot',
        })

class LibGCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ({
            # Imported from GLIBC.
            'soft-fp',
        })

class LibStdCxxFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set ({
            # Contains no copyright of its own, but quotes the GPL.
            'intro.xml',
        })

        self.skip_dirs |= set ({
            # Contains automatically-generated sources.
            'html',
            # The testsuite data files shouldn't be changed.
            'data',
        })
# Contains imported images
'images',
])

self.own_files |= set([
    # Contains markup around the copyright owner.
    'spine.xml',
])

def get_line_filter(self, dir, filename):
    if filename == 'boost_concept_check.h':
        return re.compile('// (C) Copyright Jeremy Siek')
    return GenericFilter.get_line_filter(self, dir, filename)

class GCCCopyright(Copyright):
    def __init__(self, errors):
        Copyright.__init__(self, errors)
        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author('Free Software Foundation', canon_fsf)
        self.add_package_author('Free Software Foundation.', canon_fsf)
        self.add_package_author('Free Software Foundation Inc.', canon_fsf)
        self.add_package_author('Free Software Foundation, Inc', canon_fsf)
        self.add_package_author('Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author('The Free Software Foundation', canon_fsf)
        self.add_package_author('The Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author('Software Foundation, Inc.', canon_fsf)
        self.add_external_author('ARM')
        self.add_external_author('AdaCore')
        self.add_external_author('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
        self.add_external_author('Cavium Networks.')
        self.add_external_author('Faraday Technology Corp.')
        self.add_external_author('Florida State University')
        self.add_external_author('Greg Colvin and Beman Dawes.')
        self.add_external_author('Hewlett-Packard Company')
        self.add_external_author('Intel Corporation')
        self.add_external_author('Information Technology Industry Council.')
        self.add_external_author('James Theiler, Brian Gough')
        self.add_external_author('Makoto Matsumoto and Takuji Nishimura,')
        self.add_external_author('National Research Council of Canada.')
        self.add_external_author('NVIDIA Corporation')
        self.add_external_author('Peter Dimov and Multi Media Ltd.')
        self.add_external_author('Peter Dimov')
        self.add_external_author('Pipeline Associates, Inc.')
        self.add_external_author('Regents of the University of California.')
        self.add_external_author('Silicon Graphics Computer Systems, Inc.')
        self.add_external_author('Silicon Graphics')
class GCCCmdLine (CmdLine):
    def __init__ (self):
        CmdLine.__init__ (self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir ('fixincludes')
        self.add_dir ('gcc', GCCFilter())
        self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir ('gnatools')
        self.add_dir ('gotools')
        self.add_dir ('include')
        # intl is imported from upstream.
        self.add_dir ('libada')
        self.add_dir ('libatomic')
        self.add_dir ('libbacktrace')
        self.add_dir ('libccl')
        # libcilkrt is imported from upstream.
        self.add_dir ('libcpp', LibCppFilter())
        self.add_dir ('libdecnumber')
        # libffi is imported from upstream.
        self.add_dir ('libgcc', LibGCCFilter())
        self.add_dir ('libgfortran')
        # libgo is imported from upstream.
        self.add_dir ('libgomp')
        self.add_dir ('libhsail-rt')
        self.add_dir ('libiberty')
        self.add_dir ('libitm')
        self.add_dir ('libobjc')
        # liboffloadmic is imported from upstream.
        self.add_dir ('libquadmath')
        # libsanitizer is imported from upstream.
        self.add_dir ('libssp')
        self.add_dir ('libstdc++-v3', LibStdCxxFilter())
        self.add_dir ('libvtv')
        self.add_dir ('lto-plugin')
        # maintainer-scripts maintainer-scripts
# zlib is imported from upstream.

```python
default_dirs = [
    'gcc',
    'include',
    'libada',
    'libatomic',
    'libbacktrace',
    'libgcc',
    'libcpp',
    'libdecmumber',
    'libgcc',
    'libgfortran',
    'libgomp',
    'librt',
    'librt',
    'libitm',
    'libobjc',
    'libssp',
    'libstdc++-v3',
    'libvrt',
    'ito-plugin',
]
```

GCCCmdLine().main()

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========

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010
\*\pi gives pi, \*\(L\) double quote, and \*\(R\) right double quote. \*\(C+\) will give a nicer C++. Capital omega is used to do unbreakable dashes and therefore won't be available. \*\(C\)' and \*\(C\)' expand to `'' in nroff, \*\(C\) nothing in troff, for use with C<>.

\texttt{.tr \(*W-}
\texttt{.ds C+ C\*-.1v'\*h'-1p\*s-2+\*h'-1p\*s0\*v'\*h'-1p'}
\texttt{.le n \{}
\texttt{. ds -- \(*W-}
\texttt{. ds PI pi}
\texttt{. if \(\(\text{n\(H\)=4u}\&\text{(1m\=24u})\ .ds -- \(*W\h'-12u\)/(*W\h'-12u\)/\" diablo 10 pitch}
\texttt{. if \(\(\text{n\(H\)=4u}\&\text{(1m\=20u})\ .ds -- \(*W\h'-12u\)/(*W\h'-8u\)/\" diablo 12 pitch}
\texttt{. ds L" "}
\texttt{. ds R" "}
\texttt{. ds C" "}
\texttt{. ds C" "}
\texttt{\}br\}
\texttt{.ef}\}
\texttt{. ds -- }\texttt{|}(em|}
\texttt{. ds PI }\texttt{*p}
\texttt{. ds L" "}
\texttt{. ds R" "}
\texttt{. ds C}
\texttt{. ds C" "}
\texttt{\}br\}
\texttt{A"}
\texttt{A" Escape single quotes in literal strings from groff's Unicode transform.}
\texttt{.ie \n(\g .ds Aq \{aq}
\texttt{.el .ds Aq \}}
\texttt{.A"}
\texttt{A" If the F register is turned on, we'll generate index entries on stderr for}
\texttt{A" titles (.TH), headers (.SH), subsections (.SS), items (.Ip), and index}
\texttt{A" entries marked with X<< in POD. Of course, you'll have to process the}
\texttt{A" output yourself in some meaningful fashion.}
\texttt{A"}
\texttt{A" Avoid warning from groff about undefined register 'F'.}
\texttt{.de IX}
\texttt{.nr rF 0}
\texttt{.if \n(\g .if rF .nr rF 1}
\texttt{.if \n(rF:\n(\g==0)) }\{|}
\texttt{. if \nF }\{|}
\texttt{. de IX}
\texttt{. tm Index:\n$1\\n%t"\n$2"}
\texttt{.i}
\texttt{. if !\nF==2 }\{|}
\texttt{. nr % 0}
\texttt{. nr F 2}
Accent mark definitions (@(#)ms.acc 1.5 88/02/08 SMI; from UCB 4.2).

Fear. Run. Save yourself. No user-serviceable parts.

fudge factors for nroff and troff

if n \{
    ds #H 0
    ds #V .8m
    ds #F .3m
    ds #[ \f1
    ds #] \fP
\}

if t \{
    ds #H ((1u-(\\n(.fu%2u))-*.13m)
    ds #V .6m
    ds #F 0
    ds #] \&
    ds #] \&
\}

simple accents for nroff and troff

if n \{
    ds ` \&
    ds ` \&
    ds ^ \&
    ds , \&
    ds ~ ~
    ds /
\}

troff and (daisy-wheel) nroff accents

if t \{
    ds ` \{\h'-(\n(.wu*8/10)-(\n(#H)\h')\n:u'
    ds ` \{\h'-(\n(.wu*8/10)-(\n(#H)\h')\n:u'
    ds , \{\h'-(\n(.wu*8/10)-(\n(#H)\h')\n:u'
    ds ~ \{\h'-(\n(.wu*8/10)-(\n(#H)\h')\n:u'
    ds / \{\h'-(\n(.wu*8/10)-(\n(#H)\h')\n:u'
\}

troff and (daisy-wheel) nroff accents

if \{
    ds ` \{\h'-(\n(.wu*8/10)-(\n(#H)\h')\n:u'
    ds ` \{\h'-(\n(.wu*8/10)-(\n(#H)\h')\n:u'
    ds , \{\h'-(\n(.wu*8/10)-(\n(#H)\h')\n:u'
    ds ~ \{\h'-(\n(.wu*8/10)-(\n(#H)\h')\n:u'
    ds / \{\h'-(\n(.wu*8/10)-(\n(#H)\h')\n:u'
\}
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. RS 4
. IP "a." 4
. IX Item "a."

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. IX Item "b."

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. IP "c." 4
. IX Item "c."

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. IP "d." 4
. IX Item "d."

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.RE
.RS 4
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.RS 4
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SEE ALSO

gfdl(7), sf-funding(7).

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1.558 rfc6536-model-api 2.1.11

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1.560 j2objc-annotations 1.3

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file name: UBiDiProps.java
encoding: US-ASCII
tab size: 8 (not used)
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<code>Replaceable</code> is an interface representing a string of characters that supports the replacement of a range of itself with a new string of characters. It is used by APIs that
change a piece of text while retaining metadata. Metadata is data other than the Unicode characters returned by char32At(). One example of metadata is style attributes; another is an edit history, marking each character with an author and revision number.

<p>An implicit aspect of the <code>Replaceable</code> API is that during a replace operation, new characters take on the metadata of the old characters. For example, if the string "the <b>bold</b> font" has range (4, 8) replaced with "strong", then it becomes "the <b>strong</b> font".

<p><code>Replaceable</code> specifies ranges using a start offset and a limit offset. The range of characters thus specified includes the characters at offset start..limit-1. That is, the start offset is inclusive, and the limit offset is exclusive.

<p><code>Replaceable</code> also includes API to access characters in the string: <code>length()</code>, <code>charAt()</code>, <code>char32At()</code>, and <code>extractBetween()</code>. For a subclass to support metadata, typical behavior of <code>replace()</code> is the following:

<ul>
  <li>Set the metadata of the new text to the metadata of the first character replaced</li>
  <li>If no characters are replaced, use the metadata of the previous character</li>
  <li>If there is no previous character (i.e. start == 0), use the following character</li>
  <li>If there is no following character (i.e. the replaceable was empty), use default metadata</li>
  <li>If the code point U+FFFF is seen, it should be interpreted as a special marker having no metadata</li>
</ul>

If this is not the behavior, the subclass should document any differences.

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@author Alan Liu
@stable ICU 2.0

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<code>ReplaceableString</code> is an adapter class that implements the <code>Replaceable</code> API around an ordinary <code>StringBuffer</code>.

<p><em>Note:</em> This class does not support attributes and is not
intended for general use. Most clients will need to implement
[@link Replaceable] in their text representation class.

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@see Replaceable
@author Alan Liu
@stable ICU 2.0

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 */
package java.security;

import java.io.Serializable;

/**
 * Legacy security code; do not use.
 */
public abstract class Permission implements Guard, Serializable {
    public Permission(String name) {
    }

    public final String getName() {
        return null;
    }

    public void checkGuard(Object obj) throws SecurityException {
    }

    public PermissionCollection newPermissionCollection() {
        return new AllPermissionCollection();
    }

    public abstract String getActions();

    public abstract boolean implies(Permission permission);
}

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1.582 eclipse 3.103.1.v20140903 1938

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2000-05-05

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

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

private String fText;

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

/* non Java-doc
 * @see TextEdit#doCopy
 */
protected TextEdit doCopy() {
    return new CopyingRangeMarker(this);
}
protected void accept0(TextEditVisitor visitor) {
    boolean visitChildren = visitor.visit(this);
    if (visitChildren) {
        acceptChildren(visitor);
    }
}

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

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

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1.586 javax-persistence-api 2.2

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1.590 pax-jdbc-jtds 1.3.1

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1.594 thymeleaf-expression-processor 1.1.3

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1.599 insserv 1.18.0-2
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1.600 py-pip 18.1 r0

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History
-------

Before (and including) argparse 1.1, the argparse package was licensed under Apache License v2.0.

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Contributors
------------
- Chris McDonough, 2011/02/16
- Wichert Akkerman, 2012/02/02

A. HISTORY OF THE SOFTWARE
============================

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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1.610 ncurses 6.0+20161126 1+deb9u2

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1.621 commons-lang3 3.8

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1.630 apache-karaf-instance-core 4.2.2

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1.631 python 2.7.15 r1

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl/) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us/) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation; see http://www.zope.com/). In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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The `random` module includes code based on a download from
http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html. The following are
the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
or init_by_array(init_key, key_length).

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Any feedback is very welcome.
http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html
e-mail: m-mat @ math.sci.hiroshima-u.ac.jp (remove space)

Sockets
-------


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

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
  between ascii and binary. This results in a 1000-fold speedup. The C
  version is still 5 times faster, though.
- Arguments more compliant with Python standard

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

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test_epoll
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-------------

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-------

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Original location:
Solution inspired by code from:

- Samuel Neves (supercop/crypto_auth/siphash24/little)
- djb (supercop/crypto_auth/siphash24/little2)
- Jean-Philippe Aumasson (https://131002.net/siphash/siphash24.c)

strtod and dtoa

The file :file:`Python/dtoa.c`, which supplies C functions dtoa and strtod for conversion of C doubles to and from strings, is derived from the file of the same name by David M. Gay, currently available from http://www.netlib.org/fp/. The original file, as retrieved on March 16, 2009, contains the following copyright and licensing notice::

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-------

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

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<thead>
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<th>Year</th>
<th>Owner</th>
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<td>1995-1999</td>
<td>CNRI</td>
<td>yes</td>
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1.646 spring-kafka 2.2.11

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1.647 zlib 4.15.0-88.88

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1.648 jackson-databind 2.3.3

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1.662 json-java 20131018

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*$Id: ftp_var.h,v 1.12 1999/10/02 18:39:17 dholland Exp $
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* /opt/ws_local/PERMITS_SQL/1016069576_1591376561.33/0/netkit-ftp-0-17-orig-tar-gz/netkit-ftp-0.17/ftp/cmds.c
* /opt/ws_local/PERMITS_SQL/1016069576_1591376561.33/0/netkit-ftp-0-17-orig-tar-gz/netkit-ftp-0.17/ftp/cmdtab.c

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1.678 spring-security-crypto 5.1.7

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A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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$Id: LICENSE 646333 2008-04-09 13:27:37Z chirino $

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-- activemq-web
========================================================================
== For the behaviour.js library                                     ==
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2001-12-12  

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 */
Clean up blobs, clobs and the local configuration.

BLOBS and CLOBS

[#1326] This is necessary in those dialects that have long-lived temporary lob objects, which can cause memory leaks in certain contexts, where the lobs' underlying session / connection is long-lived as well. Specifically, Oracle and ojdbc have some trouble when streaming temporary lobs to UDTs:

- The lob cannot have a call-scoped life time with UDTs
- Freeing the lob after binding will cause an ORA-22275
- Not freeing the lob after execution will cause an OutOfMemoryError

Local configuration

[#1344] There exist some corner-cases regarding the SQLOutput API, used for UDT serialisation / deserialisation, which have no elegant solutions of obtaining a Configuration and thus a JDBC
* { @link Connection} object short of:
* <ul>
* <li>Making assumptions about the JDBC driver and using proprietary API,
* e.g. that of ojdbc</li>
* <li>Dealing with this problem globally by using such a local configuration</li>
* </ul>
*
* @see <a href="http://stackoverflow.com/q/11439543/521799">http://stackoverflow.com/q/11439543/521799</a>
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/impl/DefaultExecuteContext.java

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* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/BetweenAndStep8.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/impl/ArrayConstant.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/WindowFromFirstLastStep.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/impl/DefaultBindingGetResultSetContext.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/TransactionListener.java
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* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/impl/DateToLocalDateConverter.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/impl/Val.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/tools/JooqLogger.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/impl/ParsingStatement.java
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* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/Dual.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/impl/InsertImpl.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/impl/WrappedList.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/impl/Alias.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/UpdateFromStep.java
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* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/impl/ResultSetContext.java

* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/impl/CustomField.java
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* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/ConstraintForeignKeyReferencesStep18.java
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* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/WithAsStep6.java
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* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/CreateIndexFinalStep.java
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* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/BetweenAndStep17.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/DerivedColumnList22.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/impl/Translate.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/impl/DiagnosticsResultSet.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/DeleteFinalStep.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/WindowFinalStep.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/LoaderRowListener.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/RecordListener.java
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* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/BindingGetResultSetContext.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/CreateSequenceFinalStep.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/impl/CatalogMetaImpl.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/util/hsqldb/HSQLDBDataType.java

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* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/SQLTable.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/InsertValuesStep15.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/DerivedColumnList11.java
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* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/DefaultBindingSQLContext.java
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* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/MergeKeyStep20.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/AbstractStoreQuery.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/ArrayDataType.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/SelectSeekStep6.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/Row4.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/Row10.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/TableOnConditionStep.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/ParameterImpl.java
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* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/exception/MockFileDatabaseException.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/impl/DefaultDSLContext.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/SelectLimitPercentAfterOffsetStep.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources.jar/org/jooq/Record.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/impl/TruncateImpl.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/WithAsStep4.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/ConstraintForeignKeyReferencesStep11.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources.jar/org/jooq/DropTableFinalStep.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources.jar/org/jooq/Record10.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources.jar/org/jooq/impl/ResultsImpl.java
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources.jar/org/jooq/Explain.java
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* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources.jar/org/jooq/ConstraintForeignKeyReferencesStep10.java
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 * The <code>org.jooq.tools.csv</code> package contains parts of OpenCSV.
 * 
 * jOOQ has no external dependencies. Nevertheless, some libraries that are
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* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/impl/DiagnosticsDataSource.java
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/**
 * A very simple CSV reader released under a commercial-friendly license.
 *
 * @author Glen Smith
 */

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* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-
jar/org/jooq/tools/json/JSONObject.java
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*
* Create a "plain SQL" field.
* <p>
* A PlainSQLField is a field that can contain user-defined plain SQL,
* because sometimes it is easier to express things directly in SQL, for
* instance complex proprietary functions. There must not be any binding
* variables contained in the SQL.
* <p>
* Example:
* <p>
* <code><pre>
* String sql = "DECODE(MY_FIELD, 1, 100, 200)"
* </pre></code>
* <p>
* NOTE: When inserting plain SQL into jOOQ objects, you must
* guarantee syntax integrity. You may also create the possibility of
* malicious SQL injection. Be sure to properly use bind variables and/or
* escape literals when concatenated into SQL clauses!
* *
* @param sql The SQL
* @return A field wrapping the plain SQL
* @see SQL
* /
**
* Create a "plain SQL" field.
* <p>
* A PlainSQLField is a field that can contain user-defined plain SQL, because sometimes it is easier to express things directly in SQL, for instance complex proprietary functions. There must be as many binding variables contained in the SQL, as passed in the bindings parameter.

* Example:

```java
String sql = "DECODE(MY_FIELD, ?, ?, ?)";
Object[] bindings = new Object[] { 1, 100, 200 };
```

* NOTE: When inserting plain SQL into jOOQ objects, you must guarantee syntax integrity. You may also create the possibility of malicious SQL injection. Be sure to properly use bind variables and/or escape literals when concatenated into SQL clauses!

* @param sql The SQL
* @param bindings The bindings for the field
* @return A field wrapping the plain SQL
* @see SQL
* @see DSL#sql(String, Object...)
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-jar/org/jooq/impl/DSL.java

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/**
 * A very simple CSV parser released under a commercial-friendly license. This
 * just implements splitting a single line into fields.
 * 
 * @author Glen Smith
 * @author Rainer Pruy
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-
  jar/org/jooq/tools/csv/CSVParser.java
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 * The <code>org.jooq.tools.reflect</code> package contains parts of jOOR.
 * 
 * jOOQ has no external dependencies. Nevertheless, some libraries that are
 * compatible with jOOQ's Apache License 2.0 are embedded into jOOQ. See the
 * jOOR website for more details about jOOR:
 * 
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1034603691_1588872871.93/0/jooq-3-12-4-sources-
  jar/org/jooq/tools/reflect/package-info.java
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 * The <code>org.jooq.tools.json</code> package contains parts of JSON Simple.
 * 
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 * 
 */

Found in path(s):
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 */
1.690 commons-text 1.6

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1.693 zlib 4.15.0 55.60

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1.723 aether-api 1.0.2.v20150114

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1.737 fdisk 2.33.1 0.1

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

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* org.eclipse.jetty.orbit:javax.security.auth.message

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

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

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

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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OW2

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

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Apache

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

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

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

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.761 cas-server-core-api-web 5.2.0

1.762 jetty 9.4.17.v20190418

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

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* org.eclipse.jetty.orbit:javax.security.auth.message

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

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

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

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Oracle OpenJDK

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* java.sun.security.ssl

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

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OW2

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

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Apache

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

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MortBay

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

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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Theodore Ts'o
23-June-2007

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That's all there is to it!

Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
 /*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
- 
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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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This is the Debian GNU/Linux prepackaged version of the translation files of the EXT2 file system utilities. The EXT2 utilities were written by Theodore Ts' o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

It is part of the main e2fsprogs distribution, which can be found at:

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This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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#
# This is a Makefile stub which handles the creation of BSD shared libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic
BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJ)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJ))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \ 
`echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \ 
$(DESTDIR)/$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install-shlibs

uninstall-shlibs-uninstall::
$(RM) -f $(DESTDIR)/$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
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Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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Gadi Oxman, August 1995

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

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

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

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Oracle

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

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

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Oracle OpenJDK

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

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

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OW2

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

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

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Apache

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

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

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

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Mortbay
The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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

1.776 neo4j-graph-matching 3.1.9

1.776.1 Available under license:

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This script is compatible with the BSD install script, but was written from scratch. It can only install one file at a time, a restriction shared with many OS's install programs.

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-- vile: txtmode file-encoding=utf-8

1.801 go-toml 1.4.0
1.801.1 Available under license :
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1.819 apache-servicemix-specs-jsr303-api

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* Optimize Java serialization code when writing a small message to a stream.
* Optimize Java serialization of strings so that UTF-8 encoding happens only once per string per serialization call.
* Clean up some Java warnings.
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* Fixed detection of sched_yield on Solaris.
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* Fixed minor IBM xIC compiler build issues
* Added atomicops for AIX (POWER)

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<!DOCTYPE hibernate-mapping PUBLIC "/-//Hibernate/Hibernate Mapping DTD//EN"
"http://hibernate.sourceforge.net/hibernate-mapping-3.0.dtd">

<hibernate-mapping auto-import="true" default-lazy="false">
<class name="org.springframework.test.context.junit4.orm.domain.DriversLicense" table="drivers_license">
  <id name="id" column="id">
    <generator class="identity" />
  </id>
  <property name="number" column="license_number" />
</class>

</hibernate-mapping>

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 */

package org.springframework.orm.jpa.domain;

import javax.persistence.Entity;
import javax.persistence.Id;
import javax.persistence.Table;

@Entity
@Table(name="DRIVERS_LICENSE")
public class DriversLicense {
@Id
private int id;

private String serial_number;

protected DriversLicense() {
}

public DriversLicense(String serialNumber) {
this.serial_number = serialNumber;
}

public String getSerialNumber() {
return serial_number;
}

*/
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*/

package org.springframework.test.context.junit4.orm.domain;

/**
* DriversLicense POJO.
* 
* @author Sam Brannen
* @since 3.0
*/
public class DriversLicense {

private Long id;

private Long number;
public DriversLicense() {
}

public DriversLicense(Long number) {
    this(null, number);
}

public DriversLicense(Long id, Long number) {
    this.id = id;
    this.number = number;
}

public Long getId() {
    return this.id;
}

protected void setId(Long id) {
    this.id = id;
}

public Long getNumber() {
    return this.number;
}

public void setNumber(Long number) {
    this.number = number;
}


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package org.eclipse.jetty.http;

import java.io.IOException;
import org.eclipse.jetty.io.Buffer;
import org.eclipse.jetty.io.Buffers;
import org.eclipse.jetty.io.ByteArrayBuffer;
import org.eclipse.jetty.io.EndPoint;
import org.eclipse.jetty.util.log.Log;
import org.eclipse.jetty.util.log.Logger;

/* ------------------------------- */
/**
 *
 * Currently this class uses a system parameter "jetty.direct.writers" to control
 * two optional writer to byte conversions. buffer.writers=true will probably be
 * faster, but will consume more memory. This option is just for testing and tuning.
 */
public abstract class AbstractGenerator implements Generator {
    private static final Logger LOG = Log.getLogger(AbstractGenerator.class);

    // states
    public final static int STATE_HEADER = 0;
    public final static int STATE_CONTENT = 2;
    public final static int STATE_FLUSHING = 3;
    public final static int STATE_END = 4;

    public static final byte[] NO_BYTES = {};

    // data

    protected final Buffers _buffers; // source of buffers
    protected final EndPoint _endp;

    protected int _state = STATE_HEADER;
    protected int _status = 0;
    protected int _version = HttpVersions.HTTP_1_1_ORDINAL;
    protected Buffer _reason;
    protected Buffer _method;
    protected String _uri;

    protected long _contentWritten = 0;
    protected long _contentLength = HttpTokens.UNKNOWN_CONTENT;
    protected boolean _last = false;
    protected boolean _head = false;
    protected boolean _noContent = false;
    protected Boolean _persistent = null;

    protected Buffer _header; // Buffer for HTTP header (and maybe small _content)
    protected Buffer _buffer; // Buffer for copy of passed _content
    protected Buffer _content; // Buffer passed to addContent
    protected Buffer _date;

    private boolean _sendServerVersion;

    /*
     * Constructor.
     * *
     * @param buffers buffer pool
     * @param io the end point
     */
public AbstractGenerator(Buffers buffers, EndPoint io)
{
    this._buffers = buffers;
    this._endp = io;
}

public abstract boolean isRequest();

public abstract boolean isResponse();

public boolean isOpen()
{
    return _endp.isOpen();
}

public void reset()
{
    _state = STATE_HEADER;
    _status = 0;
    _version = HttpVersions.HTTP_1_1_ORDINAL;
    _reason = null;
    _last = false;
    _head = false;
    _noContent = false;
    _persistent = null;
    _contentWritten = 0;
    _contentLength = HttpTokens.UNKNOWN_CONTENT;
    _date = null;

    _content = null;
    _method = null;
}

public void returnBuffers()
{
    if (_buffer != null && _buffer.length() == 0)
    {
        _buffers.returnBuffer(_buffer);
        _buffer = null;
    }

    if (_header != null && _header.length() == 0)
{  
  _buffers.returnBuffer(_header);  
  _header=null;  
}
}

/* .............................................................. */
public void resetBuffer()
{
  if(_state>=STATE_FLUSHING)
    throw new IllegalStateException("Flushed");

  _last = false;
  _persistent=null;
  _contentWritten = 0;
  _contentLength = HttpTokens.UNKNOWN_CONTENT;
  _content=null;
  if (_buffer!=null)
    _buffer.clear();
}

/* .............................................................. */
/**
 * @return Returns the contentBufferSize.
 */
public int getContentBufferSize()
{
  if (_buffer==null)
    _buffer=_buffers.getBuffer();
  return _buffer.capacity();
}

/* .............................................................. */
/**
 * @param contentBufferSize The contentBufferSize to set.
 */
public void increaseContentBufferSize(int contentBufferSize)
{
  if (_buffer==null)
    _buffer=_buffers.getBuffer();
  if (contentBufferSize > _buffer.capacity())
  {
    Buffer nb = _buffers.getBuffer(contentBufferSize);
    nb.put(_buffer);
    _buffers.returnBuffer(_buffer);
    _buffer = nb;
  }
}
/* ------------------------------------------------------------- */
public Buffer getUncheckedBuffer()
{
    return _buffer;
}

/* ------------------------------------------------------------- */
public boolean getSendServerVersion ()
{
    return _sendServerVersion;
}

/* ------------------------------------------------------------- */
public void setSendServerVersion (boolean sendServerVersion)
{
    _sendServerVersion = sendServerVersion;
}

/* ------------------------------------------------------------- */
public int getState()
{
    return _state;
}

/* ------------------------------------------------------------- */
public boolean isState(int state)
{
    return _state == state;
}

/* ------------------------------------------------------------- */
public boolean isComplete()
{
    return _state == STATE_END;
}

/* ------------------------------------------------------------- */
public boolean isIdle()
{
    return _state == STATE_HEADER && _method==null && _status==0;
}

/* ------------------------------------------------------------- */
public boolean isCommitted()
{
    return _state != STATE_HEADER;
}
/**
 * @return Returns the head.
 */

public boolean isHead()
{
    return _head;
}

/**
 * @param head The head to set.
 */

public void setHead(boolean head)
{
    _head = head;
}

/**
 * @return <code>false</code> if the connection should be closed after a request has been read,
 * <code>true</code> if it should be used for additional requests.
 */

public boolean isPersistent()
{
    return _persistent!=null
    ?_persistent.booleanValue()
    :isRequest()?true:_version>HttpVersions.HTTP_1_0_ORDINAL);
}

/**
 * @param persistent The persistent to set.
 */

public void setPersistent(boolean persistent)
{
    _persistent=persistent;
}
public void setVersion(int version)
{
    if (_state != STATE_HEADER)
        throw new IllegalStateException("STATE!=START "+_state);
    _version = version;
    if (_version==HttpVersions.HTTP_0_9_ORDINAL && _method!=null)
        _noContent=true;
}

public int getVersion()
{
    return _version;
}

public void setDate(Buffer timeStampBuffer)
{
    _date=timeStampBuffer;
}

public void setRequest(String method, String uri)
{
    if (method==null || HttpMethods.GET.equals(method) )
        _method=HttpMethods.GET_BUFFER;
    else
        _method=HttpMethods.CACHE.lookup(method);
    _uri=uri;
    if (_version==HttpVersions.HTTP_0_9_ORDINAL)
        _noContent=true;
}

public void setResponse(int status, String reason)
{
if (_state != STATE_HEADER) throw new IllegalStateException("STATE!=START");
_method=null;
_status = status;
if (reason!=null)
{
    int len=reason.length();

    // TODO don't hard code
    if (len>1024)
        len=1024;
    _reason=new ByteBuffer(len);
    for (int i=0;i<len;i++)
    {
        char ch = reason.charAt(i);
        if (ch!=''&&ch!='
')
            _reason.put((byte)ch);
        else
            _reason.put((byte)' ');
    }
}
/* -------------------------------------------------------- */
/** Prepare buffer for unchecked writes. */
/** Prepare the generator buffer to receive unchecked writes */
/** @return the available space in the buffer. */
/** @throws IOException */
public abstract int prepareUncheckedAddContent() throws IOException;
/* -------------------------------------------------------- */
void uncheckedAddContent(int b)
{
    _buffer.put((byte)b);
}
/* -------------------------------------------------------- */
public void completeUncheckedAddContent()
{
    if (_noContent)
    {
        if (_buffer!=null)
            _buffer.clear();
    }
    else
    {
        _contentWritten+=_buffer.length();
        if (_head)
public boolean isBufferFull()
{
    if (_buffer != null && _buffer.space()==0)
    {
        if (_buffer.length()==0 && !_buffer.isImmutable())
            _buffer.compact();
        _buffer.space()==0;
    }

    return _content!=null && _content.length()>0;
}

/* -------------------------------------------------------------------------- */
public boolean isWritten()
{
    return _contentWritten>0;
}

/* -------------------------------------------------------------------------- */
public boolean isAllContentWritten()
{
    return _contentLength>=0 && _contentWritten>=_contentLength;
}

/* -------------------------------------------------------------------------- */
public abstract void completeHeader(HttpFields fields, boolean allContentAdded) throws IOException;

/* -------------------------------------------------------------------------- */
/**
 * Complete the message.
 * @throws IOException
 */
public void complete() throws IOException
{
    if (_state == STATE_HEADER)
    {
        throw new IllegalStateException("State==HEADER");
    }

    if (_contentLength >= 0 && _contentLength != _contentWritten && !_head)
    {
        if (LOG.isDebugEnabled())
            LOG.debug("_contentLength=={0} _contentWritten=={1} _contentLength=={2}",
                      _contentLength, _contentWritten, _contentLength);
    }

    if (_contentLength >= 0 && _contentLength != _contentWritten && !_head)
    {
        if (LOG.isDebugEnabled())
            LOG.debug("_contentLength=={0} _contentWritten=={1} _contentLength=={2}",
                      _contentLength, _contentWritten, _contentLength);
    }

    if (_state == STATE_HEADER)
    {
        throw new IllegalStateException("State==HEADER");
    }

    if (_contentLength >= 0 && _contentLength != _contentWritten && !_head)
    {
        if (LOG.isDebugEnabled())
            LOG.debug("_contentLength=={0} _contentWritten=={1} _contentLength=={2}",
                      _contentLength, _contentWritten, _contentLength);
    }

    if (_state == STATE_HEADER)
    {
        throw new IllegalStateException("State==HEADER");
    }

    if (_contentLength >= 0 && _contentLength != _contentWritten && !_head)
    {
        if (LOG.isDebugEnabled())
            LOG.debug("_contentLength=={0} _contentWritten=={1} _contentLength=={2}",
                      _contentLength, _contentWritten, _contentLength);
    }
LOG.debug("ContentLength written=="+_contentWritten+" !\= contentLength=="+_contentLength);

persistent = false;

/* ------------------------------------------------------------- */

public abstract int flushBuffer() throws IOException;

/* ------------------------------------------------------------- */

public void flush(long maxIdleTime) throws IOException
{

   // block until everything is flushed
   long now=System.currentTimeMillis();
   long end=now+maxIdleTime;
   Buffer content = _content;
   Buffer buffer = _buffer;
   if (content!=null && content.length()>0 || buffer!=null && buffer.length()>0 || isBufferFull())
   {
      flushBuffer();

      while (now<end && (content!=null && content.length()>0 || buffer!=null && buffer.length()>0) &&
      _endp.isOpen()&& !_endp.isOutputShutdown())
      {
         blockForOutput(end-now);
         now=System.currentTimeMillis();
      }
   }
}

/* ------------------------------------------------------------- */

/**
 * Utility method to send an error response. If the builder is not committed, this call is
 * equivalent to a setResponse, addContent and complete call.
 *
 * @param code The error code
 * @param reason The error reason
 * @param content Contents of the error page
 * @param close True if the connection should be closed
 * @throws IOException if there is a problem flushing the response
 */

public void sendError(int code, String reason, String content, boolean close) throws IOException
{

   if (close)
      _persistent=false;
   if (isCommitted())
   {
      LOG.debug("sendError on committed: {} {}.code.reason");
   }
}
else {
    LOG.debug("sendError: {} ",code,reason);
    setResponse(code, reason);
    if (content != null)
    {
        completeHeader(null, false);
        addContent(new View(new ByteArrayBuffer(content)), Generator.LAST);
    }
    else {
        completeHeader(null, true);
    }
    complete();
}
*/

/**
 * @return Returns the contentWritten.
 */
public long getContentWritten()
{
    return _contentWritten;
}

/* ................................................................. */
public void  blockForOutput(long maxIdleTime) throws IOException
{
    if (_endp.isBlocking())
    {
        try {
            flushBuffer();
        } catch (IOException e) {
            _endp.close();
            throw e;
        }
    } else {
    if (!_endp.blockWritable(maxIdleTime))
    {
        
    }
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1.841 aspect-j 1.9.2

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

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@end example

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1.851 mdsal-binding-dom-adapter 3.0.10

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$OpenLDAP: pkg/ldap/libraries/liblutil/base64.c,v 1.15 2006/01/03 22:12:11 kurt Exp $ /
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1.877 hibernate-entitymanager 5.4.12

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

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

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

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

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

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

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

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

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

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

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more
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d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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

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

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

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

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

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

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

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

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1.878 maven-model 3.2.1

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1.879 tre 1.1.18-r2

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1.880 mdsal-dom-api 3.0.10

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1.881 build-essential 12.4ubuntu1

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1.882 apache-karaf-jaas-boot 4.2.2

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1.883 spring-security-crypto 4.2.3

1.884 go-shellwords 1.0

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1.885 geoserver 1.7.0

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1.890 linux-kernel 3.10.87

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

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in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
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d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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

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```c
#ifndef __LICENSE_H
#define __LICENSE_H

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

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- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
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-- vile: txtmode file-encoding=utf-8
Upstream source https://invisible-island.net/ncurses/ncurses.html
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-- $Id: COPYING,v 1.6 2018/01/01 12:00:00 tom Exp $
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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs
Open Source Used In Crosswork Optimization Engine 1.2.1  7181

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1.922 libsepol 2.7-1
1.922.1 Available under license :

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This package was debianized by Russell Coker <russell@coker.com.au> on Fri, 20 Aug 2004 17:26:18 +1000.

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Manoj Srivastava <srivasta@debian.org>
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1.923 pax-cdi-undertow-weld 1.0.0

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5.2.0

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1.931 cas-server-core-events-configuration

5.2.0

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1.934 yang-data-transform 2.1.11

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History of the software
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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see https://www.cwi.nl/) in the Netherlands as a
successor of a language called ABC. Guido remains Python's principal author,
although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National
Research Initiatives (CNRI, see https://www.cnri.reston.va.us/) in Reston,
Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to
form the BeOpen PythonLabs team. In October of the same year, the PythonLabs
team moved to Digital Creations (now Zope Corporation; see
http://www.zope.com/). In 2001, the Python Software Foundation (PSF, see
https://www.python.org/psf/) was formed, a non-profit organization created
specifically to own Python-related Intellectual Property. Zope Corporation is a
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All Python releases are Open Source (see https://opensource.org/ for the Open
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Mersenne Twister
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A C-program for MT19937, with initialization improved 2002/1/26. Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed) or init_by_array(init_key, key_length).

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Sockets
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------------------

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
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- Arguments more compliant with Python standard

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

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---------

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Original location:
https://github.com/majek/csiphash/

Solution inspired by code from:
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Jean-Philippe Aumasson (https://131002.net/siphash/siphash24.c)

strtod and dtoa
----------

The file :file:`Python/dtoa.c`, which supplies C functions dtoa and
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cfuhash
-------

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

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1.991 ietf-topology 2013.10.21.15.10

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/**
 * A simple interface to show the End User License Agreement (EULA) dialog
 */
public interface Eula {

    /**
     * display the eula dialog, if not already shown
     * @return false if eula was rejected, true otherwise
     */
    public boolean show();

    /**
     * accept the EULA, so no EULA dialog will be displayed
     */
    public void accept();
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package java.security.acl;
/**
 * This interface represents a permission, such as that used to grant
 * a particular type of access to a resource.
 *
 * @author Satish Dharmaraj
 */
public interface Permission {

    /**
     * Returns true if the object passed matches the permission represented
     * in this interface.
     *
     * @param another the Permission object to compare with.
     *
     * @return true if the Permission objects are equal, false otherwise
     */
    public boolean equals(Object another);

    /**
     * Prints a string representation of this permission.
     *
     * @return the string representation of the permission.
     */
    public String toString();

}

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package java.security;

/**
 * Abstract class for representing access to a system resource.
 * All permissions have a name (whose interpretation depends on the subclass),
 * as well as abstract functions for defining the semantics of the
 * particular Permission subclass.
 * 
 * <p>Most Permission objects also include an "actions" list that tells the actions
 * that are permitted for the object. For example,
 * for a { @code java.io.FilePermission} object, the permission name is
 * the pathname of a file (or directory), and the actions list
 * (such as "read, write") specifies which actions are granted for the
 * specified file (or for files in the specified directory).
 * The actions list is optional for Permission objects, such as
 * { @code java.lang.RuntimePermission},
 * that don't need such a list; you either have the named permission (such
 * as "system.exit") or you don't.
 * 
 * <p>An important method that must be implemented by each subclass is
 * the { @code implies} method to compare Permissions. Basically,
 * "permission p1 implies permission p2" means that
 * if one is granted permission p1, one is naturally granted permission p2.
 * Thus, this is not an equality test, but rather more of a
 * subset test.
 * 
 * <p>Permission objects are similar to String objects in that they
 * are immutable once they have been created. Subclasses should not
 * provide methods that can change the state of a permission
 * once it has been created.
 * 
 * @see Permissions
 * @see PermissionCollection
 * 
 * @author Marianne Mueller
 * @author Roland Schemers
 */

public abstract class Permission implements Guard, java.io.Serializable {

    private static final long serialVersionUID = -563657022231596674L;

    private String name;

    public abstract boolean implies(Permission that);
/**
 * Constructs a permission with the specified name.
 *
 * @param name name of the Permission object being created.
 *
 */

public Permission(String name) {
    this.name = name;
}

/**
 * Implements the guard interface for a permission. The
 * { @code SecurityManager.checkPermission} method is called,
 * passing this permission object as the permission to check.
 * Returns silently if access is granted. Otherwise, throws
 * a SecurityException.
 *
 * @param object the object being guarded (currently ignored).
 *
 * @throws SecurityException
 *        if a security manager exists and its
 *        { @code checkPermission} method doesn't allow access.
 *
 * @see Guard
 * @see GuardedObject
 * @see SecurityManager#checkPermission
 *
 */

public void checkGuard(Object object) throws SecurityException {
    SecurityManager sm = System.getSecurityManager();
    if (sm != null) sm.checkPermission(this);
}

/**
 * Checks if the specified permission's actions are "implied by"
 * this object's actions.
 * <P>
 * This must be implemented by subclasses of Permission, as they are the
 * only ones that can impose semantics on a Permission object.
 *
 * @param permission the permission to check against.
 *
 * @return true if the specified permission is implied by this object,
public abstract boolean implies(Permission permission);

/**
 * Checks two Permission objects for equality.
 * <p>
 * Do not use the {@code equals} method for making access control
decisions; use the {@code implies} method.
 * @param obj the object we are testing for equality with this object.
 * @return true if both Permission objects are equivalent.
 */

public abstract boolean equals(Object obj);

/**
 * Returns the hash code value for this Permission object.
 * <p>
The required {@code hashCode} behavior for Permission Objects is
* the following:
* <ul>
* <li>Whenever it is invoked on the same Permission object more than
* once during an execution of a Java application, the
* {@code hashCode} method
* must consistently return the same integer. This integer need not
* remain consistent from one execution of an application to another
* execution of the same application.
* <li>If two Permission objects are equal according to the
* method, then calling the {@code hashCode} method on each of the
* two Permission objects must produce the same integer result.
* </ul>
* @return a hash code value for this object.
*/

public abstract int hashCode();

/**
 * Returns the name of this Permission.
 * For example, in the case of a {@code java.io.FilePermission},
* the name will be a pathname.
 * @return the name of this Permission.
 */
public final String getName() {
    return name;
}

/**
 * Returns the actions as a String. This is abstract
 * so subclasses can defer creating a String representation until
 * one is needed. Subclasses should always return actions in what they
 * consider to be their
 * canonical form. For example, two FilePermission objects created via
 * the following:
 *
 *  * <pre>
 *  * perm1 = new FilePermission(p1,"read,write");
 *  * perm2 = new FilePermission(p2,"write,read");
 *  * </pre>
 *
 * both return
 * "read,write" when the {@code getActions} method is invoked.
 *
 * @return the actions of this Permission.
 *
 */

public abstract String getActions();

/**
 * Returns an empty PermissionCollection for a given Permission object, or null if
 * one is not defined. Subclasses of class Permission should
 * override this if they need to store their permissions in a particular
 * PermissionCollection object in order to provide the correct semantics
 * when the ( {@code PermissionCollection.implies} method is called.
 * If null is returned,
 * then the caller of this method is free to store permissions of this
 * type in any PermissionCollection they choose (one that uses a Hashtable,
 * one that uses a Vector, etc).
 *
 * @return a new PermissionCollection object for this type of Permission, or
 * null if one is not defined.
 *
 */

public PermissionCollection newPermissionCollection() {
    return null;
}

/**
* Returns a string describing this Permission. The convention is to
* specify the class name, the permission name, and the actions in
* the following format: '("ClassName" "name" "actions")', or
* '("ClassName" "name")' if actions list is null or empty.
*
* @return information about this Permission.
*/

public String toString() {
    String actions = getActions();
    if ((actions == null) || (actions.length() == 0)) { // OPTIONAL
        return "(" + getClass().getName() + " " + name + ")";
    } else {
        return "(" + getClass().getName() + " " + name + " " + actions + ")";
    }
}

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 */

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* /opt/ws_local/PERMITS_SQL/1018366213_1591904026.58/0/asm-5-0-3-sources-jar/org/objectweb/asm/ClassVisitor.java
* /opt/ws_local/PERMITS_SQL/1018366213_1591904026.58/0/asm-5-0-3-sources-jar/org/objectweb/asm/MethodWriter.java
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jar/org/objectweb/asm/util/TraceSignatureVisitor.java
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jar/org/objectweb/asm/tree/analysis/Interpreter.java
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jar/org/objectweb/asm/optimizer/ClassConstantsCollector.java
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jar/org/objectweb/asm/tree/TypeInsnNode.java
* /opt/ws_local/PERMITS_SQL/1018366213_1591904026.58/0/asm-5-0-3-sources-
jar/org/objectweb/asm/ClassReader.java
* /opt/ws_local/PERMITS_SQL/1018366213_1591904026.58/0/asm-5-0-3-sources-
jar/org/objectweb/asm/optimizer/MethodConstantsCollector.java
* /opt/ws_local/PERMITS_SQL/1018366213_1591904026.58/0/asm-5-0-3-sources-
jar/org/objectweb/asm/tree/InsnNode.java
* /opt/ws_local/PERMITS_SQL/1018366213_1591904026.58/0/asm-5-0-3-sources-
jar/org/objectweb/asm/FieldConstantsCollector.java
* /opt/ws_local/PERMITS_SQL/1018366213_1591904026.58/0/asm-5-0-3-sources-
jar/org/objectweb/asm/tree/MethodNode.java
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jar/org/objectweb/asm/Remapping/AnnotationAdapter.java
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jar/org/objectweb/asm/tree/analysis/Subroutine.java
* /opt/ws_local/PERMITS_SQL/1018366213_1591904026.58/0/asm-5-0-3-sources-
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jar/org/objectweb/asm/tree/LookupSwitchInsnNode.java
* /opt/ws_local/PERMITS_SQL/1018366213_1591904026.58/0/asm-5-0-3-sources-
jar/org/objectweb/asm/tree/AbstractInsnNode.java
* /opt/ws_local/PERMITS_SQL/1018366213_1591904026.58/0/asm-5-0-3-sources-
jar/org/objectweb/asm/commons/RemappingFieldAdapter.java
* /opt/ws_local/PERMITS_SQL/1018366213_1591904026.58/0/asm-5-0-3-sources-
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 */
/**
 * Creates a new {@link AnalyzerAdapter}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * {@link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor})
 * version.
 *
 * @param owner
 * the owner's class name.
 *
 * @param access
 * the method's access flags (see { @link Opcodes} ).
 *
 * @param name
 * the method's name.
 *
 * @param desc
 * the method's descriptor (see { @link Type Type})
 */
* @param mv
*    the method visitor to which this adapter delegates calls. May
*    be <tt>null</tt>.
* @throws IllegalStateException
*    If a subclass calls this constructor.
*

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018366213_1591904026.58/0/asm-5-0-3-sources.jar/org/objectweb/asm/commons/AnalyzerAdapter.java
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* /opt/ws_local/PERMITS_SQL/1018366213_1591904026.58/0/asm-5-0-3-sources.jar/org/objectweb/asm/xml/SAXCodeAdapter.java
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/**
 * Constructs a new [LocalVariableAnnotationNode]. Subclasses must
 * not use this constructor. Instead, they must use the
 * [LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)]
 * version.
 *
 * @param typeRef
 * a reference to the annotated type. See [TypeReference].
* @param typePath
* the path to the annotated type argument, wildcard bound, array
* element type, or static inner type within 'typeRef'. May be
* &lt;tt>null&lt;/tt> if the annotation targets 'typeRef' as a whole.

* @param start
* the first instructions corresponding to the continuous ranges
* that make the scope of this local variable (inclusive).

* @param end
* the last instructions corresponding to the continuous ranges
* that make the scope of this local variable (exclusive). This
* array must have the same size as the 'start' array.

* @param index
* the local variable's index in each range. This array must have
* the same size as the 'start' array.

* @param desc
* the class descriptor of the annotation class.
*

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 */
/**
 * Constructs a new [Textifier]. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the [Textifier(int)]
 * version.
 *
 * @throws IllegalStateException
 *          If a subclass calls this constructor.
 */

Found in path(s):
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* /opt/ws_local/PERMITS_SQL/1018366213_1591904026.58/0/asm-5-0-3-sources-jar/org/objectweb/asm/optimizer/shrink-resize.properties
* /opt/ws_local/PERMITS_SQL/1018366213_1591904026.58/0/asm-5-0-3-sources-jar/org/objectweb/asm/optimizer/shrink-writer.properties
* /opt/ws_local/PERMITS_SQL/1018366213_1591904026.58/0/asm-5-0-3-sources-jar/org/objectweb/asm/optimizer/shrink-signatures.properties
* /opt/ws_local/PERMITS_SQL/1018366213_1591904026.58/0/asm-5-0-3-sources-jar/org/objectweb/asm/optimizer/shrink-annotations.properties
* /opt/ws_local/PERMITS_SQL/1018366213_1591904026.58/0/asm-5-0-3-sources-jar/org/objectweb/asm/optimizer/shrink.properties

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* /opt/ws_local/PERMITS_SQL/1018366213_1591904026.58/0/asm-5-0-3-sources-
  jar/org/objectweb/asm/util/Textifiable.java

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 */
/**
 * Constructs a new [@link ClassNode]. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the [@link #ClassNode(int)]
 * version.
 *
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

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 * Creates a new JSRInliner. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * [ JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])]
 * version.
 *
 * @param mv
 * the <code>MethodVisitor</code> to send the resulting inlined
 * method code to (use <code>null</code> for none).
 * @param access
 * the method's access flags (see [ Opcodes]). This
 * parameter also indicates if the method is synthetic and/or
 * deprecated.
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see [Type]).
* @param signature
  * the method's signature. May be <tt>null</tt>.
* @param exceptions
  * the internal names of the method's exception classes (see
  * { @link Type#getInternalName() getInternalName}). May be
  * <tt>null</tt>.
* @throws IllegalStateException
  * If a subclass calls this constructor.

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* /
/**
* Creates a new { @link GeneratorAdapter}. <i>Subclasses must not use this
* constructor</i>. Instead, they must use the
* { @link #GeneratorAdapter(int, MethodVisitor, int, String, String)}
* version.

* @param mv
  * the method visitor to which this adapter delegates calls.

* @param access
  * the method's access flags (see [@link Opcodes]).

* @param name
  * the method's name.

* @param desc
  * the method's descriptor (see [@link Type Type]).

* @throws IllegalStateException
  * If a subclass calls this constructor.

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jar/org/objectweb/asm/signature/package.html
* /opt/ws_local/PERMITS_SQL/1018366213_1591904026.58/0/asm-5-0-3-sources-
jar/org/objectweb/asm/commons/package.html
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jar/org/objectweb/asm/package.html
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[This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]

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1.1003 stringprep 1.1

1.1004 bouncycastle-fips 1.60

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We also wish to acknowledge financial and collaborative support from <a href="https://www.cisco.com/">CISCO</a> and additional financial support from <a href="https://www.primekey.com/">PrimeKey</a> towards developing the EST API for RFC 7030 support.
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```
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Don Hillsberry &lt;dhillsberry@yahoo.com&gt; - S/Mime testing and debugging.

Kazuo Furuya &lt;kfuruya@infoteria.co.jp&gt; - fixing root certificate chaining bug in PKCS12 key store.

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Joel Hockey &lt;joel.hockey@qsipayments.com&gt; - initial work on the openSSL PEM processing.

John Steenbruggen &lt;JohnS@geotrust.com&gt; - fixing CertificationRequestInfo to handle cert request info objects without attribute blocks.

Justin Chapweske &lt;justin@chapweske.com&gt; - ordering patch for Tiger message digest.

John Serock &lt;jserock@hotmail.com&gt; - fixing null pointer exception in constructor for ExtendedKeyUsage. Fixing of base OID bug in KeyPurposeId. Compliance of KeyUsage extension return value with security API.

Sascha Weinreuter &lt;sascha.weinreuter@cit.de&gt; - fixed SMIME saveChanges() bug.

Andre Wehnert &lt;aw5@tu-dresden.de&gt; - fixing key schedule problem in RC5-64, fixing buffer clearing issue in buffered block cipher.

Luigi Lo Iacono &lt;lo_iacono@nue.et-inf.uni-siegen.de&gt; - adding SIC mode to the blockciphers in the provider.

Tim Sakach &lt;tsakach@certivo.net&gt; - SMIME v2 compatibility patches.

Marcus Povey &lt;mpovey@brookes.ac.uk&gt; - adding the PGP mode to the lightweight API and the provider.

Sebastian Claus &lt;sc2048@inf.tu-dresden.de&gt; - adding randomness setting to the certificate and CRL generators.

Nicolas Bielza &lt;nicolas.bielza@alligacom.com&gt; - isolating the tagging bug in the ASN.1 library that was misrepresenting some ASN.1 constructed data types. Contributions to the streaming SMIME classes.

Casey Marshall &lt;rsdio@metastatic.org&gt; - fixing the clone problem with Macs in the clean room JCE.

Rick Zeldes &lt;rick.zeldes@eds.com&gt; - initial code for CMS/SMIME CompressedData.

Jarek Gawor &lt;gawor@mcs.anl.gov&gt; - fixing ASN.1 sequence unpacking in BasicConstraints constructor.

Brett Neumeier &lt;random@rnd.cx&gt; - patch to OriginatorIdentifierOrKey object, improvements to encoders package, introduction of UrlBase64.

Graham Coles &lt;graham.coles@retail-logic.com&gt; - patch to isParityAdjusted in DESKeySpec.

J&ouml;r&ouml;nl von Kattch &lt;j.kattchee@seeburger.de&gt; - patch to SMIMEGenerator for preventing class cast exceptions with BodyParts containing Multipart objects.

Matteo Artuso &lt;matartuso@libero.it&gt; - picking up the possible overread in ASN1InputStream.

Julian Morrison &lt;julian@extropy.demon.co.uk&gt; - spotting the slow down in Diffie-Hellman key generation.

Elmar Sonnenschein &lt;esomail.de&gt; - fix to long conversion in clean room SecureRandom.

Bryan Lovquist &lt;bkl@cps.com.au&gt; - Other provider compatibility fixes for CMS signing.

Artem Portnoy &lt;Artem_Portnoy@ibi.com&gt; - generalisations for CMSProcessableBodyPart in

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Open Source Used In Crosswork Optimization Engine 1.2.1  7620
<li>Michael Hauser &lt;hauser@#064ponton-consulting.de&gt; - missing OID update for SHA1 with RSA Signature.</li>
<li>Johan Seland &lt;jsjohans@#064netfonds.no&gt; - general toString for BigInteger class.</li>
<li>Johannes Nicolai &lt;johannes.nicolai@#064novosec.com&gt; - further enhancements to OCSP response generation, fix to CertificateID issuer.</li>
<li>Marc Doberva &lt;marc.doberva@#064ilex-si.com&gt; - help in isolating the JSSE/BC RSA key issue.</li>
<li>Jan Dvorak &lt;jan.dvorak@#064mathan.cz&gt; - initial implementation of the light weight Null block cipher.</li>
<li>Joe Cohen &lt;jc Cohen@#064forumsys.com&gt; - converting the ArrayOutOfBoundsException in DERInputStream into what it should have been.</li>
<li>Chris Long &lt;aclong@#064ece.cmu.edu&gt; - adding public key decoding to PEMReader.</li>
<li>Hes Siemelink &lt;hes@#064izecom.com&gt; - findIssuer fix for CertPathBuilder, toMimeMessage converter for Mail API, getSize() fix for zero length messages in SMIMEMessage.</li>
<li>Stefan Puiu &lt;stefanpuiuro@#064yahoo.com&gt; - initial implementation V3 policy mapping, policy qualifier objects in ASN.1 X.509 package.</li>
<li>Kaiser Yang &lt;kaiser yang@#064.yahoo.com&gt; - Finding BigInteger loop problem in prime generation.</li>
<li>Jiri Urbanec &lt;jiri.urbanec@#064logicacmg.com&gt; - patch to fix defect in DERBMPString.equals().</li>
<li>Justin Kolb &lt;jkolb@#064pristx.com&gt; - patch to DSA signature generation in OpenPGP. Fix for the unexpected "Unexpected end of ZLIB input stream" exception.</li>
<li>Ralf Hauser &lt;ralf hauser@#064gmx.ch&gt; - patch to exception handling in PublicKeyRing, PEMReader, 1.4 build script, X509 Certificate Factory, CertPathValidatorUtilities, fromAddress null check in SignedMailValidator, ReadOnceInputStream testing utility in MIME tests.</li>
<li>Michal Dvorak &lt;M Dvorak@#064kb.cz&gt; - getNextUpdate patch for OCSP SingleResp.</li>
<li>Klaus Greve Fiorentini &lt;klaus@#064cqd.com.br&gt; - array fix in PGP PublicKeyEncSessionPacket.</li>
<li>Olivier Refalo &lt;Olivier Refalo@#064fpl.com&gt; - null pointer exception fix for JDK 1.3 CMSSignedData objects.</li>
<li>Mariusz Bandola &lt;mariusz.bandola@#064cryptotech.com.pl&gt; - patch to DERGeneralizedTime. Compliance patch for OCSP TBSRequest class. Patch to X509Name for delaing with general objects in sequences.</li>
<li>Brien Oberstein &lt;brien.oberstein@#064transacttools.net&gt; - patch to S2K algorithm in OpenPGP, initial PGP version 3 secret key support, initial PGP version 3 signature generation, RIPEMD160 addition to PGPUtility.</li>
<li>Ian Haywood &lt;ian@#064haywood.bpa.nl&gt; - addition of getSignatureType to PGPSignature.</li>
<li>Jonathan Edwards &lt;s34gull@#064mac.com&gt; - initial support for reading multiple rings from a PGP key file.</li>
<li>Andrew Thornton &lt;andrew@#064caret.cam.ac.uk&gt; - patch for RSA PUBLIC KEY in PEMReader.</li>
<li>Gregor Leander &lt;gl@#064bos-bremen.de&gt; - initial parsing of multiple sequence entries in an X.500 Name.</li>
<li>Antoon Bosselaers &lt;Antoon.Bosselaers@#064esat.kuleuven.ac.be&gt; - help with RipeMD320 implementation.</li>
<li>Peter Sylvester &lt;Peter.Sylvester@#064edelweb.fr&gt; - improvements to the ASN.1 BasicConstraints object.</li>
<li>Doug &lt;ummmmm@#064myrealbox.com&gt; - addition of isEncryptionKey method to OpenPGP public keys.</li>
<li>Francois Staes &lt;fstaes@#064netconsult.be&gt; - improvements to DEREmitString, DERGeneralizedTime and initial implementation of DERGeneralizedTime, addition of settable signed object info to CMSSignedDataGenerator, patch to DH key agreement.</li>
<li>W.R. Dittmer &lt;wdittmer@#064cs.vu.nl&gt; - patch to decoding of SignatureCreationTime in BCPG. Patch to
PGPKeyPair to fix nullpointer exception.\
\li>Perez Paz Luis Alberto &lt;laperez@#064banxico.org.mx&gt; - patch to use of BitString in X.500 name.\
\li>James Wright &lt;James_Wright@#064harte-hanks.com&gt; - patches for dealing with "odd" ArmoredInputStreams.\</li>
\li>Jim Ford &lt;jim@#064muirford.com&gt; - patch to PGPSecretKey to avoid null pointer exception on encoding secret keys, comments on KeyExpirationTime, getBitStrength for ElGamal keys. Signature creation time patch for newly created v4 signatures.\</li>
\li>Michael Hausler &lt;haeusler@#064ponton-consulting.de&gt; - extra aliases for provider.\</li>
\li>Sai Pullabhotla &lt;psai@#064linoma.com&gt; - fix to PGP compressed data generator to improve compression levels. Performance improvements for KeyBasedLargeFileProcessor.\</li>
\li>Joseph Miller &lt;joseph@#064digieweb.net.nz&gt; - addition of ZeroBytePadding.\</li>
\li>Lars &lt;lxyz@#064sagemdenmark.dk&gt; - patch to explicit padded mode for CBC block cipher MAC.\</li>
\li>Jeroen van Vianen &lt;jeroen@#064vanvianen.nl&gt; - the Signed and Encrypted mail example.\</li>
\li>Jun Sun &lt;JSun@#064diversinet.com&gt; - patch to SecureRandom to work around problem in wtk 1.0.4 and wtk 2.1.\</li>
\li>Petr Dukem &lt;pdukem@#064-email.cz&gt; - patch to CMSSignedDataGenerator to allow it to work with PKCS11 providers.\</li>
\li>Michael Hausler &lt;haeusler@#064ponton-consulting.de&gt; - extra aliases for provider.\</li>
\li>Alpesh Parmar &lt;alps@#064linuxmail.org&gt; - patch for class cast problem in PGPPublicKey.getSignatures().\</li>
\li>Jay Gengelbach &lt;jgengelbach@#064webmethods.com&gt; - patch to fix isSigningKey in PGPSecretKey class, patch to hashedPackets in PGP signatureGenerator, initial cut for indefinite length output.\</li>
\li>Doug &lt;doug@#064tigerprivacy.com&gt; - public key ring patches for ElGamal Signatures, signature key ring data.\</li>
\li>Matthew Mundy &lt:mmundy1@#064umbc.edu&gt; - infinite loop prevention patch to PKCSS2ParametersGenerator.\</li>
\li>Tom Cargill &lt;tcargill@#064profcon.com&gt; - spelling patch in provider.\</li>
\li>Christian Breitenstrom &lt;c.Breitenstrom@#064-systems.com&gt; - compatibility patch to SignaturePacket, DetachedSignatureProcessor.\</li>
\li>Zanotti Mirko &lt;znanotti@#064cad.it&gt; - patch to ordered equality test for X509Name.\</li>
\li>Scendoní Nicolasa &lt;nscondonì@#064babelps.it&gt; - patch to add sorting to CertPath validation.\</li>
\li>Ville Skyttä &lt;skiit@#064kixi.fi&gt; - patch to CRLDistPoint for rLIssuer field. KeyStore compliance on add patches. DiffieHellman patch for provider compliance. Support for PEM object "TRUSTED CERTIFICATE". Exception handling patch in PEMReader. JavaDoc clean up.\</li>
\li>Bruce Gordon &lt;bruce.gordon@#064savvis.net&gt; - patch to secret key creation encoding NullPointerException in OpenPGP, speed up for BCPGInputStream.\</li>
\li>Miles Whiteley &lt;miles.whiteley@#064savvis.net&gt; - "223" fix for BCPGInputStream new packets.\</li>
\li>Albert Moliner &lt;amoliner@#064evinitia.com&gt; - initial TSP implementation.\</li>
\li>Carlos Lozano &lt;carlos@#064evinitia.com&gt; - initial TSP implementation, patch to SignerInformation for supporting repeated signers, initial updates for supporting repeated attributes in CMS.\</li>
\li>Javier Delgadoillo &lt;javi@#064javicodewarp.org&gt; - initial Mozilla PublicicKeyAndChallenge classes.\</li>
\li>Joni Hahkala &lt;jhahkala@#064cern.ch&gt; - initial implementations of VOMS Attribute Certificate Validation, IetfAttrSyntax, and ObjectDigestInfo. We also wish to thank the &lt;a href="http://www.eu-egee.org">EGEE project&lt;/a&gt; for making the work available.\</li>
\li>Rolf Schillinger &lt;rolf@#064sir-wum.de&gt; - initial implementation of Attribute Certificate generation.\</li>
\li>Sergey Bahtin &lt;Sergey_Bahtin@#064yahoo.com&gt; - fix for recovering certificate aliases in BKS and UBER key stores. Initial implementations of GOST-28147, GOST-3410, EC GOST-3410, GOST OFB mode
(GOFB) and GOST-3411.</li>
<li>Franc LeRoy &lt;franc.Leroy@#064keynectis.com&gt; - ANS.1 set sorting. Contributions to TSP implementation. Test vectors for Bleichenbacher's forgery attack.</li>
<li>Atsuhiko Yamanaka &lt;ymnk@#064craft.com&gt; - patch for improving use of Montgomery numbers in BigInteger library. Patch to use size of private exponent in DH parameters.</li>
<li>Nickolay Bolshakov &lt;tyrex@#064reksoft.ru&gt; - patch for class cast exception in AuthorityInformationAccess class.</li>
<li>Soren Hilmer &lt;soren.hilmer@#064tietoenator.com&gt; - patches for CertID with issuerSerial set in TSP implementation, additional compliance testing.</li>
<li>Steve Mitchell &lt;mitchell@#064intertrust.com&gt; - patch for stateful path validator fix. Patch to allow BigInteger class to create negative numbers from byte arrays. Additions to allow different providers to be used for asymmetric/symmetric encryption in OpenPGP. Optimisation to avoid redundant verification in path validator. Suggestion to use PKIXParameters.getSigProvider() correctly.</li>
<li>Dirk Eisner &lt;D.Eisner@seeburger.de&gt; - initial implementation of ISO 78164-4 padding.</li>
<li>Julien Pasquier &lt;julienpasquier@#064free.fr&gt; - initial implementation of attribute classes from RFC 3126. Fix to KEKIdentifier, OtherKeyAttribute parsing. Initial ContentHints class.</li>
<li>Matteo &lt;matartuso@#064libero.it&gt; - sequence patch to ASN1Dump.</li>
<li>Andrew Paterson &lt;andrew.paterson@#064burnsec.com&gt; - patches to PGP tools, isRevoked method on PGPPublicKey.</li>
<li>Vladimir Molotkov &lt;vladimir.n.molotkov@#064intel.com&gt; - extensive provider exception handling compliance testing.</li>
<li>Florian Kollan &lt;adlocflo@#064web.de&gt; - fix to ElGamalKeyParameters equality testing.</li>
<li>Pavel Vassilev &lt;paulvass@#064gmail.com&gt; - Initial GOST28147Mac implementation.</li>
<li>Tom Pesman &lt;tom@#064tnux.net&gt; - addition of DES-ede encryption for RSAPrivate keys to PEMWriter.</li>
<li>Lukasz Kowalczyk &lt;lukasz.b.kowalczyk@#064gmail.com&gt; - patch to fix parsing issue with OpenSSL PEM based certificate requests.</li>
<li>Arndt Hasch &lt;Arndt.Hasch@#064maxence.de&gt; - additional fix for partial reading with new style PGP packets.</li>
<li>Fix Bernd (KCDP 11) &lt;bernd.fix@credit-suisse.com&gt; - fix for 31 byte issue and exception throwing by Whirlpool.</li>
<li>David M. Lee &lt;dmlee@#064crossroads.com&gt; - code for add and remove secret key in the PGPSecretKeyRing class. Additions to S/MIME and CMS unit tests.</li>
<li>Mike Dillon &lt;md5@#064embody.org&gt; - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.</li>
<li>tu-vi cung &lt;t2cung@#064hotmail.com&gt; - patch for out of bounds problem in getDecoderStream method.</li>
<li>Chris Schultz &lt;cschultz@#064gmail.com&gt; - fix for InputStream constructor for X509V2AttributeCertificate.</li>
<li>David M. Lee &lt;dmlee@#064crossroads.com&gt; - implementation assistance with streaming CMS classes.</li>
<li>Joel Rees &lt;rees@#064ddcom.co.jp&gt; - fix to correct getOID methods from returning same set on X.509 attribute certificates.</li>
<li>Francesc Sau &lt;francesc.sau@#064partners.netfocus.es&gt; - micro fix for tsp Accuracy class.</li>
<li>Larry Bugbee &lt;bugbee@#064mac.com&gt; - initial ECNR implementation.</li>
<li>Remi Blancher &lt;Remi.Blancher@#064keynectis.com&gt; - Contributions to TSP implementation. Initial implementation of RFC 3739 and ICAO ASN.1 classes.
Brian O'Rourke &lt;brianorourke@#064gmail.com&gt; - patch for signature creation time override in OpenPGP.

Andreas Schwier &lt;andreas.schwier@#064cardcontact.de&gt; - initial implementation of ISO9797 MAC Algorithm 3, addition of DES-EDE 64 MAC to the provider, fix to EC point encoding, addition of EC and RSA-PSS OIDs to CMS, addition of AES-CMAC and DESEde-CMAC to JCE provider.

David Josse &lt;david.josse@#064transacttools.net&gt; - Patch for trailer function in version 2 signature packets.

Kishimoto Kuzuhiko &lt;kazu-k@#064hi-ho.ne.jp&gt; - RFC 3280 updates to policy processing in the CertPath validator. Additional test data not covered by NIST.

Lawrence Tan &lt;lwrnctan@#064gmail.com&gt; - Large field OID sample test data. Missing key types in JDKKeyFactory.

Carlos Valiente &lt;superdupont@#064gmail.com&gt; - Addition of CRL writing to the PEMWriter class.

Keyon AG, Martin Christinat, &lt;http://www.keyon.ch&gt; http://www.keyon.ch - fixing incorrect ASN.1 encoding of field elements in X9FieldElement class.

Olaf Keller, &lt;olaf.keller.bc@#064bluewin.ch&gt; - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.

J&ouml;rg Eichhorn &lt;eichhorn@#064ponton-consulting.de&gt; - patch to fix EOF read on SharedFileInputStream, support for F2m compression.

Karsten Ohme &lt;widerstand@#064t-online.de&gt; - initial check against for out of range data on non byte aligned RSA keys. Addition of equals/hashCode on ECCurve.Fp. Additional curve type support for Fp, contributions to F2m compression. F2m decoding for ECPointUtil. Infinity fix and prime192v2 fix for Fp. Extra validation for RSA key creation. Fix to name types for some OpenSSL key generators. RFC-1779 table, improved RFC 2253 compliance for X509Name. Additional constructor validation for X.509/ESS ASN.1 classes. Validation for Printable, IA5, and Numeric Strings. Fix for RFC 5280 NameConstraint checking for RDNs.

Support for surrogate pairs in DERUTF8String, DER UTF8 test. Additional X.509 name attributes for ISIS-MTT, RFC 3039, addition of indirect CRL support, initial X509 LDAP CertStore implementation, CertificatePair class, and X509CertificatePair class. Contributions to X509Store/Parser infrastructure and design. CertPath support for implicit DSA parameters and a range of NameConstraints. Addition of support for V1 attribute certificates and attribute certificate path validation. Initial classes for ASN.1 ISIS-MTT support. Enhancements for improving compliance with the NIST CertPath tests.

Carlos Lozano Ruiz &lt;carlos@#064tradise.com&gt; - patch for &lt;ctrl&gt;&lt;m&gt; only handling in CRLFOutputStream.

John Alfred Prufrock &lt;j.a.prufrock@#064gmail.com&gt; - mods to GOST-3411 and MD2 to support ExtendedDigest.

Stefan Neusatz Guilhen &lt;stefan@#064gmail.com&gt; - initial version of RoleSyntax, improvements to AttributeCertificateHolder and AttributeCertificateIssuer.

Marzio Lo Giudice &lt;marzio.logiudice@#064gmail.com&gt; - fix to endianess in KDF2BytesGenerator, additional KDF2 tests.

Georg Lippold &lt;georg.lippold@#064gmx.de&gt; - initial implementation of NaccacheStern cipher.

Chris Viles &lt;chris_viles@#064yahoo.com&gt; - fix to SignatureSubpacket critical bit setting.

Pasi Eronen &lt;pasi.eronen@#064nokia.com&gt; - extra toString() support for ASN.1 library. Initial patch for large OID components.

encode method.</li>
<li>Maria Ivanova &lt;maria.ivanova@#064gmail.com&gt; - support for tags > 30 in ASN.1 parsing.</li>
<li>Armin H&auml;berling &lt;arminha@student.ethz.ch&gt; - first cut of internationalisation, initial PKIX validation classes.</li>
<li>Marius Schilder &lt;mschilder@#064google.com&gt; - main set of test vectors for Bleichenbacher's forgery attack.</li>
<li>Xavier Le Vouch &lt;xavier@#064brittanysoftware.com&gt; - general code clean ups.</li>
<li>Erik Tews &lt;e_tews@#064cde.informatik.tu-darmstadt.de&gt; - initial threaded random seed generator, constant-time PKCS#1.5 decoding.</li>
<li>Thomas Dixon &lt;reikomusha@#064gmail.com&gt; - initial implementations of TEA/XTEA, Salsa20, ISAAC, and Noekeon. XTEA enhancements.</li>
<li>Frank Cornelis &lt;info@#064frankcornelis.be&gt; - addition of crlAccessMethod in X509ObjectIdentifiers.</li>
<li>Rui Joaquim &lt;rjoaquim@#064cc.isel.ipl.pt&gt; - initial implementation of RSA blinding for signatures.</li>
<li>David Stacey &lt;DStacey@#064allantgroup.com&gt; - addition of trust packet checking on revocation signatures in PGPSecretKeyRing.</li>
<li>Martijn Brinkers &lt;list@#064mitm.nl&gt; - better exception handling in CMS enveloping, "just in time" modifications for CRL and Sequence evaluation.</li>
<li>Julius Davies &lt;juliusdavies@#064gmail.com&gt; - additional modes and algorithm support in PEMReader.</li>
<li>Matthias &lt;g@#064rtner.de&gt; - GnuPG compatibility changes for PBFileProcessor.</li>
<li>Olga K&amp;auml;thler &lt;olgak.aethler@#064hp-consulting.com&gt; - initial implementation of TeleTrusT EC curves, additional ISO 9797 MACs, contributions to EAC OIDs, addition of EAC algorithms to CMS Signing.</li>
<li>Germano Rizzo &lt;germano.rizzo@#064gmail.com&gt; - initial implementation of CMac, EAX, HC-128, and HC-256, optimisations for Salsa20.</li>
<li>N&amp;uuml;ria Mar&amp;iacute; &lt;numaa@#064hotmail.com&gt; - patch for alternate data type recognition in CMSSignedDataParser.</li>
<li>Janis Schuller &lt;js@#064tzi.de&gt; - addition of NotationData packets for OpenPGP.</li>
<li>Michael Samblanet &lt;Mike@#064samblanet.com&gt; - patches towards improved Sun/default provider support in CMS.</li>
<li>Mike StJohns &lt;mstjohns@#064comcast.net&gt; - patches for supporting empty subject in X.509 certificate generation, noneWithECDSA, updates to KeyPurposeId.</li>
<li>Ramon Keller &lt;ramon.keller@#064gmx.ch&gt; - patch to deal with null revocations return from other CRL in X509V2CRLGenerator.</li>
<li>Mark Nelson &lt;mark@#064nbr.com&gt; - correction to excluded DN in name constraints processing for PKIX processing.</li>
<li>Eugene Golushkov &lt;eugene_gff@#064ukr.net&gt; - mask fix to single byte read in TlsInputStream.</li>
<li>Julien Pasquier &lt;JulienPasquier@#064free.fr&gt; - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries.</li>
<li>Peter Knopp &lt;pknopp@#064mtg.de&gt; - fix for named curve recognition in ECGOST key generation.</li>
<li>Jakub Gwozdz &lt;gwozdziu@#064op.pl&gt; - addition of getTsa() to TimeStampTokenInfo.</li>
<li>Bartosz Malikowski &lt;Bmalkow@#064tigase.org&gt; - initial implementation of VMPC cipher, VMPCRandGenerator, VMPCMac.</li>
<li>Tal Yacobi &lt;tal.yacobi@#064octavia-tech.com&gt; - fix for issue in OpenPGP examples [#BJA-55].</li>
<li>Massimiliano Ziccardi &lt;Massimiliano.Ziccardi@#064gmail.comt&gt; - support for counter signature reading in CMS API, update for multiple counter signature attributes, JCA compliance patch for PEM parsing in CertificateFactory.</li>
<li>Andrey Pavlenko &lt;andrey.a.pavlenko@#064gmail.com&gt; - security manager patch for PKCS1Encoding.
property check.</li>
<li>J Ross Nicoll &lt;jrn@jrn.me.uk&gt; - improved exception handling for getInstance() in ASN.1 library.</li>
<li>Matthew Stevenson &lt;mavricknz@064yahoo.com&gt; - patch to constructor for CRMF CertSequence.</li>
<li>Gabriele Contini &lt;gcontini@064hotpop.com&gt; - identified a bug in ASN.1 library with handling of unterminated NDEF's.</li>
<li>Roelof Naude &lt;roelof.naude@064epiuse.com&gt; - patch for TLS client to send empty client certs in response to HP_CERTIFICATE_REQUEST.</li>
<li>Patrick Peck &lt;peck@064signature.at&gt; - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.</li>
<li>Michael LeMay &lt;lemaymd@064lemaymd.com&gt; - identified problem with EAX [#BJA-93].</li>
<li>Alex Dupre &lt;ale@064FreeBSD.org&gt; - fix to use of Signature rather than SignatureSpi in provider [#BJA-90]. Addition of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificationRequest</li>
<li>Michael Schoene &lt;michael@064sisgrid-und-michael.de&gt; - fix of improper handling of null in ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in TimeStampResponse.validate().</li>
<li>Ion Larrañaga &lt;ilarra@064s21sec.com&gt; - fix to default partial packet generation in BCPGOutputStream.</li>
<li>Bob Kerns &lt;bob.kerns@positscience.com&gt; - fix to hashCode for X509CertificateObject.</li>
<li>Stefan Meyer &lt;stefan.meyer@064ewe.de&gt; - backport for PKIXCertPathValidator and SMIMESignedMailReviewer.</li>
<li>Robert J. Moore &lt;Robert.J.Moore@064allanbank.com&gt; - speedups for OpenPGPCFB mode, clean room JCE patches.</li>
<li>Rui Hodai &lt;rui@064po.ntts.co.jp&gt; - speed ups for Camellia implementation, CamelliaLightEngine.</li>
<li>Emir Bucaloivc &lt;emir.bucaloivc@064mail.com&gt; - initial implementation of Grain-v1 and Grain-128.</li>
<li>Torbjorn Svensson &lt;tobbe.79r@064gmail.com&gt; - initial implementation of Grain-v1 and Grain-128.</li>
<li>Paul FitzPatrick &lt;bounceycastle_pfitz@064fitzpatrick.cc&gt; - error message fix to X509LDAPCertStoreSpi, comparison fix to BCStrictStyle.</li>
<li>Henrik Andersson &lt;k.henrik.andersson@064gmail.com&gt; - addition of UniqueIssuerID to certificate generation.</li>
<li>Cagdas Cirit &lt;cagdascirit@064gmail.com&gt; - subjectAlternativeName fix for x509CertStoreSelector.</li>
<li>Harakiri &lt;harakiri_23@064yahoo.com&gt; - datahandler patch for attached parts in SMIME signatures.</li>
<li>Pedro Henriques &lt;pmahenriques@064gmail.com&gt; - explicit bounds checking for DESKeyGenerator, code simplification for OAEPEncoding.</li>
<li>Lothar Kimmeringer &lt;l@064kimmeringer.de&gt; - verbose mode for ASN1Dump, support for DERExternal, DNS performance fix for SMIME API.</li>
<li>Richard Farr &lt;rfarr.se@064gmail.com&gt; - initial SRP-6a implementation.</li>
<li>Thomas Castiglione &lt;tcastiglione@064au.ibm.com&gt; - patch to encoding for CRMF OptionalValidity.</li>
<li>Elisabetta Romani &lt;eromani@064sogei.it&gt; - patch for recognising multiple counter signatures.</li>
<li>Robin Lundgren &lt;rt737lundgren@064gmail.com&gt; - CMPCertificate constructor from X509CertificateStructure fix.</li>
<li>Petr Kadlec &lt;mormegil@064centrum.cz&gt; - fix to sign extension key and IV problem in HC-128, HC-256.</li>
<li>Andreas Antener &lt;antener_a@064gmx.ch&gt; - fix to buffer reset in AsymmetricBufferedBlockCipher.</li>
<li>Harendra Rawat &lt;hrawat@064yahoo.com&gt; - fix for BERConstructedOctetString.</li>
<li>Rolf Lindemann &lt;rlindemann@064trustcenter.de&gt; - patch for PKCS12 key store to support more flexible attribute specifications [#BMA-42].</li>
Alex Artamonov &lt;alexart.home&#064gmail.com&gt; name look up patch for GOST-2001 parameters.

Mike Lyons &lt;mlyons&#0647tech.com&gt; work arounds for EC JDK bug 6738532 and JSSE EC naming conventions.

Chris Cole &lt;chris_h_cole&#064yahoo.com&gt; identified a problem handling null passwords when loading a BKS keystore.

Tomas Krivanek &lt;tom&#064atack.cz&gt; added checking of Sender header to SignedMailValidator.

Michael &lt;emfau&#064online.de&gt; correction of field error in getResponse method in CertRepMessage.

Trevor Perrin &lt;trevor&#064cryptography.com&gt; addition of constant time equals to avoid possible timing attacks.

Markus Kil&amp;aring;ns &lt;markus&#064primekey.se&gt; several enhancements to TimeStampResponseGenerator.

Dario Novakovic &lt;darionis&#064yahoo.com&gt; fix for NPE when checking revocation reason on CRL without extensions.

Michael Smith &lt;msmith&#064cbnco.com&gt; bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.

Andrea Zilio &lt;andrea.zilio&#064gmail.com&gt; fix for PEM password encryption of private keys.

Alex Birkett &lt;alex&#064birkett.co.uk&gt; added support for EC cipher suites in TLS client (RFC 4492) [#BJA-291].

Wayne Grant &lt;waynedgrant&#064gmail.com&gt; additional OIDs for PCKS10 and certificate generation support.

Frank Cornelis &lt;info&#064frankcornelis.be&gt; additional support classes for CAdES, enhancements to OCSP classes.

Jan Dittberner &lt;jan&#064dittberner.info&gt; addHeader patch for SMIME generator.

Bob McGowan &lt;boab.mcgoo&#064btinternet.com&gt; patch to support different object and mgf digests in PSS signing.

Ivo Matheis &lt;i.matheis&#064seeburger.de&gt; fix to padding verification in ISO-9796-1.

Marco Sandrini &lt;nessche&#064gmail.com&gt; patch to add IV to ISO9797Alg3Mac.

Alf Malf &lt;alfilmalf&#064hotmail.com&gt; removal of unnecessary limit in CMSContentInfoParser.

Alfonso Massa &lt;alfonso.massa&#064insiel.it&gt; contributions to CMS time stamp classes.

Giacomo Boccardo &lt;gboccardo&#064unicaspa.it&gt; initial work on CMSTimeStampedDataParser.

Arnis Tartu &lt;arnis&#064ut.ee&gt; patches for dealing with OIDs with specific key sizes associated in CMS.

Janusz Sikociiski &lt;j.sikociiski&#064gdzie.pl&gt; addition of Features subpacket support to OpenPGP API.

Juri Hudolejev &lt;jhudolejev&#064gmail.com&gt; JavaDoc fix to CMSHeaderDataParser.

Liane Velten &lt;liane.velten&#064consulting.com&gt; fine tuning of code for DHParameters validation.

Shawn Willden &lt;swillden&#064google.com&gt; additional functionality to PGPKeyRing.

Atanas Krachev &lt;akrachev&#064gmail.com&gt; added support for revocation signatures in OpenPGP.

Mickael Laiking &lt;mickael.laiking&#064keynectis.com&gt; initial cut of EAC classes.

Tim Buktu &lt;tbuktu&#064hotmail.com&gt; Initial implementation of NTRU signing and encryption.

Bernd &lt;rbernd&#064gmail.com&gt; Fix for open of PGP literal data stream with UTF-8 naming.

Steing Inge Morisbak &lt;stein.inge.morisbak&#064BEKK.no&gt; Test code for lower case Hex data in PEM headers.

Andreas Schmid &lt;andreas.schmid&#064tngtech.com&gt; Additional expiry time check in PGPKpublicKeys.
Phil Steitz &lt;phil.steitz#064gmail.com&gt;: Final patch eliminating JCE dependencies in the OpenPGP BC classes.


Petar Petrov &lt;p.petrov#064bers-soft.com&gt;: Testing and debugging of UTF-8 OpenPGP passwords.

Daniel Fitzpatrick &lt;daniel.f.nwr#064gmail.com&gt;: Initial implementation of ephemeral key support for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.

Andy Neilson &lt;Andy.Neilson#064quest.com&gt;: a further patches to deal with multiple providers and PEMReader.

Ted Shaw &lt;xiao.xj#064gmail.com&gt;: patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.

Eleriseth &lt;Eleriseth#WPECGLtYbVi8Rl6Y7VzLvd2EUVW99v3yNV3JWROG8.fms&gt;: speed up for SIC/CTR mode. Provider compatibility generalisations for EC operations.

Kenny Root &lt;kenny#064the-b.org&gt;: patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getIV() patch for AEAD.

Maarten Bodewes &lt;maarten.bodewes#064gmail.com&gt;: initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.

Philip Clay &lt;pilf_b#064gyahoo.com&gt;: Initial implementation of J-PAKE.

Brian Carlstrom &lt;bdc#064carlstrom.com&gt;: compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, initial provider PBKDF2WithHmacSHA1 SecretKeyFactory.

Samuel Lidèque:ute:n Borell &lt;samuel#064primekey.se&gt;: patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder.

Sergio Demian Lerner &lt;sergiolerner#064certimix.com&gt;: pointing out isInfinity issue in ECDSASigner signature verification.

Tim Whittington &lt;Tim.Whittington#064orionhealth.com&gt;: patch to remove extra init call in CMac, additional of Memoable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSalsa20, ChaCha, reduced round Salsa20, Threefish, and the Poly1305 MAC. Documentation updates. Added OCB support to Noekeon and CAST6 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInput/OutputStream implementations for use with AAD and subsequent bug fixes, cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSDBCrypt, PGP API documentation and code quality work.

Marcus Lundblad &lt;marcus.lundblad#064primekey.se&gt;: patch for working around JDK jarsigner TSP bug, optional setting of IssuerSerial in TimeStampTokenGenerator, additional extensions enhancement for time stamp token generation.

Andrey Zhozhin &lt;zhozhin#064xrm.ru&gt;: patch for override of TSP SignerInfo attributes.

Sergey Tiunov &lt;t5555d#064gmail.com&gt;: initial cut of DVCS classes.

Damian Kolasa &lt;fatfredy#064gmail.com&gt;: ASN1Sequence patch for class cast issue in X9Curve.

Ash Hughes &lt;ashley.hughes#064blueyonder.co.uk&gt;: patches for supporting PGPSecretKeyRing/PGPSecretKeys encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().

Daniel Hirscher &lt;dev#064daniel-hirscher.de&gt;: patch to support parsing of explicit EC parameters in PEM files.

Daniele Ricci &lt;daniele.athome#064gmail.com&gt;: initial implementation of EC keys for OpenPGP and RFC6637 support.
Matti Aarnio &lt;matti.aarnio&#064methics.fi&gt; tweaks to any build to remove dependence on shell scripts. Initial SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes, addition of NONEwithRSA to lightweight RSADigestSigner.

Babak Najafi &lt;bnajafi&#064akamai.com&gt; fixes to OpenPGP NotationData to prevent truncation problems.

Eric M&amp;uuml;ller &lt;eric.mueller&#064j2sage.de&gt; additional standard algorithm name lookups in JcaPEMKeyConverter.

Mathias Herberts &lt;Mathias.Herberts&#064gmail.com&gt; fix to inOff usage in RFC3394WrapEngine.

Daniil Ivanov &lt;daniil.ivanov&#064gmail.com&gt; addition of provider support for GOST HMAC SecretKeyFactory.

Daniele Grasso &lt;daniele.grasso86&#064gmail.com&gt; contributions to final Key calculation code for SRP6.

Andrey Utkin &lt;cindrhc&#064gmail.com&gt; patch to reconstruction of ECGOST keys from PrivateKeyInfo objects in provider classes.

Arnis Tartu &lt;arnis&#064ut.ee&gt; checker for generated key vs OID in JceCMSContentEncryptorBuilder.

AxelVDB &lt;axel-vdb&amp;#064riseup.net&gt; initial implementation of Shacalf.

Roberto Tyley &lt;rtyley&#064gmail.com&gt; further work on completing gradle build.

Waldemar Dick &lt;wdick&amp;#064devmue.de&gt; code improvement in x500 ASN.1 package.

Sid Steward &lt;sid.steward&amp;#064pdflabs.com&gt; code improvements to ASN1Boolean.

Alex Klyubin &lt;alex.klyubin&amp;#064google.com&gt; AlgorithmParameters check for EC key agreement.

Jonathan Gillett &lt;gsoc.student&amp;#064gmail.com&gt; Initial support for block cipher IVs in IESEngine, IES MAC length check bug fix.

Andreas Reiter &lt;andreas.reiter&amp;#064iak.tugraz.at&gt; Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.

Kieran Miller &lt;kieran.miller&amp;#064gmail.com&gt; initial implementation for RFC 5649 key wrap with padding.

Oliver Ehli &lt;ehli&amp;#064arago.de&gt; Additional support for BSI plain ECDSA in the provider.

Daniel Heldt &lt;Daniel.Heldt&amp;#064cryptovision.com&gt; Initial support for encodable state message digests.

Robert Bushman &lt;bouncycastle&amp;#064traxel.com&gt; Clean up of DirectKeySignature example.

Maurice Aarts &lt;aarts&amp;#064risecure.com&gt; updated to KDF generator to follow NIST SP 800-108.

Franziskus Kiefer &lt;https://github.com/franziskuskiefer&gt; initial implementation of Cramer-Shoup.

KB Sriram &lt;mail_kb&amp;#064yahoo.com&gt; testing for odd encodings for PGP User Attribute Subpackets.

Marco Schulze &lt;marco&amp;#064nightlabs.de&gt; Reported verification bug in GenericSigner.

Martin Schaefer &lt;https://github.com/martinschaefer&gt; contributed a code-cleanup patch.

dstutz &lt;https://github.com/dstutz&gt; added iteration count setters to PKCS#12 PBE mac/key generator builders.

Tobias Wich &lt;tosias.wich&amp;#064csec.de&gt; Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.

Hauke Mehrten &lt;hauke&amp;#064hauke-m.de&gt; TLS patch to add ECDHE_ECDSA CCM ciphersuites from RFC 7251.

Daniel Zimmerman &lt;dmz&amp;#064galois.com&gt; Further key quality improvements to RSAKeyPairGenerator.

Jens Kapitzka &lt;tk.kapitzka&amp;#064schwarze-allianz.de&gt; Iterable support in OpenPGP API, code cleanup in OpenPGP API.

Johan Eklund &lt;johan&amp;#064primekey.se&gt; update to RFC 6960 for OCSPObjectIdentifiers.
<li>nikosn &lt;https://github.com/nikosn&gt; Fix to encoding of EC private keys to ensure encoding matches order length.</li>
<li>Axel von dem Bruch &lt;axel-vdb@#064riseup.net&gt; Contributions to BCrypt/OpenBSD BCrypt, original version of Blake2bDigest.</li>
<li>Derek Atkins &lt;derek@#064htfp.com&gt; Documentation fixes to X9ObjectIdentifiers.</li>
<li>Peter Jr Halicky &lt;peto@#064halicky.sk&gt; Correction to notification/error message handling in SignedMailValidator.</li>
<li>lartiguePierre &lt;https://github.com/lartiguePierre&gt; Fix for counter signature SID in CMSSignedData.</li>
<li>Thomas Belot &lt;thomas.belot+BC@#064gmail.com&gt; initial CertPathLoopTest for demonstrating stack overflow issue.</li>
<li>Rich DiCroce &lt;https://github.com/rdcroce&gt; Initial implementation of server-side TLS-SRP support. TLS API extension to support non-blocking usage.</li>
<li>Bjorn Kautler &lt;https://github.com/Vampire&gt; Refinements to cert path validation (authority key addition, certificate order preservation).</li>
<li>Dominik Sch&amp;uuml;rman &lt;https://github.com/dschuermann&gt; method for returning signatures/verifications without user IDs on PGPPublicKey, method for exposing S2K in PGPSecretKey, constants for GNU protection modes in S2K classes, optional version header for armored output.</li>
<li>Michael &lt;MSKnete@#064web.de&gt; initial fix for bitStrength issue for OpenPGP EC keys, correction for generic type on RecipientInformationStore.</li>
<li>Leonard Dallot &lt;https://github.com/dallotTazTag&gt; Fix to S2K usage of none on changing passwords on keys without passwords originally.</li>
<li>Jan Willem Janssen &lt;j.w.janssen+bouncycastle@#064lxteme.nl&gt; Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial object signer verifier for BC lightweight EC.</li>
<li>Sebastian Oerding &lt;sebastian.oerding@robotron.de&gt; Fixes to toString() in x509.CertificatePolicies.</li>
<li>Kai Kramer &lt;kai.kramer@#064gmail.com&gt; Code to deal with orphaned chain certificates in the PKCS#12 KeyStore.</li>
<li>Benoit Charles &lt;benoit.charles@opentrust.com&gt; Fix for IES data length check on decryption.</li>
<li>Niko &lt;nfink@#064gmail.com&gt; fix to cast issue in getOutputSize() for ECIES.</li>
<li>akwizgran &lt;https://github.com/akwizgran&gt; Fixed clone of key in Blake2bDigest copy constructor, blake2b reset issue for variant keys.</li>
<li>Matthias Edelhoff &lt;Matthias.Edelhoff@#064cryptovision.com&gt; BasicConstraintsValidation pathlen fix in PKIX certpath classes.</li>
<li>Lukasz Deputat &lt;lukasz.deputat@#064gmail.com&gt; Fixed bugs in TlsUtils read methods [#BJA-592].</li>
<li>Justin Ludwig &lt;https://github.com/justinludwig&gt; Iterator fix for PGPObjectFactory to handle stream packets at start of iterated data.</li>
<li>Andr&eacute; Berenguel &lt;https://github.com/aberenguel&gt; Fix to include ECNamedCurveSpec in EC AlgorithmParameterSpi.</li>
<li>Slawomir Jaranowski &lt;https://github.com/slawekjaranowski&gt; Patch to make cipher/hash/signature name methods in PGP internal API public.</li>
<li>Andrey Vasilyev &lt;https://github.com/andrey-vasilyev&gt; Initial implementation of GOST R 34.11-2012.
William Glanton &lt;wglanton77#064gmail.com&gt; Fixed bug in Poly1305 [#BJA-620].

jdvorak001 &lt;https://github.com/jdvorak001&gt; Speed improvements for ASN.1 ObjectIdentifier cache.

Joseph Naegle &lt;jnaegele#064grierforensics.com&gt; Patch for handling multiple certificates in a DANE SMIMEA entry.


The Google Security Team (Project Wycheproof) &lt;https://github.com/google/wycheproof&gt; defect analysis and additional test cases for the provider.

Gorka Irazoqui &lt;girazoki#064wpi.edu&gt; from Intel Security Center of Excellence &lt;https://security-center.intel.com&gt; detection of the issue with AESFastEngine (CVE-2016-1000339), additional suggestions for improvement to hardening of AESEngine and finding cache sensitivities in EC key generation/signing.

Joerg Senekowitsch &lt;joerg.senekowitsch#064veridos.com&gt; patch to deal with hard coded boolean in EAC ECDSA PubKey.

Alexandr Krivoshta &lt;wipe#064ya.ru&gt; N4 calculation fix to GOFB mode.

Artem Storozhuk &lt;storojs72#064gmail.com&gt; N4 calculation fix to GOFB mode.

Na Yu &lt;na.yu#064samsung.com&gt; Constructor patches to CMC PKIData.

Evangelos Karatsiolis &lt;ekaratsiolis#064mtg.de&gt; Corrected use of explicit tagging in X.509 PolicyConstraints class.

VivleSoren &lt;https://github.com/VivleSoren&gt; additional constructor for McElieceCCA2PrivateKeyParameters.

mtausig &lt;https://github.com/mtausig&gt; JavaDoc fix for MCSEncryptedDataGenerator.


Sebastian Wolfgang Roland &lt;sebastianwolfgang.roland#064stud.tu-darmstadt.de&gt; Initial XMSS/XMSS-MT implementation.

didisofit &lt;https://github.com/didisofit&gt; test code for PGP signature removal involving user ids.

Mike Safonov &lt;https://github.com/MikeSafonov&gt; initial implementation of GOST3410-2012 for lightweight provider and JCA, parameters patches for ECGOST keys, initial implementation of GOST3412-2015, addition of fromExtensions() for CRLDistPoint.

Artem Storozhuk &lt;storojs72#064gmail.com&gt; initial implementation of DSTU7564 (digest) and DSTU7624 (cipher) and their associated modes.

Andreas Glaser &lt;andreas.glaser#064gi-de.com&gt; patch to recognise ANSSI curves for PKCS#10 requests.

codeborne &lt;https://github.com/cbxp&gt; patch to correct OIDs used in public key digest parameters for ECGOST-2012.

FauxFaux &lt;https://github.com/FauxFaux&gt; patch for JDK 1.9 update to DRBG.java.

4garbage &lt;https://github.com/4garbage&gt; patch to allow GOST3410-94 private keys encoded as integers.

ekszz &lt;https://github.com/ekszz&gt; corrections to SM2 signer to include default identity value.

jminer &lt;https://github.com/jminer&gt; fix to Blake2b for hashes in range of 2**64-127 to 2**64.

str4d &lt;https://github.com/str4d&gt; initial implementation of Blake2s.

Scott Woodward &lt;scott#064bit3consulting.com&gt; performance fixes for CTRSP800DRBG.

David Strawn &lt;https://github.com/isomarcte&gt; fix for off by one error in SCRYPT bounds checking.

chris mccown &lt;0xchrismccown#064gmail.com&gt; identification of serialisation issue with XMSS/XMSSMT private keys (see also CVE-2018-1000613).

ZZMarquis &lt;https://github.com/ZZMarquis&gt; offset patches for SM2 encryption and decryption, improvement to Array constant time comparison.

Andreas Kretschmer &lt;https://github.com/Akretscht&gt; NPE fix for CertTemplate.getVersion().

Armin Lunkeit, Michael Tautenhahn &lt;&lt;identification of M-R test issue on higher certainty values in RSA.
key pair generation.

- Vincent Breitmoser &lt;https://github.com/Valodim&gt;: fix to ignore unnecessary checksum calculator on PGP secret key encryption.

- Adam Vartanian &lt;https://github.com/flooeys&gt;: use of ShortBuffer exception and buffer size pre-check in Cipher.doFinal().

- Bernd &lt;https://github.com/ecki&gt;: Fix to make PGPUtility.pipeFileContents use buffer and not leak file handle.

- Shartung &lt;https://github.com/shartung&gt;: Additional EC Key Agreement algorithms in support of German BSI TR-03111.

- Paul Schaub &lt;https://github.com/vanitasvitae&gt;: bringing PGPSecretKey.getUserIds() into line with PGPPublicKey.getUserIds(). Exception message fix in BcPublicKeyDataDecryptorFactory. Additional tests on PGP key ring generation.

- Nick of Nexxar &lt;https://github.com/nros&gt;: update to OpenPGP package to handle a broader range of EC curves.

- catbref &lt;https://github.com/catbref&gt;: sample implementation of RFC 7748/Ed25519 (incorporated work from github users Valodim and str4d as well).

- gerlion &lt;https://github.com/gerlion&gt;: detection of concurrency issue with pre-1.60 EC math library.

- fgrieu &lt;fgrieu&#064;gmail.com&gt;: identification and suggested fixes for possible timing vulnerability in OAEPEncoding and RSACoreEngine.

- MTG &lt;https://github.com/mtgag&gt;: patch for decoding issues in PKIPublicationInfo and CertifiedKeyPair.

- Andreas Gadermaier &lt;up.gadermaier&#064;gmail.com&gt;: initial version of Argon2 PBKDF algorithm.

- Tony Washer &lt;tony.washer@yaho.co.uk&gt;: review of qTesla, Java 1.9 module code, additional test code and debugging for GOST, DSTU, and ECNR algorithms. Initial lightweight implementation of the ZUC ciphers and macs.

- Vincent Bouckaert &lt;https://github.com/veebee&gt;: initial version of RFC 4998 ASN.1 classes.


- Gabriel Sroka &lt;https://github.com/gabrielsroka&gt;: corrected comments in RSA validation.

- sarah-mdv &lt;https://github.com/sarah-mdv&gt;: improvements to JceKeyTransRecipientInfoGenerator, tests for JournalingSecureRandom, initial implementation of JounaledAlgorithm.


- Gilis95 &lt;https://github.com/Gilis95&gt;: improved JSSE compatibility for setEnabledCipherSuites.


- Antoine Toulme &lt;https://github.com/atoumlme&gt;: Initial implementation of EthereumIESEngine.


- Moses Palm&ecut;r, TrueSec &lt;Henrik.Palmer&#064;truesec.se&gt;: Additional improvements to constant time comparisons.

- Ren&ecut;e Korthaus &lt;https://github.com/securitykernel&gt;: Update to XMSS/XMSS^MT OID values to bring them in line with RFC 8391.


- Nick hitchan &lt;https://github.com/hitchan&gt;: Fix for typo in engineInitSign() in EdEc SignatureSpi.


- Daniel Heldt &lt;https://github.com/dheldt&gt;: Fixing encodings in unicode tests to allow a wider range of Java
compilers to work. Tweak to inheritance in JceKeyAgreeRecipient.

- Ugochukwu Mmaduekwe [https://github.com/Xor-el]: Fix for initially bugged legacy Integers.numberOfLeadingZeros method.
- Gsealy [https://github.com/Gsealy]: addition of PBKDF2withHmacSM3 to the provider.
- aphuang2013 [https://github.com/aphuang2013]: update to path validation in EST service for ClearPath EST.
- Kevin Herron [https://github.com/kevinherron]: Initial ChaCha20Poly1305 prototype.
- vkreml [https://github.com/svkreml]: GOST compliance change for DefaultCMSSignatureEncryptionAlgorithmFinder.
- Tobias Ospelt [https://github.com/tobias#064pentagrid.ch]: Identification of 1.63 regression in ASN.1 parsing.

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1.1005 zipkin-ui 2.8.3

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1.1008 jprocesses 1.6.4

1.1009 sshfs-fuse 2.8 1
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    */

    package com.hazelcast.security.permission;
public class SetPermission extends ListPermission {

    public SetPermission(String name, String... actions) {
        super(name, actions);
    }
}

public class CachePermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN;

    public CachePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {

            }
        }
    }
}
mask |= DESTROY;
} else if (ActionConstants.ACTION_PUT.equals(action)) {
    mask |= PUT;
} else if (ActionConstants.ACTION_REMOVE.equals(action)) {
    mask |= REMOVE;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
} else if (ActionConstants.ACTION_LISTEN.equals(action)) {
    mask |= LISTEN;
}

return mask;
}
}

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 */

package com.hazelcast.security.permission;

import java.security.Permission;

/**
 *changes
 */

public class ConfigPermission extends ClusterPermission {

    private static final String CONFIG_PERMISSION_NAME = "<config>";
    private static final String CONFIG_PERMISSION_ACTIONS = "config";

    public ConfigPermission() {
        super(CONFIG_PERMISSION_NAME);
    }

    @Override
    public boolean implies(Permission permission) {

        return false;
    }

    public static void main(String[] args) {
        ConfigPermission configPermission = new ConfigPermission();
        System.out.println(configPermission.impliedBy(new AllPermission()));
    }

    public boolean equals(Permission other) {
        return other instanceof ConfigPermission &&
                (configPermission.equals(((ConfigPermission) other).getPermission()));
    }

    public int hashCode() {
        return 37;
    }

    public String getActionNames() {
        return CONFIG_PERMISSION_ACTIONS;
    }

    public String getName() {
        return CONFIG_PERMISSION_NAME;
    }
}

package com.hazelcast.security.permission;

import java.security.Permission;

/**
 *changes
 */

public class ConfigPermission extends ClusterPermission {

    private static final String CONFIG_PERMISSION_NAME = "<config>";
    private static final String CONFIG_PERMISSION_ACTIONS = "config";

    public ConfigPermission() {
        super(CONFIG_PERMISSION_NAME);
    }

    @Override
    public boolean implies(Permission permission) {

        return false;
    }

    public static void main(String[] args) {
        ConfigPermission configPermission = new ConfigPermission();
        System.out.println(configPermission.impliedBy(new AllPermission()));
    }

    public boolean equals(Permission other) {
        return other instanceof ConfigPermission &&
                (configPermission.equals(((ConfigPermission) other).getPermission()));
    }

    public int hashCode() {
        return 37;
    }

    public String getActionNames() {
        return CONFIG_PERMISSION_ACTIONS;
    }

    public String getName() {
        return CONFIG_PERMISSION_NAME;
    }
}

package com.hazelcast.security.permission;

import java.security.Permission;

/**
 *changes
 */

public class ConfigPermission extends ClusterPermission {

    private static final String CONFIG_PERMISSION_NAME = "<config>";
    private static final String CONFIG_PERMISSION_ACTIONS = "config";

    public ConfigPermission() {
        super(CONFIG_PERMISSION_NAME);
    }

    @Override
    public boolean implies(Permission permission) {

        return false;
    }

    public static void main(String[] args) {
        ConfigPermission configPermission = new ConfigPermission();
        System.out.println(configPermission.impliedBy(new AllPermission()));
    }

    public boolean equals(Permission other) {
        return other instanceof ConfigPermission &&
                (configPermission.equals(((ConfigPermission) other).getPermission()));
    }

    public int hashCode() {
        return 37;
    }

    public String getActionNames() {
        return CONFIG_PERMISSION_ACTIONS;
    }

    public String getName() {
        return CONFIG_PERMISSION_NAME;
    }
}
return getClass() == permission.getClass();
}

@Override
public String getActions() {
    return CONFIG_PERMISSION_ACTIONS;
}
}
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*/

package com.hazelcast.security.permission;

public class PNCounterPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public PNCounterPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
mask |= READ;
} else if (ActionConstants.ACTION_MODIFY.equals(action)) {
    mask |= MODIFY;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
}
}
return mask;
}
} /*
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 */
package com.hazelcast.security.permission;
import com.hazelcast.config.matcher.WildcardConfigPatternMatcher;
import java.security.Permission;
/**
 * TODO: Object Permission
 */
public abstract class InstancePermission extends ClusterPermission {

    protected static final int NONE = 0;
    protected static final int CREATE = 1;
    protected static final int DESTROY = 2;

    private static final WildcardConfigPatternMatcher CONFIG_PATTERN_MATCHER = new WildcardConfigPatternMatcher();

    protected final int mask;
    protected final String actions;

    public InstancePermission(String name, String... actions) {

super(name);
if (name == null || name.equals(name)) {
    throw new IllegalArgumentException("Permission name is mandatory!");
}
mask = initMask(actions);

final StringBuilder s = new StringBuilder();
for (String action : actions) {
    s.append(action).append(" ");
}
// trim the trailing space
if (s.length() > 0) {
    s.setLength(s.length() - 1);
}
this.actions = s.toString();

/**
 * init mask
 */
protected abstract int initMask(String[] actions);

@Override
public boolean implies(Permission permission) {
    if (this.getClass() != permission.getClass()) {
        return false;
    }
    InstancePermission that = (InstancePermission) permission;
    boolean maskTest = ((this.mask & that.mask) == that.mask);
    if (!maskTest) {
        return false;
    }
    return CONFIG_PATTERN_MATCHER.matches(getName(), that.getName());
}

@Override
public String getActions() {
    return actions;
}

@Override
public int hashCode() {
    int result = super.hashCode();
    result = 31 * result + mask;
    result = 31 * result + actions.hashCode();
}
return result;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    InstancePermission other = (InstancePermission) obj;
    if (getName() == null && other.getName() != null) {
        return false;
    }
    if (!getName().equals(other.getName())) {
        return false;
    }
    if (mask != other.mask) {
        return false;
    }
    return true;
}

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 *
*/

package com.hazelcast.security.permission;

public class ScheduledExecutorPermission
    extends InstancePermission {

private static final int READ = 4;
private static final int MODIFY = 8;

private static final int ALL = READ | MODIFY | CREATE | DESTROY;

public ScheduledExecutorPermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
            mask |= MODIFY;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        }
    }
    return mask;
}

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 */

package com.hazelcast.security.permission;
public class ExecutorServicePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public ExecutorServicePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }

        return mask;
    }
}

package com.hazelcast.security.permission;

public class MapPermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;

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     */

    package com.hazelcast.security.permission;

    public class MapPermission extends InstancePermission {

        private static final int PUT = 4;
        private static final int REMOVE = 8;
        private static final int READ = 16;
private static final int LISTEN = 32;
private static final int LOCK = 64;
private static final int INDEX = 128;
private static final int INTERCEPT = 256;
private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX |
INTERCEPT;

public MapPermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
    }

    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    } else if (ActionConstants.ACTION_PUT.equals(action)) {
        mask |= PUT;
    } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
        mask |= REMOVE;
    } else if (ActionConstants.ACTION_READ.equals(action)) {
        mask |= READ;
    } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
        mask |= LISTEN;
    } else if (ActionConstants.ACTION_LOCK.equals(action)) {
        mask |= LOCK;
    } else if (ActionConstants.ACTION_INDEX.equals(action)) {
        mask |= INDEX;
    } else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
        mask |= INTERCEPT;
    }
    return mask;
}
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 */
package com.hazelcast.security.permission;

import com.hazelcast.cache.impl.CacheService;
import com.hazelcast.cardinality.impl.CardinalityEstimatorService;
import com.hazelcast.collection.impl.list.ListService;
import com.hazelcast.collection.impl.queue.QueueService;
import com.hazelcast.collection.impl.set.SetService;
import com.hazelcast.concurrent.atomiclong.AtomicLongService;
import com.hazelcast.concurrent.countdownlatch.CountDownLatchService;
import com.hazelcast.concurrent.lock.LockService;
import com.hazelcast.concurrent.semaphore.SemaphoreService;
import com.hazelcast.cp.internal.datastructures.atomiclong.RaftAtomicLongService;
import com.hazelcast.cp.internal.datastructures.atomicref.RaftAtomicRefService;
import com.hazelcast.cp.internal.datastructures.countdownlatch.RaftCountDownLatchService;
import com.hazelcast.cp.internal.datastructures.lock.RaftLockService;
import com.hazelcast.cp.internal.datastructures.semaphore.RaftSemaphoreService;
import com.hazelcast.crdt.pncounter.PNCounterService;
import com.hazelcast.durableexecutor.impl.DistributedDurableExecutorService;
import com.hazelcast.executor.impl.DistributedExecutorService;
import com.hazelcast.flakeidgen.impl.FlakeIdGeneratorService;
import com.hazelcast.internal.usercodedeployment.UserCodeDeploymentService;
import com.hazelcast.map.impl.MapService;
import com.hazelcast.mapreduce.impl.MapReduceService;
import com.hazelcast.multimap.impl.MultiMapService;
import com.hazelcast.replicatedmap.impl.ReplicatedMapService;
import com.hazelcast.ringbuffer.impl.RingbufferService;
import com.hazelcast.topic.impl.TopicService;

import java.security.Permission;
import java.util.HashMap;
import java.util.Map;

@ SuppressWarnings("checkstyle:executablestatementcount")
public final class ActionConstants {

    public static final String ACTION_ALL = "all";

}
public static final String ACTION_CREATE = "create";
public static final String ACTION_DESTROY = "destroy";
public static final String ACTION_MODIFY = "modify";
public static final String ACTION_READ = "read";
public static final String ACTION_REMOVE = "remove";
public static final String ACTION_LOCK = "lock";
public static final String ACTION_LISTEN = "listen";
public static final String ACTION_RELEASE = "release";
public static final String ACTION_ACQUIRE = "acquire";
public static final String ACTION_PUT = "put";
public static final String ACTION_ADD = "add";
public static final String ACTION_INDEX = "index";
public static final String ACTION_INTERCEPT = "intercept";
public static final String ACTION_PUBLISH = "publish";
public static final String ACTION_AGGREGATE = "aggregate";
public static final String ACTION_PROJECTION = "projection";
public static final String ACTION_USER_CODE_DEPLOY = "deploy";

private static final Map<String, PermissionFactory> PERMISSION_FACTORY_MAP = new HashMap<String,
PermissionFactory>();

static {
    PERMISSION_FACTORY_MAP.put(QueueService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new QueuePermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(MapService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new MapPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(MultiMapService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new MultiMapPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(ListService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new ListPermission(name, actions);
        }
    });
}
PERMISSION_FACTORY_MAP.put(SetService.SERVICE_NAME, new PermissionFactory() {

    @Override
    public Permission create(String name, String... actions) {
        return new SetPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(AtomicLongService.SERVICE_NAME, new PermissionFactory() {

    @Override
    public Permission create(String name, String... actions) {
        return new AtomicLongPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(RaftAtomicLongService.SERVICE_NAME, new PermissionFactory() {

    @Override
    public Permission create(String name, String... actions) {
        return new AtomicLongPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(CountDownLatchService.SERVICE_NAME, new PermissionFactory() {

    @Override
    public Permission create(String name, String... actions) {
        return new CountDownLatchPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(RaftCountDownLatchService.SERVICE_NAME, new PermissionFactory() {

    @Override
    public Permission create(String name, String... actions) {
        return new CountDownLatchPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(SemaphoreService.SERVICE_NAME, new PermissionFactory() {

    @Override
    public Permission create(String name, String... actions) {
        return new SemaphorePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(RaftSemaphoreService.SERVICE_NAME, new PermissionFactory() {

    @Override
    public Permission create(String name, String... actions) {
        return new SemaphorePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(TopicService.SERVICE_NAME, new PermissionFactory() {

    @Override
    public Permission create(String name, String... actions) {
       return new TopicPermission(name, actions);
    }
});
return new TopicPermission(name, actions);

});

PERMISSION_FACTORY_MAP.put(LockService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new LockPermission(name, actions);
    }

});

PERMISSION_FACTORY_MAP.put(RaftLockService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new LockPermission(name, actions);
    }

});

PERMISSION_FACTORY_MAP.put(DistributedExecutorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ExecutorServicePermission(name, actions);
    }

});

PERMISSION_FACTORY_MAP.put(IdGeneratorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicLongPermission(IdGeneratorService.ATOMIC_LONG_NAME + name, actions);
    }

});

PERMISSION_FACTORY_MAP.put(FlakeIdGeneratorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new FlakeIdGeneratorPermission(name, actions);
    }

});

PERMISSION_FACTORY_MAP.put(MapReduceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new MapReducePermission(name, actions);
    }

});

PERMISSION_FACTORY_MAP.put(ReplicatedMapService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ReplicatedMapPermission(name, actions);
    }

});

PERMISSION_FACTORY_MAP.put(AtomicReferenceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicReferencePermission(name, actions);
    }

});
public Permission create(String name, String... actions) {
    return new AtomicReferencePermission(name, actions);
}
});

PERMISSION_FACTORY_MAP.put(RaftAtomicRefService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicReferencePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(CacheService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CachePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(RingbufferService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new RingBufferPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(DistributedDurableExecutorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new DurableExecutorServicePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(CardinalityEstimatorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CardinalityEstimatorPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(UserCodeDeploymentService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new UserCodeDeploymentPermission(actions);
    }
});

PERMISSION_FACTORY_MAP.put(PNCounterService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new PNCounterPermission(name, actions);
    }
});
private interface PermissionFactory {
    Permission create(String name, String... actions);
}

/**
 * Creates a permission
 *
 * @param name
 * @param serviceName
 * @param actions
 * @return the created Permission
 * @throws java.lang.IllegalArgumentException if there is no service found with the given serviceName.
 */
public static Permission getPermission(String name, String serviceName, String... actions) {
    PermissionFactory permissionFactory = PERMISSION_FACTORY_MAP.get(serviceName);
    if (permissionFactory == null) {
        throw new IllegalArgumentException("No permissions found for service: " + serviceName);
    }

    return permissionFactory.create(name, actions);
}

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 */

package com.hazelcast.security.permission;

public class DurableExecutorServicePermission extends InstancePermission {

private static final int ALL = CREATE | DESTROY;

public DurableExecutorServicePermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        }
    }

    return mask;
}

package com.hazelcast.security.permission;

public class AtomicReferencePermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = READ | MODIFY | CREATE | DESTROY;


public AtomicReferencePermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
    }
    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_READ.equals(action)) {
        mask |= READ;
    } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
        mask |= MODIFY;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    }
    return mask;
}

package com.hazelcast.security.permission;

public class ListPermission extends InstancePermission {

    private static final int ADD = 4;
    private static final int READ = 8;

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     */

    // Other code...

private static final int REMOVE = 16;
private static final int LISTEN = 32;
private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

public ListPermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_ADD.equals(action)) {
            mask |= ADD;
        } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
            mask |= REMOVE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        }
    }
    return mask;
}

# Jackson JSON processor

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

## Licensing

Jackson core and extension components may licensed under different licenses. To find the details that apply to this artifact see the accompanying LICENSE file. For more information, including possible other licensing options, contact FasterXML.com (http://fasterxml.com).
## Credits

A list of contributors may be found from CREDITS file, which is included in some artifacts (usually source distributions); but is always available from the source code management (SCM) system project uses.

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 */

package com.hazelcast.security.permission;

import com.hazelcast.internal.usercodedeployment.UserCodeDeploymentService;

public classUserCodeDeploymentPermission extends InstancePermission {

    private static final int DEPLOY = 4;
    private static final int ALL = DEPLOY;

public UserCodeDeploymentPermission(String... actions) {
    super(UserCodeDeploymentService.SERVICE_NAME, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
    }

    if (ActionConstants.ACTION_USER_CODE_DEPLOY.equals(action)) {
        mask |= DEPLOY;
    }

    return mask;
}

package com.hazelcast.security.permission;

/**
 * To be able to map-reduce from a client in a secure environment
 */
public class MapReducePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public MapReducePermission(String name, String... actions) {
        super(name, actions);
    }

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     */
@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        }
    }
    return mask;
}

package com.hazelcast.security.permission;

import java.security.Permission;

public class TransactionPermission extends ClusterPermission {

    public TransactionPermission() {
        super("<transaction>");
    }

    @Override
    public boolean implies(Permission permission) {
        return getClass() == permission.getClass();
    }

    public boolean implies(String permission) {
        return actionNames[0] == permission;
    }

    public String getName() {
        return ActionConstants.ACTION_CREATE;
    }
}

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 */

package com.hazelcast.security.permission;
@Override
public String getActions() {
    return "transaction";
}
}

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 */

package com.hazelcast.security.permission;

public class SemaphorePermission extends InstancePermission {

    private static final int ACQUIRE = 4;
    private static final int RELEASE = 8;
    private static final int READ = 16;

    private static final int ALL = CREATE | DESTROY | ACQUIRE | RELEASE | READ;

    public SemaphorePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            mask = mask | getMask(action);
        }
        return mask;
    }

    private int getMask(String action) {
        int mask = 0;
        if (action.equals("acquire")) {
            mask = ACQUIRE;
        }
        if (action.equals("release")) {
            mask = RELEASE;
        }
        if (action.equals("read")) {
            mask = READ;
        }
        return mask;
    }
}
if (ActionConstants.ACTION_ALL.equals(action)) {
    return ALL;
}

if (ActionConstants.ACTION_CREATE.equals(action)) {
    mask |= CREATE;
} else if (ActionConstants.ACTION_ACQUIRE.equals(action)) {
    mask |= ACQUIRE;
} else if (ActionConstants.ACTION_RELEASE.equals(action)) {
    mask |= RELEASE;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
}

return mask;

public class CardinalityEstimatorPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public CardinalityEstimatorPermission(String name, String... actions) {
        super(name, actions);
    }

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     */
@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
            mask |= MODIFY;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        }
    }
    return mask;
}

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package com.hazelcast.security.permission;

public class TopicPermission extends InstancePermission {

    private static final int PUBLISH = 4;
    private static final int LISTEN = 8;
    private static final int ALL = CREATE | DESTROY | LISTEN | PUBLISH;

    public TopicPermission(String name, String... actions) {
        super(name, actions);
    }
}
@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_PUBLISH.equals(action)) {
            mask |= PUBLISH;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        }
    }
    return mask;
}

package com.hazelcast.security.permission;

public class RingBufferPermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int READ = 8;
    private static final int ALL = PUT | READ;

    public RingBufferPermission(String name, String... actions) {
        super(name, actions);
    }

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     * limitations under the License.
     */
@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_PUT.equals(action)) {
            mask |= PUT;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        }
    }
    return mask;
}
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 */
package com.hazelcast.security.permission;
import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public final class AllPermissions extends ClusterPermission {
    public AllPermissions() {


super("<all permissions>");
}

@Override
public boolean implies(Permission permission) {
    return true;
}

@Override
public String getActions() {
    return "<all actions>";
}

@Override
public PermissionCollection newPermissionCollection() {
    return new AllPermissionsCollection();
}

@Override
public String toString() {
    return "<allow all permissions>";
}

@Override
public boolean equals(Object obj) {
    return obj instanceof AllPermissions;
}

@Override
public int hashCode() {
    return 111;
}

public static final class AllPermissionsCollection extends PermissionCollection {
    private static final AllPermissions ALL_PERMISSIONS = new AllPermissions();
    private boolean all;

    public AllPermissionsCollection() {
    }

    public AllPermissionsCollection(boolean all) {
        this.all = all;
    }

    @Override
    public void add(Permission permission) {
        if (permission instanceof AllPermissions) {
            all = true;
        }
    }
    public AllPermissionsCollection(boolean all) {
        this.all = all;
    }

    @Override
    public void add(Permission permission) {
        if (permission instanceof AllPermissions) {
            all = true;
        }
    }
    public AllPermissionsCollection() {
    }
    public AllPermissionsCollection(boolean all) {
        this.all = all;
    }

    @Override
    public boolean implies(Permission permission) {
        return true;
    }

    @Override
    public String getActions() {
        return "<all actions>";
    }

    @Override
    public PermissionCollection newPermissionCollection() {
        return new AllPermissionsCollection();
    }

    @Override
    public String toString() {
        return "<allow all permissions>";
    }

    @Override
    public boolean equals(Object obj) {
        return obj instanceof AllPermissions;
    }

    @Override
    public int hashCode() {
        return 111;
    }

    public static final class AllPermissionsCollection extends PermissionCollection {
        private static final AllPermissions ALL_PERMISSIONS = new AllPermissions();
        private boolean all;

        public AllPermissionsCollection() {
        }

        public AllPermissionsCollection(boolean all) {
            this.all = all;
        }

        @Override
        public void add(Permission permission) {
            if (permission instanceof AllPermissions) {
                all = true;
            }
        }
    }
}
@Override
public boolean implies(Permission permission) {
    return all;
}

@Override
public Enumeration<Permission> elements() {
    return new Enumeration<Permission>() {
        boolean more = all;

        @Override
        public boolean hasMoreElements() {
            return more;
        }

        @Override
        public Permission nextElement() {
            more = false;
            return ALL_PERMISSIONS;
        }
    };
}

@Override
public int hashCode() {
    return all ? 13 : -13;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    AllPermissionsCollection other = (AllPermissionsCollection) obj;
    return all == other.all;
}

@Override
public String toString() {

package com.hazelcast.security.permission;

public class CountDownLatchPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = CREATE | DESTROY | READ | MODIFY;

    public CountDownLatchPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            } else if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            }
        }
        return mask;
    }
}

"return "<allow all permissions>";"
package com.hazelcast.security.permission;

public class AtomicLongPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicLongPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            } else if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}

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 */
else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
}
return mask;
}

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 */

package com.hazelcast.security.permission;

public class QueuePermission extends InstancePermission {

    private static final int ADD = 4;
    private static final int READ = 8;
    private static final int REMOVE = 16;
    private static final int LISTEN = 32;
    private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

    public QueuePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {

mask |= DESTROY;
} else if (ActionConstants.ACTION_ADD.equals(action)) {
    mask |= ADD;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
} else if (ActionConstants.ACTION_REMOVE.equals(action)) {
    mask |= REMOVE;
} else if (ActionConstants.ACTION_LISTEN.equals(action)) {
    mask |= LISTEN;
}
}
return mask;

package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public class DenyAllPermissionCollection extends PermissionCollection {

    public DenyAllPermissionCollection() {
    }

    @Override
    public void add(Permission permission) {
    }

    @Override
    public boolean implies(Permission permission) {
        return false;
    }

    public void addAll() {
    }

    @Override
    public void addAll(PermissionCollection c) {
    }

    @Override
    public boolean contains(Permission permission) {
        return false;
    }

    @Override
    public void remove(Permission permission) {
    }

    @Override
    public void remove(PermissionCollection c) {
    }

    @Override
    public Enumeration<Permission> elements() {
        return null;
    }

    @Override
    public boolean equals(Object obj) {
        return false;
    }

    @Override
    public int hashCode() {
        return 0;
    }

    @Override
    public String toString() {
        return null;
    }

    @Override
    public void clear() {
    }

    public static void main(String[] args) {
    }

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     */

    package com.hazelcast.security.permission;

    import java.security.Permission;
    import java.security.PermissionCollection;
    import java.util.Enumeration;

    public class DenyAllPermissionCollection extends PermissionCollection {

        public DenyAllPermissionCollection() {
        }

        @Override
        public void add(Permission permission) {
        }

        @Override
        public boolean implies(Permission permission) {
            return false;
        }

        public void addAll() {
        }

        @Override
        public void addAll(PermissionCollection c) {
        }

        @Override
        public boolean contains(Permission permission) {
            return false;
        }

        @Override
        public void remove(Permission permission) {
        }

        @Override
        public void remove(PermissionCollection c) {
        }

        @Override
        public Enumeration<Permission> elements() {
            return null;
        }

        @Override
        public boolean equals(Object obj) {
            return false;
        }

        @Override
        public int hashCode() {
            return 0;
        }

        @Override
        public String toString() {
            return null;
        }

        @Override
        public void clear() {
        }

        public static void main(String[] args) {
        }
    }
@Override
public Enumeration<Permission> elements() {
    return new Enumeration<Permission>() {
        @Override
        public boolean hasMoreElements() {
            return false;
        }

        @Override
        public Permission nextElement() {
            return null;
        }
    };
}

@Override
public int hashCode() {
    return 37;
}

@Override
public String toString() {
    return "<deny all permissions>";
}

@Override
public boolean equals(Object obj) {
    return obj instanceof DenyAllPermissionCollection;
}

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 */
package com.hazelcast.security.permission;

public class LockPermission extends InstancePermission {

    private static final int LOCK = 4;
    private static final int READ = 8;
    private static final int ALL = CREATE | DESTROY | LOCK | READ;

    public LockPermission(String key, String... actions) {
        super(key, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_LOCK.equals(action)) {
                mask |= LOCK;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            }
        }
        return mask;
    }
    
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*/
package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;

public abstract class ClusterPermission extends Permission {

    private int hashCode;

    public ClusterPermission(String name) {
        super(name);
    }

    @Override
    public PermissionCollection newPermissionCollection() {
        return new ClusterPermissionCollection(getClass());
    }

    @Override
    public int hashCode() {
        if (hashCode == 0) {
            final int prime = 31;
            int result = 1;
            if (getName() == null) {
                result = prime * result + 13;
            } else {
                result = prime * result + getName().hashCode();
            }
            hashcode = result;
        }
        return hashcode;
    }

    @Override
    public boolean equals(Object obj) {
        if (this == obj) {
            return true;
        }
        if (obj == null) {
            return false;
        }
        if (getClass() != obj.getClass()) {
            return false;
        }
        ClusterPermission other = (ClusterPermission) obj;
        if (getName() == null && other.getName() != null) {
            return false;
        }
        if (getClass() != other.getClass()) {
            return false;
        }
        if (getName() == null) {
            if (other.getName() != null) {
                return false;
            }
        } else if (!getName().equals(other.getName())) {
            return false;
        }
        return true;
    }
}
if (!getName().equals(other.getName())) {
    return false;
}
return true;
}

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 */

package com.hazelcast.security.permission;

public class ReplicatedMapPermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int LOCK = 64;
    private static final int INDEX = 128;
    private static final int INTERCEPT = 256;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX | INTERCEPT;

    public ReplicatedMapPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
        }
        return mask;
    }
}
if (ActionConstants.ACTION_CREATE.equals(action)) {
    mask |= CREATE;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
} else if (ActionConstants.ACTION_PUT.equals(action)) {
    mask |= PUT;
} else if (ActionConstants.ACTION_REMOVE.equals(action)) {
    mask |= REMOVE;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
} else if (ActionConstants.ACTION_LISTEN.equals(action)) {
    mask |= LISTEN;
} else if (ActionConstants.ACTION_LOCK.equals(action)) {
    mask |= LOCK;
} else if (ActionConstants.ACTION_INDEX.equals(action)) {
    mask |= INDEX;
} else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
    mask |= INTERCEPT;
}
}

return mask;
}

package com.hazelcast.security.permission;

public class FlakeIdGeneratorPermission extends InstancePermission {

    private static final int MODIFY = 4;

    private static final int ALL = MODIFY | CREATE | DESTROY;

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     */
package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Collections;
import java.util.Enumeration;
import java.util.HashSet;
import java.util.Iterator;
import java.util.Set;

public FlakeIdGeneratorPermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
            mask |= MODIFY;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        }
    }
    return mask;
}

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 */
public class ClusterPermissionCollection extends PermissionCollection {

    final Set<Permission> perms = new HashSet<Permission>();
    final Class<? extends Permission> permClass;

    public ClusterPermissionCollection() {
        permClass = null;
    }

    public ClusterPermissionCollection(Class<? extends Permission> permClass) {
        this.permClass = permClass;
    }

    @Override
    public void add(Permission permission) {
        if (isReadOnly()) {
            throw new SecurityException("ClusterPermissionCollection is read-only!");
        }
        boolean shouldAdd = (permClass != null && permClass.equals(permission.getClass()))
                || (permission instanceof ClusterPermission);

        if (shouldAdd && !implies(permission)) {
            perms.add(permission);
        }
    }

    public void add(PermissionCollection permissions) {
        if (isReadOnly()) {
            throw new SecurityException("ClusterPermissionCollection is read-only!");
        }
        if (permissions instanceof ClusterPermissionCollection) {
            for (Permission p : ((ClusterPermissionCollection) permissions).perms) {
                add(p);
            }
        }
    }

    @Override
    public boolean implies(Permission permission) {
        for (Permission p : perms) {
            if (p.implies(permission)) {
                return true;
            }
        }
        return false;
    }
}
public void compact() {
    if (isReadOnly()) {
        throw new SecurityException("ClusterPermissionCollection is read-only!");
    }
    final Iterator<Permission> iter = perms.iterator();
    while (iter.hasNext()) {
        final Permission perm = iter.next();
        boolean implies = false;
        for (Permission p : perms) {
            if (p != perm && p.implies(perm)) {
                implies = true;
                break;
            }
        }
        if (implies) {
            iter.remove();
        }
    }
    setReadOnly();
}

@Override
public Enumeration<Permission> elements() {
    return Collections.enumeration(perms);
}

public Set<Permission> getPermissions() {
    return Collections.unmodifiableSet(perms);
}

@Override
public String toString() {
    return "ClusterPermissionCollection [permClass=" + permClass + "]";
}
*/

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package com.hazelcast.security.permission;

public class MultiMapPermission extends MapPermission {

    public MultiMapPermission(String name, String... actions) {
        super(name, actions);
    }
}
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 */

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 * @see com.hazelcast.security.jsm
 */
package com.hazelcast.security.permission;

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mgo - MongoDB driver for Go

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PACKAGE

package goautoneg
import "bitbucket.org/ww/goautoneg"

HTTP Content-Type Autonegotiation.

The functions in this package implement the behaviour specified in http://www.w3.org/Protocols/rfc2616/rfc2616-sec14.html
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FUNCTIONS

func Negotiate(header string, alternatives []string) (content_type string)
Negotiate the most appropriate content_type given the accept header and a list of alternatives.

func ParseAccept(header string) (accept []Accept)
Parse an Accept Header string returning a sorted list of clauses

TYPES

type Accept struct {
    Type, SubType string
}
Q   float32
Params   map[string]string
}
Structure to represent a clause in an HTTP Accept Header

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1.1048 deltaspike-proxy-module-impl-asm5

1.8.1

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1.1059 liblocale-gettext-perl 1.07-3build2

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The End

1.1060 lang-tag 1.4.4

1.1061 openwebbeans-impl 1.6.3
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1.1084 apache-log4j 1.2.15

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man/pidfile.3bsd
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1.1102 spring-jcl 5.1.6

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package org.apache.commons.logging;

/**
 * A simple logging interface abstracting logging APIs. In order to be
 * instantiated successfully by [@link LogFactory], classes that implement
 * this interface must have a constructor that takes a single String
 * parameter representing the "name" of this Log.
 *
 * <p>The six logging levels used by <code>Log</code> are (in order):
 * <ol>
 * <li>trace (the least serious)</li>
 * <li>debug</li>
 * <li>info</li>
 * <li>warn</li>
 * <li>error</li>
 * <li>fatal (the most serious)</li>
 * </ol>
 *
 * The mapping of these log levels to the concepts used by the underlying
 * logging system is implementation dependent.
 * The implementation should ensure, though, that this ordering behaves
 * as expected.
 *
 * <p>Performance is often a logging concern.
 * By examining the appropriate property,
 * a component can avoid expensive operations (producing information
 * to be logged).
 *
 * <p>For example,
 * <pre>
 * if (log.isDebugEnabled()) {
 *     ... do something expensive ...
 *     log.debug(theResult);
 * }
 * </pre>
 *
 * Configuration of the underlying logging system will generally be done
 * external to the Logging APIs, through whatever mechanism is supported by
 * that system.
 *
 * @author Juergen Hoeller (for the [@code spring-jcl] variant)
 * @since 5.0
 */
public interface Log {

/**
 * Is fatal logging currently enabled?
 * <p>Call this method to prevent having to perform expensive operations
 * (for example, <code>String</code> concatenation)
 * when the log level is more than fatal.
 * @return true if fatal is enabled in the underlying logger.
 */
    boolean isFatalEnabled();

/**
 * Is error logging currently enabled?
 * <p>Call this method to prevent having to perform expensive operations
 * (for example, <code>String</code> concatenation)
 * when the log level is more than error.
 * @return true if error is enabled in the underlying logger.
 */
    boolean isErrorEnabled();

/**
 * Is warn logging currently enabled?
 * <p>Call this method to prevent having to perform expensive operations
 * (for example, <code>String</code> concatenation)
 * when the log level is more than warn.
 * @return true if warn is enabled in the underlying logger.
 */
    boolean isWarnEnabled();

/**
 * Is info logging currently enabled?
 * <p>Call this method to prevent having to perform expensive operations
 * (for example, <code>String</code> concatenation)
 * when the log level is more than info.
 * @return true if info is enabled in the underlying logger.
 */
    boolean isInfoEnabled();

/**
 * Is debug logging currently enabled?
 * <p>Call this method to prevent having to perform expensive operations
 * (for example, <code>String</code> concatenation)
 * when the log level is more than debug.
 * @return true if debug is enabled in the underlying logger.
 */
    boolean isDebugEnabled();

/**
* Is trace logging currently enabled?
* <p>Call this method to prevent having to perform expensive operations
* (for example, <code>String</code> concatenation)
* when the log level is more than trace.
* @return true if trace is enabled in the underlying logger.
*/
boolean isTraceEnabled();

/**
 * Logs a message with fatal log level.
 * @param message log this message
 */
void fatal(Object message);

/**
 * Logs an error with fatal log level.
 * @param message log this message
 * @param t log this cause
 */
void fatal(Object message, Throwable t);

/**
 * Logs a message with error log level.
 * @param message log this message
 */
void error(Object message);

/**
 * Logs an error with error log level.
 * @param message log this message
 * @param t log this cause
 */
void error(Object message, Throwable t);

/**
 * Logs a message with warn log level.
 * @param message log this message
 */
void warn(Object message);

/**
 * Logs an error with warn log level.
 * @param message log this message
 * @param t log this cause
 */
void warn(Object message, Throwable t);
/**
 * Logs a message with info log level.
 * @param message log this message
 */
void info(Object message);

/**
 * Logs an error with info log level.
 * @param message log this message
 * @param t log this cause
 */
void info(Object message, Throwable t);

/**
 * Logs a message with debug log level.
 * @param message log this message
 */
void debug(Object message);

/**
 * Logs an error with debug log level.
 * @param message log this message
 * @param t log this cause
 */
void debug(Object message, Throwable t);

/**
 * Logs a message with trace log level.
 * @param message log this message
 */
void trace(Object message);

/**
 * Logs an error with trace log level.
 * @param message log this message
 * @param t log this cause
 */
void trace(Object message, Throwable t);

}

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org.ow2.asm:asm-commons
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org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
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org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
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org.eclipse.jetty.toolchain:jetty-schemas

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1.1108 netty-codec-socks 4.1.17

1.1109 sqlite-jdbc 3.8.11.2
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package org.eclipse.text.edits;

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

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

public final class CopyingRangeMarker extends TextEdit {

private String fText;

/**
* Creates a new <tt>CopyRangeMarker</tt> for the given
* offset and length.
* @param offset the marker's offset
* @param length the marker's length
*/

public CopyingRangeMarker(int offset, int length) {
    super(offset, length);
}

private CopyingRangeMarker(CopyingRangeMarker other) {
    super(other);
    fText= other.fText;
}

protected TextEdit doCopy() {
    return new CopyingRangeMarker(this);
}
protected void accept0(TextEditVisitor visitor) {
    boolean visitChildren = visitor.visit(this);
    if (visitChildren) {
        acceptChildren(visitor);
    }
}

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

/* non Java-doc */
protected boolean deleteChildren() {
    return false;
}

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<a class="summary-letter" href="#Copying-and-indices_cp_letter-T">T</a> &nbsp;
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- Copying this document
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- Titlepage footnote
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Appendix A Copying and indices

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<meta name="keywords" content="Appendix A Copying and indices (Top)"/>
<meta name="resource-type" content="document"/>
<meta name="distribution" content="global"/>
<meta name="Generator" content="texi2any"/>
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blockquote.smallquotation {font-size: smaller}
div.display {margin-left: 3.2em}
div.example {margin-left: 3.2em}
div.lisp {margin-left: 3.2em}
div.smalldisplay {margin-left: 3.2em}
div.smallexample {margin-left: 3.2em}
div.smalllisp {margin-left: 3.2em}
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pre.format {font-family: inherit}
pre.menu-comment {font-family: serif}
pre.menu-preformatted {font-family: serif}
pre.smalldisplay {font-family: inherit; font-size: smaller}
pre.smallexample {font-size: smaller}
pre.smallformat {font-family: inherit; font-size: smaller}
pre.smalllisp {font-size: smaller}
span.nolinebreak {white-space: nowrap}
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span.sansserif {font-family: sans-serif; font-weight: normal}
ul.no-bullet {list-style: none}
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</head>
<body lang="en">
<a name="Copying-and-indices"></a>
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</body>
In the appendix, we print the indices and references.

Copying information for the copying information. Public domain reference for reference on the licence.

Titlepage anchor for the titlepage.

Jump to: 

<table>
<thead>
<tr>
<th>Index Entry</th>
<th>Section</th>
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<tr>
<td>C</td>
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<td>P</td>
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<td></td>
</tr>
</tbody>
</table>
The node you are looking for is at <a href="Chapter.html#Copying-information">Copying information</a>.

use vars qw(%result_texis %result_texts %result_trees %result_errors
    %result_indices %result_sectioning %result_nodes %result_menus
    %result_floats %result_converted %result_converted_errors
    %result_elements %result_directions_text);
use utf8;

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              ],
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                 ']
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             'parent' => {}]
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             'macro' => ''
         },
         'parent' => {}]
     ];

$result_trees['copying_not_closed']['contents'][0]['contents'][0]['extra']['command'] =
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<blockquote.indentedblock> Previous: <a href="index.html#Top" accesskey="p" rel="prev">Top</a>, Up: <a href="index.html#Top" accesskey="u" rel="up">Top</a> &nbsp; [<a href="#SEC_Contents" title="Table of contents" rel="contents">Contents</a>]</blockquote.indentedblock>

</body>
</html>
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In the appendix, we print the references and the copying once more and the list of copyright notices (listoffloats).

See the caption <a href="index.html#public-domain-anchor">public domain anchor</a>.

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1.1115 jnats 1.0

1.1116 derby 10.13.1000001.1765088

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   analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt

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   analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java

   analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
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===========================================================================
Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
===========================================================================

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mecab-ipadic-2.7.0-20070801

which can be obtained from

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The KStem stemmer in analysis/common/src/org/apache/lucene/analysis/en was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst) under the BSD-license.

The German, Spanish, Finnish, French, Hungarian, Italian, Portuguese, Russian and Swedish light stemmers (common) are based on BSD-licensed reference implementations created by Jacques Savoy and Ljiljana Dolamic. These files reside in:

- `analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java`
- `analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java`
- `analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java`
- `analysis/common/src/java/org/apache/lucene/analysis/es/SpanishMinimalStemmer.java`
- `analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java`
- `analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java`
- `analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java`
- `analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java`
- `analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java`
- `analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java`
- `analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java`
- `analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java`

The Stempel analyzer (stempel) includes BSD-licensed software developed by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil, and Edmond Nolan.

The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in `stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt`. See http://project.carrot2.org/license.html.

The SmartChineseAnalyzer source code (smarten) was provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

WordBreakTestUnicode_*.java (under modules/analysis/common/src/test/) is derived from Unicode data such as the Unicode Character Database. See http://unicode.org/copyright.html for more details.

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Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
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The original XML Schemas for Java EE Deployment Descriptors:
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- javaee_web_services_1_3.xsd
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- web-common_3_0.xsd
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For the following XML Schemas for Java EE Deployment Descriptors:
- javae_5.xsd
- javae_web_services_1_2.xsd
- javae_web_services_client_1_2.xsd
- javae_6.xsd
- javae_web_services_1_3.xsd
- javae_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd
- web-fragment_4_0.xsd

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MNGPLG
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Website:: http://github.com/sickill/rainbow

Rainbox provided the bases for building the XTerm 256 color code support into the ANSI::Code module.

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Some of the latest ANSI code names, and inspiration to check out Rainbow and include XTerm 256 color codes, came from Paint.

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Albeit the code no long bares much if any resemblance to it, the ANSI Code module (and subsequently the Constants module) originated with the ANSIColor library by Florian Frank.

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1.1146 cas-server-core-authentication 5.2.0
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1.1149 jopt-simple 6.0-alpha-3

1.1150 pax-web-extender-whiteboard 7.2.5

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```

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of
the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliiCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in
relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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@end enumerate

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@end enumerate

@end subheading

@subheading END OF TERMS AND CONDITIONS

@page
@subheading How to Apply These Terms to Your New Libraries

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code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
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@page

@heading Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the ``copyright'' line and a pointer to where the full notice is found.

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@var{one line to give the program's name and a brief idea of what it does.}
Copyright (C) @var{yyyy}  @var{name of author}
@end smallexample

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@example
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@var{signature of Ty Coon}, 1 April 1989
Ty Coon, President of Vice
@end example

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1.1168 vim 8.1.0115 r0
1.1168.1 Available under license:

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" Vim syntax file
" Language:Software Distributor product specification file
"(POSIX 1387.2-1995).
" Maintainer: Rex Barzee <rex_barzee@hp.com>
" Last change: 25 Apr 2001

" quit when a syntax file was already loaded
if exists("b:current_syntax")
   finish
endif

" Product specification files are case sensitive
syn case match

syn keyword psfObject bundle category control_file depot distribution
syn keyword psfObject end file fileset host installed_software media
syn keyword psfObject product root subproduct vendor

syn match  psfUnquotString +[^# ][^#]*+ contained
syn region psfQuotString   start=""+ skip="" end=""+ contained

syn match  psfObjTag""<[-_+A-Z0-9a-z]+([-_+A-Z0-9a-z]+)+">"" contained
syn match  psfAttAbbrev""\<\{fa\|fr\|\[aclqrv\]\}<\|=\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|=\|=r\|...
" of the attributes.
syn region psfAttTag matchgroup=psfAttrib start="^[\s\*\+
" keeps=psfObjTag,psfComment end="" keepend oneline

syn region psfAttSpec matchgroup=psfAttrib
start="^[\s\*\(ancestor\|applied_patches\|applied_to\|contents\|corequisites\|exrequisites\|prerequisites\|software_spec\]
 supersedes\|superseded_by\)\s\+" keeps=psfObjTag,psfAttAbbrev,psfComment end="" keepend

syn region psfAttTags matchgroup=psfAttrib start="^[\s\*\all_filesets\s\+" keeps=psfObjTags,psfComment end="" keepend

syn region psfAttNumber matchgroup=psfAttrib
start="^[\s\*\(compressed_size\|instance_id\|media_sequence_number\|sequence_number\|size\)\s\+"
 keeps=psfNumber,psfComment end="" keepend oneline

syn region psfAttTime matchgroup=psfAttrib start="^[\s\*\(create_time\|ctime\|mod_time\|mtime\|timestamp\)\s\+"
 keeps=psfNumber,psfComment end="" keepend oneline

syn region psfAttFloat matchgroup=psfAttrib start="^[\s\*\(data_model_revision\|layout_version\)\s\+"
 keeps=psfFloat,psfComment end="" keepend oneline

syn region psfAttLongDate matchgroup=psfAttrib start="^[\s\*\install_date\s\+" keeps=psfLongDate,psfComment end="" keepend oneline

syn region psfAttState matchgroup=psfAttrib start="^[\s\*\(state\)\s\+" keeps=psfState,psfComment end="" keepend oneline

syn region psfAttPState matchgroup=psfAttrib start="^[\s\*\(patch_state\)\s\+" keeps=psfPState,psfComment end="" keepend oneline

syn region psfAttBoolean matchgroup=psfAttrib
start="^[\s\*\(is_kernel\|is_locatable\|is_patch\|is_protected\|is_reboot\|is_reference\|is_secure\|is_sparse\)\s\+"
 keeps=psfBoolean,psfComment end="" keepend oneline

syn match psfComment "#.+$"

" Define the default highlighting.
" Only when an item doesn't have highlighting yet

hi def link psfObject Statement
hi def link psfAttrib Type
hi def link psfQuotString String
hi def link psfObjTag Identifier
hi def link psfAttAbbrev PreProc
hi def link psfObjTags Identifier

hi def link psfComment Comment
" Long descriptions and copyrights confuse the syntax highlighting, so
" force vim to backup at least 100 lines before the top visible line
" looking for a sync location.
syn sync lines=100

let b:current_syntax = "psf"

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

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

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"Source code" for a work means the preferred form of the work for
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b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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

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In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

For an executable, the required form of the "work that uses the
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normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.

It may happen that this requirement contradicts the license
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accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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Also add information on how to contact you by electronic and paper mail.

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

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

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

That's all there is to it!
*uganda.txt* For Vim version 8.1. Last change: 2018 May 17

VIM REFERENCE MANUAL by Bram Moolenaar

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

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

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

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

=== begin of license ===

VIM LICENSE

I) There are no restrictions on distributing unmodified copies of Vim except
that they must include this license text. You can also distribute
unmodified parts of Vim, likewise unrestricted except that they must
include this license text. You are also allowed to include executables
that you made from the unmodified Vim sources, plus your own usage
examples and Vim scripts.

II) It is allowed to distribute a modified (or extended) version of Vim,
including executables and/or source code, when the following four
conditions are met:
1) This license text must be included unmodified.
2) The modified Vim must be distributed in one of the following five ways:
   a) If you make changes to Vim yourself, you must clearly describe in
      the distribution how to contact you. When the maintainer asks you
      (in any way) for a copy of the modified Vim you distributed, you
      must make your changes, including source code, available to the
      maintainer without fee. The maintainer reserves the right to
      include your changes in the official version of Vim. What the
      maintainer will do with your changes and under what license they
      will be distributed is negotiable. If there has been no negotiation
      then this license, or a later version, also applies to your changes.
      The current maintainer is Bram Moolenaar <Bram@vim.org>. If this
      changes it will be announced in appropriate places (most likely
      vim.sf.net, www.vim.org and/or comp.editors). When it is completely
      impossible to contact the maintainer, the obligation to send him
      your changes ceases. Once the maintainer has confirmed that he has
      received your changes they will not have to be sent again.
   b) If you have received a modified Vim that was distributed as
      mentioned under a) you are allowed to further distribute it
      unmodified, as mentioned at I). If you make additional changes
      the text under a) applies to those changes.
   c) Provide all the changes, including source code, with every copy of
      the modified Vim you distribute. This may be done in the form of a
      context diff. You can choose what license to use for new code you
      add. The changes and their license must not restrict others from
      making their own changes to the official version of Vim.
   d) When you have a modified Vim which includes changes as mentioned
      under c), you can distribute it without the source code for the
      changes if the following three conditions are met:
- The license that applies to the changes permits you to distribute the changes to the Vim maintainer without fee or restriction, and permits the Vim maintainer to include the changes in the official version of Vim without fee or restriction.
- You keep the changes for at least three years after last distributing the corresponding modified Vim. When the maintainer or someone who you distributed the modified Vim to asks you (in any way) for the changes within this period, you must make them available to him.
- You clearly describe in the distribution how to contact you. This contact information must remain valid for at least three years after last distributing the corresponding modified Vim, or as long as possible.
  e) When the GNU General Public License (GPL) applies to the changes, you can distribute the modified Vim under the GNU GPL version 2 or any later version.
3) A message must be added, at least in the output of the ":version" command and in the intro screen, such that the user of the modified Vim is able to see that it was modified. When distributing as mentioned under 2)e) adding the message is only required for as far as this does not conflict with the license used for the changes.
4) The contact information as required under 2)a) and 2)d) must not be removed or changed, except that the person himself can make corrections.

III) If you distribute a modified version of Vim, you are encouraged to use the Vim license for your changes and make them available to the maintainer, including the source code. The preferred way to do this is by e-mail or by uploading the files to a server and e-mailing the URL. If the number of changes is small (e.g., a modified Makefile) e-mailing a context diff will do. The e-mail address to be used is <maintainer@vim.org>

IV) It is not allowed to remove this license from the distribution of the Vim sources, parts of it or from a modified version. You may use this license for previous Vim releases instead of the license that they came with, at your option.

=== end of license ===

Note:

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

- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.
- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.

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

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

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

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

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

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.
Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

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

*donate*

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

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

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

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

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa
Sending money:*iccf-donations*

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

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

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

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse.
This will allow for tax deduction if you live in Holland.
Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

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

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

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number.
Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is
the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:
The e-mail address for sending the money to is:
Bram@iccf-holland.org
For amounts above 400 Euro ($500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:
Postbank, account 4548774
Swift code: INGB NL 2A
IBAN: NL95 INGB 0004 5487 74
under the name "stichting ICCF Holland", Lisse
If that doesn't work:
Rabobank Lisse, account 3765.05.117
Swift code: RABO NL 2U
under the name "Bram Moolenaar", Lisse
Otherwise, send a check in euro or US dollars to the address below. Minimal amount: $70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:
Bram Moolenaar
Finsterruetihof 1
8134 Adliswil
Switzerland

This address is expected to be valid for a long time.

vim:tw=78:ts=8:noet:ft=help:norl:
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@page
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1.1174 spring-boot-starter-jdbc 2.1.4

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1.1175 hostname 3.21

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hostname -- set the host name or show the host/domain name

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1.1176 v8 10.16.0-r0

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

Python was created in the early 1990s by Guido van Rossum at Stichting
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as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
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DOCUMENTATION ROADMAP
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This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
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REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
RELATED SOFTWARE Other stuff you should get.
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TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:
install.doc How to configure and install the IJG software.
usage.doc Usage instructions for cjpeg, djpeg, jpegtran, rdjpgcom, and wrjpgcom.
*.1 Unix-style man pages for programs (same info as usage.doc).
wizard.doc Advanced usage instructions for JPEG wizards only.
change.log Version-to-version change highlights.

Programmer and internal documentation:
libjpeg.doc How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
structure.doc Overview of the JPEG library's internal structure.
filelist.doc Road map of IJG files.
coderules.doc Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

OVERVIEW
This package contains C software to implement JPEG image compression and decompression. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images. JPEG is intended for compressing "real-world" scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits. However, on typical photographic images, very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.)
So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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REFERENCES
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We highly recommend reading one or more of these references before trying to understand the innards of the JPEG software.

Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics. If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at ftp://ftp.uu.net/graphics/jpeg/wallace.ps.gz. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...


The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging $95 for Part 1 and $47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:
The TIFF 6.0 file format specification can be obtained by FTP from ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from ftp.sgi.com or from ftp://ftp.uu.net/graphics/jpeg/. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note. libtiff is available from ftp://ftp.sgi.com/graphics/tiff/.

ARCHIVE LOCATIONS
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The "official" archive site for this software is ftp.uu.net (Internet address 192.48.96.9). The most recent released version can always be found there in directory graphics/jpeg. This particular version will be archived as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't have direct Internet access, UUNET's archives are also available via UUCP; contact help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only ftp.uu.net is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics.misc, news.answers, and other groups. It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/ and other news.answers archive sites, including the official news.answers
If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu
with body
send usenet/news.answers/jpeg-faq/part1
send usenet/news.answers/jpeg-faq/part2

RELATED SOFTWARE
================

Numerous viewing and image manipulation programs now support JPEG. (Quite a
few of them use this library to do so.) The JPEG FAQ described above lists
some of the more popular free and shareware viewers, and tells where to
obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free
PBMPLUS software, which provides many useful operations on PPM-format image
files. In particular, it can convert PPM images to and from a wide range of
other formats, thus making cjpeg/djpeg considerably more useful. The latest
version is distributed by the NetPBM group, and is available from numerous
sites, notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/.
Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is;
you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford,
is available from ftp://havefun.stanford.edu/pub/jpeg/. This program
is designed for research and experimentation rather than production use;
it is slower, harder to use, and less portable than the IJG code, but it
is easier to read and modify. Also, the PVRG code supports lossless JPEG,
which we do not. (On the other hand, it doesn't do progressive JPEG.)

FILE FORMAT WARS
================

Some JPEG programs produce files that are not compatible with our library.
The root of the problem is that the ISO JPEG committee failed to specify a
concrete file format. Some vendors "filled in the blanks" on their own,
creating proprietary formats that no one else could read. (For example, none
of the early commercial JPEG implementations for the Macintosh were able to
exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format
has been agreed to by a number of major commercial JPEG vendors, and it has
become the de facto standard. JFIF is a minimal or "low end" representation.
We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF
Technical Note #2) for "high end" applications that need to record a lot of
additional data about an image. TIFF/JPEG is fairly new and not yet widely
The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!

**TO DO**

The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

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**1.1192 gojsonschema dcb3e4bb7**

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1.1197 apache-aries-spifly-weaver-internal

1.0.10

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1.1199 mavibot 1.0.0

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1.1201 userinfo-java 1.1.0

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1.1202 logfmt b84e30acd

1.1203 jackson-databind 2.9.5

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1.1204 neo4j-resource 3.5.4

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1.1245 jetty-io 9.4.12.v20180830

1.1246 feign-form 3.8.0

1.1247 slf4j-log4j 1.7.24

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1.1248 apache-karaf-webconsole-console

4.2.2

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1.1249 netty 4.1.36

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1.1258 jetty-rewrite 9.4.12.v20180830

1.1259 wagon-provider-api 2.8

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1.1260 metrics-health-checks 3.2.5

1.1261 bzip2 1.0.6 9.1
1.1261.1 Available under license :

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Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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Theodore Ts'o
23-June-2007
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This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJ))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)/$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
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Gadi Oxman, August 1995

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*/
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-
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* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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Theodore Ts'o
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#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)
$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
  `echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \n $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB) $(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
/

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/*/ This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>,

---
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

From the original distribution:

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

http://sourceforge.net/projects/e2fsprogs

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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Gadi Oxman, August 1995

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Thanks, may your castles never deflate!

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W.R. Dittmer <wdittmer@064cs.vu.nl> - patch to decoding of SignatureCreationTime in BCPG. Patch to PGPKeyPair to fix nullpointer exception.

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<li>Keyon AG, Martin Christinan, &lt;a href=&quot;http://www.keyon.ch&quot;&gt;http://www.keyon.ch&lt;/a&gt; - fixing incorrect ASN.1 encoding of field elements in X9FieldElement class.</li>
<li>Olaf Keller, &lt;olaf.keller.bc&#064;064bluewin.ch&gt; - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.</li>
<li>John Eichhorn &lt;eichhorn&#064;ponton-consulting.de&gt; - patch to fix EOF read on SharedFileInputStream, support for F2m compression.</li>
<li>Karsten Ohme &lt;widerstand&#064;064t-online.de&gt; - initial check against for out of range data on non byte aligned RSA keys. Addition of equals/hashCode on ECCurve.Fp. Additional curve type support for Fp, contributions to F2m compression. F2m decoding for ECPointUtil. Infinity fix and prime192v2 fix for Fp. Extra validation for RSA key creation. Fix to name typos for some OpenSSL key generators. RFC-1779 table, improved RFC 2253 compliance for X509Name. Additional constructor validation for X.509/ESS ASN.1 classes. Validation for Printable, IA5, and Numeric Strings. Support for surrogate pairs in DERUTF8String, DER UTF8 test. Additional X.509 name attributes for ISIS-MTT, RFC 3039, addition of indirect CRL support, initial X509 LDAP CertStore implementation, CertificatePair class, and X509CertificatePair class. Contributions to X509Store/Parser infrastructure and design. CertPath support for implicit DSA parameters and a range of NameConstraints. Addition of support for V1 attribute certificates and attribute certificate path validation. Initial classes for ASN.1 ISIS-MTT support. Enhancements for improving compliance with the NIST CertPath tests.</li>
<li>Carlos Lozano Ruiz &lt;carlos&#064;tradise.com&gt; - patch for &lt;ctrl&gt;&lt;m&gt; only handling in CRLFOutputStream.</li>
<li>John Alfred Prufrock &lt;j.a.prufrock&#064;064gmail.com&gt; - mods to GOST-3411 and MD2 to support ExtendedDigest.</li>
<li>Stefan Neusatz Guilhen &lt;sneusatz&#064;064gmail.com&gt; - initial version of RoleSyntax, improvements to AttributeCertificateHolder and AttributeCertificateIssuer.</li>
<li>Marzio Lo Giudice &lt;marzio.logiudice&#064;064gmail.com&gt; - fix to endianess in KDF2BytesGenerator, additional KDF2 tests.</li>
<li>Georg Lippold &lt;georg.lippold&#064;064gmx.de&gt; - initial implementation of NaccacheStern cipher.</li>
<li>Chris Viles &lt;chris_viles&#064;064yahoo.com&gt; - fix to SignatureSubpacket critical bit setting.
<li>Pasi Eronen &lt;pasi.eronen@nokia.com&gt; - extra toString() support for ASN.1 library. Initial patch for large OID components.</li>
<li>Lijun Liao &lt;lijun.liao@#064rub.de&gt; - performance enhancements for SHA family of digests. Bug report and patch for blank line handling in ArmoireInputStream.</li>
<li>Maria Ivanova &lt;maria.ivanova@#064gmail.com&gt; - support for tags 30 in ASN.1 parsing.</li>
<li>Armin H&auml;berling &lt;arminha@student.ethz.ch&gt; - first cut of internationalisation, initial PKIX validation classes.</li>
<li>Marius Schilder &lt;mschilder@#064google.com&gt; - main set of test vectors for Bleichenbacher's forgery attack.</li>
<li>Xavier Le Vourch &lt;xavier@#064brittanysoftware.com&gt; - general code clean ups.</li>
<li>Erik Tews &lt;e_tews@#064cde.informatik.tu-darmstadt.de&gt; - initial threaded random seed generator, constant-time PKCS#1.5 decoding.</li>
<li>Thomas Dixon &lt;teikomusha@#064gmail.com&gt; - initial implementations of TEA/XTEA, Salsa20, ISAAC, and Nokeon. XTEA enhancements.</li>
<li>Frank Cornelis &lt;info@#064frankcornelis.be&gt; - addition of crlAccessMethod in X509ObjectIdentifiers.</li>
<li>Rui Joaquim &lt;rjoaquim@#064cc.isel.ip.pt&gt; - initial implementation of RSA blinding for signatures.</li>
<li>David Stacey &lt;DSacey@#064allantgroup.com&gt; - addition of trust packet checking on revocation signatures in PGPSecretKeyRing.</li>
<li>Martijn Brinkers &lt;list@#064mitm.nl&gt; - better exception handling in CMS enveloping, "just in time" modifications for CRL and Sequence evaluation.</li>
<li>Julius Davies &lt;juliusdavies@#064gmail.com&gt; - additional modes and algorithm support in PEMReader.</li>
<li>Matthias &lt;g@#064rtner.de&gt; - GNUPG compatibility changes for PBEFileProcessor.</li>
<li>Olga K&amp;auml;hler &lt;olga.kaethler@#064hjp-consulting.com&gt; - initial implementation of TeleTrusT EC curves, additional ISO 9797 MACs, contributions to EAC OIDs, addition of EAC algorithms to CMS Signing.</li>
<li>GermDN Rizzo &lt;germano.rizzo@#064gmail.com&gt; - initial implementation of CMac, EAX, HC-128, and HC-256, optimisations for Salsa20.</li>
<li>N&amp;uuml;ria Mar&amp;iacute; &lt;numaa@#064hotmail.com&gt; - patch for alternate data type recognition in CMSSignedDataParser.</li>
<li>Janis Schuller &lt;js@#064tzi.de&gt; - addition of NotationData packets for OpenPGP.</li>
<li>Michael Samblanet &lt;mike@#064samblanet.com&gt; - patches towards improved Sun/default provider support in CMS.</li>
<li>Mike StJohns &lt;mstjohns@#064comcast.net&gt; - patches for supporting empty subject in X.509 certificate generation, noneWithECDSA.</li>
<li>Ramon Keller &lt;ramon.keller@#064gmx.ch&gt; - patch to deal with null revocations return from other CRL in X509V2CRLGenerator.</li>
<li>Mark Nelson &lt;mark@#064nbr.com&gt; - correction to excluded DN in name constraints processing for PKIX processing.</li>
<li>Eugene Golushkov &lt;eugene_gff@#064ukr.net&gt; - mask fix to single byte read in TLSInputStream.</li>
<li>Julien Pasquier &lt;julienpasquier@#064free.fr&gt; - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries.</li>
<li>Peter Knopp &lt;pknopp@#064mtg.de&gt; - fix for named curve recognition in ECGOST key generation.</li>
<li>Jakub Gwozdz &lt;gwozdziu@#064rpg.pl&gt; - addition of getTsa() to TimeStampTokenInfo.</li>
<li>Bartosz Malikowski &lt;bmalkow@#064tigase.org&gt; - initial implementation of VMPC cipher, VMPCRandomGenerator, VMPMCache.</li>
<li>Tal Yacobi &lt;tal.yacobi@#064octavian-tech.com&gt; - fix for issue in OpenPGP examples [#BJA-55].</li>
<li>Massimiliano Ziccardi &lt;massimiliano.ziccardi@#064gmail.com&gt; - support for counter signature reading in CMS API, update for multiple counter signature attributes.</li>
<li>Andrey Pavlenko &lt;andrey.a.pavlenko@#064gmail.com&gt; - security manager patch for PKCS1Encoding property
<li>Mike StJohns <mstjohns&#064comcast.net> - updates to KeyPurposeId</li>
<li>J Ross Nicoll <jrn&#064jrnmne.uk> - improved exception handling for getInstance() in ASN.1 library.</li>
<li>Matthew Stevenson <mavrickanz&#064064yahoo.com> - patch to constructor for CRMF CertSequence.</li>
<li>Gabriele Contini <gcontini&#064064hotmail.com> - identified a bug in ASN.1 library with handling of unterminated NDEFs.</li>
<li>Roelof Naude <roelof.naude&#064064epiuse.com> - patch for TLS client to send empty client certs in response to HP_CERTIFICATE_REQUEST.</li>
<li>Mike Peck <peck&#064064signatureen.at> - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.</li>
<li>Michael LeMay <lemaymd&#064064lemaymd.com> - identified problem with EAX [#BJA-93].</li>
<li>Alex Dupre <ale&#064064FreeBSD.org> - fix to use of Signature rather than SignatureSpi in provider [#BJA-90].</li>
<li>Roelof Naude <roelof.naude&#064064epiuse.com> - patch for TLS client to send empty client certs in response to HP_CERTIFICATE_REQUEST.</li>
<li>Patrick Meyer <stefan.meyer&#064ewe.de> backport for PKIXCertPathValidator and SMIMESignedMailReviewer.</li>
<li>Robert J. Moore <Robert.J.Moore&#064allanbank.com> speedups for OpenPGPCFB mode, clean room JCE patches.</li>
<li>Rui Hodai <rui&#064064po.ntts.co.jp> speed ups for Camellia implementation, CamelliaLightEngine.</li>
<li>Emir Bucalovic <emir.bucalovic&#064064email.com> initial implementation of Grain-v1 and Grain-128.</li>
<li>Torbjorn Svensson <tobbe79&#064064gmail.com> initial implementation of Grain-v1 and Grain-128.</li>
<li>Paul FitzPatrick <bouncycastle_pfitz&#064fitzpatrick.cc> error message fix to X509LDAPCertStoreSpi, comparison fix to BCStrictStyle.</li>
<li>Henrik Andersson <henrik.andersson&#064064gmail.com> addition of UniqeIssuerId to certificate generation.</li>
<li>Cagdas Cirit <cagdascirit&#064064gmail.com> subjectAlternativeName fix for x509CertStoreSelector.</li>
<li>Harakiri <harakiri_23&#064064yahoo.com> datahandler patch for attached parts in SMIME signatures.</li>
<li>Pedro Henriques <pmahenriques&#064064gmail.com> explicit bounds checking for DESKeyGenerator, code simplification for OAEPEncoding.</li>
<li>Lothar Kimmeringer <lothar.kimmeringer.de> verbose mode for ASN1Dump, support for DEREternal.</li>
<li>Richard Farr <rfarr.se&#064064gmail.com> initial SRP-6a implementation.</li>
<li>Thomas Castiglione <castiglione&#064064au.ibm.com> patch to encoding for CRMF OptionalValidity.</li>
<li>Elisabetta Romani <eromani&#064064sogei.it> patch for recognising multiple counter signatures.</li>
<li>Robin Lundgren <rl737lundgren&#064064gmail.com> CMPCertificate constructor from X509CertificateStructure fix.</li>
<li>Petr Kadlec <mormegil&#064064centrum.cz> fix to sign extension key and IV problem in HC-128, HC-256.</li>
<li>Andreas Antener <antener_a&#064064mx.ch> fix to buffer reset in AsymmetricBufferedBlockCipher.</li>
<li>Harendra Rawat <hsrawat&#064064yahoo.com> fix for BERConstructedOctetString.</li>
<li>Rolf Lindemann <lindemann&#064064trustcenter.de> patch for PKCS12 key store to support more flexible attribute specifications [#BMA-42].</li>
<li>Alex Artamonov <alextart.home&#064064gmail.com> name look up patch for GOST-2001 parameters.</li>
<li>Mike Lyons <mllyons&#064064layer7tech.com> work arounds for EC JDK bug 6738532 and JSSE EC naming.
conventions.</li>
<li>Chris Cole <chris_h_cole@yahoo.com> identified a problem handling null passwords when loading a BKS keystore. </li>
<li>Tomas Krivanek <tom@064attack.cz> added checking of Sender header to SignedMailValidator. </li>
<li>Michael <emfau@064t-online.de> correction of field error in getResponse method in CertRepMessage. </li>
<li>Trevor Perrin <trevor@064cryptography.com> addition of constant time equals to avoid possible timing attacks. </li>
<li>Markus Kilåring<s> <markus@064primekey.se> several enhancements to TimeStampResponseGenerator. </li>
<li>Dario Novakovic <darionis@064yahoo.com> fix for NPE when checking revocation reason on CRL without extensions. </li>
<li>Michael Smith <msmith@064cbnco.com> bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes. </li>
<li>Andrea Zilio <andrea.zilio@064gmail.com> fix for PEM password encryption of private keys. </li>
<li>Alex Birkett <alex@064birkett.co.uk> added support for EC cipher suites in TLS client (RFC 4492) [#BJA-291]. </li>
<li>Wayne Grant <waynedgrant@064gmail.com> additional OIDs for PKCS10 and certificate generation support. </li>
<li>Frank Cornelis <info@064frankcornelis.be> additional support classes for CAdES, enhancements to OCSP classes. </li>
<li>Jan Dittberner <jan@064dittberner.info> addHeader patch for SMIME generator. </li>
<li>Bob McGowan <boa.bmcgoo@064btinternet.com> patch to support different content and mgf digests in PSS signing. </li>
<li>Ivo Matheis <i.matheis@064seeburger.de> fix to padding verification in ISO-9796-1. </li>
<li>Marco Sandrini <nessche@064gmail.com> patch to add IV to ISO9797Alg3Mac. </li>
<li>Alf Malf <alfilmalf@064hotmail.com> removal of unnecessary limit in CMSContentInfoParser. </li>
<li>Alfonso Massa <alfonso.massa@064insiel.it> contributions to CMS time stamp classes. </li>
<li>Giacomo Boccoardo <gboccoardo@064unimaticaspa.it> initial work on CMSTimeStampedDataParser. </li>
<li>Arnis Tartu <arnis@064tet.ee> patches for dealing with OIDs with specific key sizes associated in CMS. </li>
<li>Janusz Sikocinski <J.Sikocinski@064gdzie.pl> addition of Features subpacket support to OpenPGP API. </li>
<li>Juri Hudolejev <jhudolejev@064gmail.com> JavaDoc fix to CMSignedDataParser. </li>
<li>Liane Velten <lian.evel&@064hjp-consulting.com> fine tuning of code for DHParameters validation. </li>
<li>Shawn Willden <swillden@064google.com> additional functionality to PGPKeyRing. </li>
<li>Atanas Krachev <akrachev@064gmail.com> added support for revocation signatures in OpenPGP. </li>
<li>Mickael Laiking <mickael.laiking@064keynectis.com> initial cut of EAC classes. </li>
<li>Tim Baktu <tbaktu@064hotmail.com> Initial implementation of NTRU signing and encryption. </li>
<li>Bernd <bernd@064gmail.com> Fix for open of PGP literal data stream with UTF-8 naming. </li>
<li>Steing Inge Morisbak <stein.inge.morisbak@064BEKK.no> Test code for lower case Hex data in PEM headers. </li>
<li>Andreas Schmid <andreas.schmid@064tgtech.com> Additional expiry time check in PGPPublicKeys. </li>
<li>Phil Steitz <phil.steitz@064gmail.com> Final patch eliminating JCE dependencies in the OpenPGP BC classes. </li>
<li>Ignat Korchagin <ignat.korchagin@064gmail.com> Initial implementation of DSTU-4145-2002, long hash fix for DSTU-4145-2002. </li>
<li>Petar Petrov <p.petrov@064bers-soft.com> Testing and debugging of UTF-8 OpenPGP passwords. </li>
<li>Daniel Fitzpatrick <daniel.f.nwr@064gmail.com> Initial implementation of ephemeral key support for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC. </li>
<li>Andy Neilson <Andy.Neilson@quest.com> a further patches to deal with multiple providers and
PEMReader.</li>
<li>Ted Shaw <xiao.xj&#064gmail.com> patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.</li>
<li>Eleriseth <Eleriseth&#064WPECGLtYbVi8Rl6Y7Vz12Lvd2EUVW99v3yNV3IWRQG8.fms> speed up for SIC/CTR mode. Provider compatibility generalisations for EC operations.</li>
<li>Kenny Root <kenny&#064#064the-b.org> patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getIV() patch for AEAD.</li>
<li>Maarten Bodewes <maarten.bodewes&#064gmail.com> initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.</li>
<li>Philip Clay <pilf_b&#0644gymail.com> Initial implementation of J-PAKE.</li>
<li>Brian Carlstrom <bdc&#0644carnstrom.com> compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, initial provider PBKDF2WithHmacSHA1 SecretKeyFactory.</li>
<li>Samuel Lid<eacute;n Borell <samuel&#064primekey.se> patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder</li>
<li>Sergio Demian Lerner <sergiolerner&#064certimix.com> pointing out isInfinity issue in ECDSA/aSigner signature verification.</li>
<li>Tim Whittington <Tim.Whittington&#064orionhealth.com> patch to remove extra init call in CMac, additional of Memorable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSalsa20, ChaCha, reduced round Salsa20, Threefish, and the Poly1305 MAC. Documentation updates. Added OCB support to Noekeon and CAST6 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInput/OutputStream implementations for use with AAD and subsequent bug fixes, cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSDBCrypt, PGP API documentation and code quality work.</li>
<li>Marcus Lundblad <marcus.lundblad&#064primekey.se> patch for working around JDK jarsigner TSP bug, optional setting of IssuerSerial in TimeStampTokenGenerator, additional extensions enhancement for time stamp token generation.</li>
<li>Andrey Zhozhin <zhozhin&#0644xm.ru> patch for override of TSP SignerInfo attributes.</li>
<li>Sergey Tiu nov <s5555d&#064gmail.com> initial cut of DVCS classes.</li>
<li>Damian Kolas a <fatfredyy&#0644gmail.com> ASN1Sequence patch for class cast issue in X9Curve.</li>
<li>Ash Hughes <ashley.hughes&#064blueyonder.co.uk> patches for supporting PGPJoinKeyRing/PGPSecretKeys encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().</li>
<li>Daniel Hirscher <dev&#0644daniel-hirscher.de> patch to support parsing of explicit EC parameters in PEM files.</li>
<li>Daniele Ricci <daniele.athome&#064gmail.com> initial implementation of EC keys for OpenPGP and RFC6637 support.</li>
<li>Matti Aarnio <matti.aarnio&#064methics.fi> tweaks to any build to remove dependence on shell scripts. Initial SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes.</li>
<li>Babak Najafi <bnajafi&#0644akamai.com> fixes to OpenPGP NotationData to prevent truncation problems.</li>
<li>Eric M&uuml;ller <eric.mueller&#064sage.de> additional standard algorithm name lookups in JcaPEMKeyConverter.</li>
<li>Mathias Herberts <Mathias.Herberts&#064gmail.com> fix to inOff usage in RFC3394WrapEngine.</li>
<li>Daniil Ivanov <daniil.ivanov&#064gmail.com> addition of provider support for GOST HMAC SecretKeyFactory.</li>
<li>Daniele Grass o <daniele.grasso86&#064gmail.com> contributions to final Key calculation code for SRP6.</li>
<li>Andrey Utkin <cindrhc&#0644gmail.com> patch to reconstruction of ECGOST keys from PrivateKeyInfo
objects in provider classes.</li>

- Arnis Tartu <arnis@ut.ee> checker for generated key vs OID in JceCMSContentEncryptorBuilder.
- AxelVDB <axel-vdb@064riseup.net> initial implementation of Shacal2.
- Roberto Tyley <> further work on completing gradle build.
- Waldemar Dick <wdick@064devmue.de> code improvement in x500 ASN.1 package.
- Sid Steward <sid.steward@064pdflabs.com> code improvements to ASN1Boolean.
- Alex Klyubin <klyubin@064google.com> AlgorithmParameters check for EC key agreement.
- Jonathan Gillett <gsoc.student@064gmail.com> Initial support for block cipher IVs in IESEngine, IES MAC length check bug fix.
- Andreas Reiter <andreas.reiter@064iick.tugraz.at> Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.
- Kieran Miller <kieran.miller@064gmail.com> initial implementation for RFC 5649 key wrap with padding.
- Oliver Ehli <ehli@064arago.de> Additional support for BSI plain ECDSA in the provider.
- Daniel Heldt <Daniel.Heldt@cryptovision.com> Initial support for encodable state message digests.
- Robert Bushman <bouncycastle@064traxel.com> Clean up of DirectKeySignature example.
- Maurice Aarts <saarts@064risecure.com> updated to KDF generator to follow NIST SP 800-108.
- Franziskus Kiefer <https://github.com/franziskuskiefer> initial implementation of Cramer-Shoup.
- KB Sriram <mail_kb@yahoo.com> testing for odd encodings for PGP User Attribute Subpackets.
- Marco Schulze <marco@064nightlabs.de> Reported verification bug in GenericSigner.
- Lijun Liao <ljin.liao@064gmail.com> added iteration count setters to PKCS#12 PBE mac/key generator builders.
- Tobias Wich <tobias.wich@064eccc.de> Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.
- Hauke Mehl tens <hauke@064hauke-m.de> TLS patch to add ECDHE_ECDSA CCM ciphersuites from RFC 7251.
- Daniel Zimmerman <dmz@064galois.com> Further key quality improvements to RSAKeyPairGenerator.
- Jens Kapitza &lt;jt.kapitza@064schwarze-allianz.de> Iterable support in OpenPGP API, code cleanup in OpenPGP API.
- Johan Eklund <joohan@064primekey.se> update to RFC 6960 for OCSPObjectIdentifiers.
- nikosn <https://github.com/nikosn> Fix to encoding of EC private keys to ensure encoding matches order length.
- Axel von dem Bruch <axel-vdb@064riseup.net> Contributions to BCrypt/OpenBSDBCrypt, original version of Blake2bDigest.
- Derek Atkins <derek@064ihtfp.com> Documentation fixes to X9ObjectIdentifiers.
- Peter Jr Halicky <peto@064halicky.sk> Correction to notification/error message handling in SignedMailValidator.
- Thomas Belot <thomas.belot+BC@064gmail.com> initial CertPathLoopTest for demonstrating stack overflow issue.
- Rich DiCroce <https://github.com/rdcroce> Initial implementation of server-side TLS-SRP support. TLS API extension to support non-blocking usage.
- Bjøruml’n Kautler <https://github.com/Vampire> Refinements to cert path validation (authority key addition, certificate order preservation).
- Dominik Schuuuml’tmann <https://github.com/dschuermann> method for returning signatures/verifications without user IDs on PGPPublicKey, method for exposing S2K in PGPSecretKey, constants for GNU protection.
modes in S2K classes, optional version header for armored output.</li>
<li>Michael <a>MSKnete@#064web.de</a> initial fix for bitStrength issue for OpenPGP EC keys.</li>
<li>Tobias Wagner <a>tobias.wagner@#064n-design.de</a> Fix SecureRandom handling in BcAsymmetricKeyWrapper [#BJA-536].</li>
<li>Sergio Giro <a>ggiro@#064google.com</a> Fixed adding of additional stores from CRL distribution point [#BJA-537]. Fixed missing null check for CRL certificate issuer [#BJA-538], removal of risky zeroisation code in PBE.java, check for salt in PBEKeys that require it.</li>
<li>bschuette <a>https://github.com/bschuette</a> Fixed typo in DefaultSignatureAlgorithmIdentifierFinder, additional methods on CMSSignedDataParser.</li>
<li>Michael.<a>MSKnete@#064web.de</a> initial fix for bitStrength issue for OpenPGP EC keys.</li>
<li>Tobias Wagner <a>tobias.wagner@#064n-design.de</a> Fix SecureRandom handling in BcAsymmetricKeyWrapper [#BJA-536].</li>
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<li>Tobias Wagner <a>tobias.wagner@#064n-design.de</a> Fix SecureRandom handling in BcAsymmetricKeyWrapper [#BJA-536].</li>
<li>bschuette <a>https://github.com/bschuette</a> Fixed typo in DefaultSignatureAlgorithmIdentifierFinder, additional methods on CMSSignedDataParser.</li>
<li>Michael.<a>MSKnete@#064web.de</a> initial fix for bitStrength issue for OpenPGP EC keys.</li>
<li>Tobias Wagner <a>tobias.wagner@#064n-design.de</a> Fix SecureRandom handling in BcAsymmetricKeyWrapper [#BJA-536].</li>
<li>bschuette <a>https://github.com/bschuette</a> Fixed typo in DefaultSignatureAlgorithmIdentifierFinder, additional methods on CMSSignedDataParser.</li>
<li>Michael.<a>MSKnete@#064web.de</a> initial fix for bitStrength issue for OpenPGP EC keys.</li>
<li>Tobias Wagner <a>tobias.wagner@#064n-design.de</a> Fix SecureRandom handling in BcAsymmetricKeyWrapper [#BJA-536].</li>
<li>bschuette <a>https://github.com/bschuette</a> Fixed typo in DefaultSignatureAlgorithmIdentifierFinder, additional methods on CMSSignedDataParser.</li>
McElieceCCA2PrivateKeyParameters.</li>
<li mtausig <https://github.com/mtausig> JavaDoc fix for MCSEncryptedDataGenerator.</li>
<li>Anders Schack-Mulligen <https://github.com/aschackmull> code cleanups for CMSSignedDataParser,
BrokenKDF2BytesGenerator.</li>
<li>Sebastian Wolfgang Roland <sebastianwolfgang.roland@stud.tu-darmstadt.de> Initial XMSS/XMSS-MT
implementation.</li>
<li>didisoft <https://github.com/didisoft> test code for PGP signature removal involving user ids.</li>
<li>Mike Safonov <https://github.com/MikeSafonov> initial implementation of GOST3410-2012 for light weight
provider and JCA.</li>
<li>Artem Storozhuk <storozhuk@stud.tu-darmstadt.de> initial implementation of DSTU7564 (digest) and DSTU7624
(cipher) and their associated modes.</li>
<li>Andreas Glaser <andreas.glaser@gi-de.com> patch to recognise ANSSI curves for PKCS#10 requests.</li>
</ul>
</body>
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1.1285 xbean-asm5-shaded 4.3

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1.1291 mime-support 3.60ubuntu1

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uses the Library", as object code and/or source code, so that the
can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
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b) Use a suitable shared library mechanism for linking with the
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copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

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* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/observers/AssertableSubscriber.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/observers/SafeCompletableSubscriber.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/CompletableFlatMapSingleToCompletable.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/singles/package-info.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OnSubscribeCreate.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/plugins/RxJavaSingleExecutionHookDefault.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/schedulers/GenericScheduledExecutorServiceFactory.java

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* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/observables/AsyncOnSubscribe.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/SingleDoAfterTerminate.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/util/BlockingUtils.java

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* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OperatorToObservableSortedList.java
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* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/observables/Observer.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OperatorTakeLast.java
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* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OperatorIgnoreElements.java
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jar/rx/exceptions/Exceptions.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OnSubscribeTimeoutSelectorWithFallback.java
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* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/util/SuppressAnimalSniffer.java
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* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OnSubscribeReduceSeed.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OnSubscribeConcatMap.java
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* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
jar/rx/internal/operators/SingleOperatorOnErrorResumeNext.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
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jar/rx/internal/operators/OnSubscribeTakeLastOne.java
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* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
jar/rx/internal/operators/OperatorBufferWithSingleObservable.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
jar/rx/internal/operators/OnSubscribeTimerOnce.java
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jar/rx/internal/operators/OnSubscribeDelaySubscription.java
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* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OperatorSampleWithTime.java
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This package contains code that relies on sun.misc.Unsafe. Before using it you MUST assert UnsafeAccess.isUnsafeAvailable() == true

Much of the code in this package comes from or is inspired by the JCTools project:
https://github.com/JCTools/JCTools

JCTools has now published artifacts (https://github.com/JCTools/JCTools/issues/17) so RxJava could add JCTools as a "shadow" dependency (https://github.com/ReactiveX/RxJava/issues/1735). RxJava has a "zero dependency" policy for the core library, so if we do add it as a dependency, it won't be an externally visible dependency that results in a separate jar.

The license for the JCTools code is https://github.com/JCTools/JCTools/blob/master/LICENSE

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This plugin class provides 2 ways to customize [Scheduler] functionality
1. You may redefine entire schedulers, if you so choose. To do so, override
the 3 methods that return Scheduler (io(), computation(), newThread()).
2. You may wrap/decorate an [Action0], before it is handed off to a Scheduler. The system-
supplied Schedulers (Schedulers.ioScheduler, Schedulers.computationScheduler,
Scheduler.newThreadScheduler) all use this hook, so it's a convenient way to
modify Scheduler functionality without redefining Schedulers wholesale.

Also, when redefining Schedulers, you are free to use/not use the onSchedule decoration hook.

See [RxJavaPlugins] or the RxJava GitHub Wiki for information on configuring plugins:
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package javax.activation;

import java.util.Map;
import java.util.WeakHashMap;

/**
 * The CommandMap class provides an interface to a registry of
 * command objects available in the system.
 * Developers are expected to either use the CommandMap
 * implementation included with this package (MailcapCommandMap) or
 * develop their own. Note that some of the methods in this class are
 * abstract.
 */
public abstract class CommandMap {
    private static CommandMap defaultCommandMap = null;
    private static Map<ClassLoader,CommandMap> map =
        new WeakHashMap<ClassLoader,CommandMap>();

    /**
     * Get the default CommandMap.
     *
     * <ul>
     * <li> In cases where a CommandMap instance has been previously set
     *      to some value (via <i>setDefaultCommandMap</i>)
     *      return the CommandMap.
     * <li> In cases where no CommandMap has been set, the CommandMap
     *      creates an instance of <code>MailcapCommandMap</code> and
     *      set that to the default, returning its value.
     * <li> @return the CommandMap
     */
    public static synchronized CommandMap getDefaultCommandMap() {
        if (defaultCommandMap != null)
            return defaultCommandMap;
        // fetch per-thread-context-class-loader default
        ClassLoader tccl = SecuritySupport.getContextClassLoader();
        CommandMap def = map.get(tccl);
        if (def == null) {
            def = new MailcapCommandMap();
            map.put(tccl, def);
            return def;
        }
        return defaultCommandMap;
    }
}
map.put(tccl, def);
}
return def;
}

/**
 * Set the default CommandMap. Reset the CommandMap to the default by
 * calling this method with <code>null</code>.
 *
 * @param commandMap The new default CommandMap.
 * @exception SecurityException if the caller doesn't have permission
 * to change the default
 */
public static synchronized void setDefaultCommandMap(CommandMap commandMap) {
  SecurityManager security = System.getSecurityManager();
  if (security != null) {
    try {
      // if it's ok with the SecurityManager, it's ok with me...
      security.checkSetFactory();
      } catch (SecurityException ex) {
        // otherwise, we also allow it if this code and the
        // factory come from the same (non-system) class loader (e.g.,
        // the JAF classes were loaded with the applet classes).
      ClassLoader cl = CommandMap.class.getClassLoader();
      if (cl == null || cl.getParent() == null ||
      cl != commandMap.getClass().getClassLoader()) {
        throw ex;
      }
    }
  }
  // remove any per-thread-context-class-loader CommandMap
  map.remove(SecuritySupport.getContextClassLoader());
  defaultCommandMap = commandMap;
}

/**
 * Get the preferred command list from a MIME Type. The actual semantics
 * are determined by the implementation of the CommandMap.
 *
 * @param mimeTye The MIME type
 * @return the CommandInfo classes that represent the command Beans.
 */
abstract public CommandInfo[] getPreferredCommands(String mimeType);

/**
 * Get the preferred command list from a MIME Type. The actual semantics
 * are determined by the implementation of the CommandMap. <p>
 *
* The `<code>DataSource</code>` provides extra information, such as
* the file name, that a CommandMap implementation may use to further
* refine the list of commands that are returned. The implementation
* in this class simply calls the `<code>getPreferredCommands</code>`
* method that ignores this argument.
* 
* @param mimeType the MIME type
* @param ds a DataSource for the data
* @return the CommandInfo classes that represent the command Beans.
* @since JAF 1.1
*/
public CommandInfo[] getPreferredCommands(String mimeType, DataSource ds) {
    return getPreferredCommands(mimeType);
}

/**
* Get all the available commands for this type. This method
* should return all the possible commands for this MIME type.
*
* @param mimeType the MIME type
* @return the CommandInfo objects representing all the commands.
*/
abstract public CommandInfo[] getAllCommands(String mimeType);

/**
* Get all the available commands for this type. This method
* should return all the possible commands for this MIME type. <p>
* The `<code>DataSource</code>` provides extra information, such as
* the file name, that a CommandMap implementation may use to further
* refine the list of commands that are returned. The implementation
* in this class simply calls the `<code>getAllCommands</code>`
* method that ignores this argument.
* 
* @param mimeType the MIME type
* @param ds a DataSource for the data
* @return the CommandInfo objects representing all the commands.
* @since JAF 1.1
*/
public CommandInfo[] getAllCommands(String mimeType, DataSource ds) {
    return getAllCommands(mimeType);
}

/**
* Get the default command corresponding to the MIME type.
* 
* @param mimeType the MIME type
* @param cmdName the command name
abstract public CommandInfo getCommand(String mimeType, String cmdName);

/**
 * Get the default command corresponding to the MIME type. <p>
 * The <code>DataSource</code> provides extra information, such as
 * the file name, that a CommandMap implementation may use to further
 * refine the command that is chosen. The implementation
 * in this class simply calls the <code>getCommand</code>
 * method that ignores this argument.
 *<p>
 * @param mimeType the MIME type
 * @param cmdName the command name
 * @param ds DataSource for the data
 * @return the CommandInfo corresponding to the command.
 * @since JAF 1.1
 */
public CommandInfo getCommand(String mimeType, String cmdName, DataSource ds) {
    return getCommand(mimeType, cmdName);
}

/**
 * Locate a DataContentHandler that corresponds to the MIME type.
 * The mechanism and semantics for determining this are determined
 * by the implementation of the particular CommandMap.
 *
 * @param mimeType the MIME type
 * @return the DataContentHandler for the MIME type
 */
abstract public DataContentHandler createDataContentHandler(String mimeType);

/**
 * Locate a DataContentHandler that corresponds to the MIME type.
 * The mechanism and semantics for determining this are determined
 * by the implementation of the particular CommandMap. <p>
 * The <code>DataSource</code> provides extra information, such as
 * the file name, that a CommandMap implementation may use to further
 * refine the choice of DataContentHandler. The implementation
 * in this class simply calls the <code>createDataContentHandler</code>
 * method that ignores this argument.
 *<p>
 * @param mimeType the MIME type
 * @param dsa DataSource for the data
public DataContentHandler createDataContentHandler(String mimeType, DataSource ds) {
    return createDataContentHandler(mimeType);
}

public String[] getMimeTypes() {
    return null;
}

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1.1340 log-rotate 3.11.0 0.1ubuntu1

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 */

package org.springframework.expression;

/**
 * An AccessException is thrown by an accessor if it has an unexpected problem.
 * @author Andy Clement
 * @since 3.0
 */
@SuppressWarnings("serial")
public class AccessException extends Exception {

    /**
     * Create an AccessException with a specific message.
     * @param message the message
     */
    public AccessException(String message) {
        super(message);
    }

    /**
     * Create an AccessException with a specific message and cause.
     * @param message the message
     * @param cause the cause
     */
    public AccessException(String message, Exception cause) {
        super(message, cause);
    }
}
1.1362 cas-server-core-api-monitor 5.2.0

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That's all there is to it!

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

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

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*/

package javax.mail;

import java.io.Serializable;
/**
 * This abstract class models the addresses in a message.
 * Subclasses provide specific implementations. Subclasses
 * will typically be serializable so that (for example) the
 * use of Address objects in search terms can be serialized
 * along with the search terms.
 *
 * @author John Mani
 * @author Bill Shannon
 */

public abstract class Address implements Serializable {

    private static final long serialVersionUID = -5822459626751992278L;

    /**
     * Return a type string that identifies this address type.
     *
     * @return address type
     * @see javax.mail.internet.InternetAddress
     */
    public abstract String getType();

    /**
     * Return a String representation of this address object.
     *
     * @return string representation of this address
     */
    public abstract String toString();

    /**
     * The equality operator. Subclasses should provide an
     * implementation of this method that supports value equality
     * (do the two Address objects represent the same destination?),
     * not object reference equality. A subclass must also provide
     * a corresponding implementation of the <code>equals</code>
     * method that preserves the general contract of
     * <code>equals</code> and <code>hashCode</code> - objects that
     * compare as equal must have the same hashCode.
     *
     * @param address Address object
     */
    public abstract boolean equals(Object address);
}

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public class License {
    private Map<String, Object> vendorExtensions = new LinkedHashMap<String, Object>();
    private String name;
    private String url;

    public License name(String name) {
setName(name);
return this;
}

public License url(String url) {
setUrl(url);
return this;
}

public String getName() {
return name;
}

public void setName(String name) {
this.name = name;
}

public String getUrl() {
return url;
}

public void setUrl(String url) {
this.url = url;
}

@JsonAnyGetter
public Map<String, Object> getVendorExtensions() {
return vendorExtensions;
}

@JsonAnySetter
public void setVendorExtension(String name, Object value) {
if (name.startsWith("x-")) {
vendorExtensions.put(name, value);
}
}

public void setVendorExtensions(Map<String, Object> vendorExtensions) {
this.vendorExtensions = vendorExtensions;
}

@Override
public int hashCode() {
final int prime = 31;
int result = 1;
result = prime * result + ((name == null) ? 0 : name.hashCode());
result = prime * result + ((url == null) ? 0 : url.hashCode());
return result;
```java
@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    License other = (License) obj;
    if (name == null) {
        if (other.name != null) {
            return false;
        }
    } else if (!name.equals(other.name)) {
        return false;
    }
    if (url == null) {
        if (other.url != null) {
            return false;
        }
    } else if (!url.equals(other.url)) {
        return false;
    }
    return true;
}

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 */

package io.swagger.annotations;
```
import java.lang.annotation.ElementType;
import java.lang.annotation.Retention;
import java.lang.annotation.RetentionPolicy;
import java.lang.annotation.Target;

/**
 * License metadata available within the info section of a Swagger definition, see
 * https://github.com/OAI/OpenAPI-Specification/blob/master/versions/2.0.md#licenseObject
 *
 * @since 1.5.0
 */

@Target(ElementType.ANNOTATION_TYPE)
@Retention(RetentionPolicy.RUNTIME)
public @interface License {

 /**
  * The name of the license.
  *
  * @return the name of the license
  */
  String name();

 /**
  * An optional URL for the license.
  *
  * @return an optional URL for the license.
  */
  String url() default "";
}

1.1400 jetty-plus 9.4.12.v20180830

1.1401 persistence-jpa 2.7.3.v20180807

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1.1402 wagon-file 2.8
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1.1404 h2 1.4.199

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    AC_DEFUN([[gl_CANONICALIZE_LGPL]],
    [dnl Do this replacement check manually because the file name is shorter
dnl than the function name.
    AC_CHECK_DECLS_ONCE(canonicalize_file_name)
    AC_CHECK_FUNCS_ONCE(canonicalize_file_name)
    if test $ac_cv_func_canonicalize_file_name = no; then
    AC_LIBOBJ(canonicalize-lgpl)
    AC_DEFINE([[realpath]], [rpl_realpath],
               [Define to a replacement function name for realpath().])
    gl_PREREQ_CANONICALIZE_LGPL
    fi
    ])

    # Like gl_CANONICALIZE_LGPL, except prepare for separate compilation
    # (no AC_LIBOBJ).
    AC_DEFUN([[gl_CANONICALIZE_LGPL_SEPARATE]],
    [AC_CHECK_DECLS_ONCE(canonicalize_file_name)
    AC_CHECK_FUNCS_ONCE(canonicalize_file_name)
    gl_PREREQ_CANONICALIZE_LGPL
    ])

    # Prerequisites of lib/canonicalize-lgpl.c.
    AC_DEFUN([[gl_PREREQ_CANONICALIZE_LGPL]],
    [}
AC_CHECK_HEADERS_ONCE(sys/param.h unistd.h)
AC_CHECK_FUNCS_ONCE(getcwd readlink)
}

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1.1424 redis 3.2.6

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  margin-top: 0.5em;
  margin-bottom: 0.5em;
}
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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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

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

That's all there is to it!
digraph G {
  rankdir="LR";
  label = "label demo";
  labeljust="left";
  subgraph cluster0 {
    a;
    b;
    a->b;
    label = "cluster0";
    labelloc="bottom"
  }
  subgraph cluster1 {
    c;
    d;
    c->d;
    label = "cluster1";
    labelloc="top"
  }
}

This package was originally debianized by Stephen M Moraco <stephen@debian.org> on Fri, 31 Dec 1999 15:37:17 -0700.

It was downloaded from http://www.graphviz.org/

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digraph G {
  rankdir="LR";
  label = "label demo";
  subgraph cluster0 {
    a;
    b;
    a->b;
    label = "cluster0";
    labeljust="left";
  }
  subgraph cluster1 {
    c;
    d;
    c->d;
    label = "cluster1";
  }
}

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1.1431 zlib 1.2.3

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1.1432 jersey-media-sse 2.6

1.1433 ehcache-rest-agent 2.10.6
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Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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1.1451 neo4j-cypher-runtime-util 3.5.12

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1. set BIRT_HOME to the directory where BIRT Report Runtime Package is extracted.
2. enter into $BIRT_HOME/ReportEngine folder.
2. generate the report by run
   genReport xxx.rptdesign
   xxx.rptdesign is the design file. if the design file is in the current directory, you have to specify it by \xxx.rptdesign

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1.1461 mapsforge 0.6.0

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Current core developers are:

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- [**Devemux86**](https://github.com/devemux86)

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1.1462 spring-boot-autoconfigure 1.5.8
1.1463 el-api 2.2

1.1464 influxdb 2.2

1.1464.1 Available under license:

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1.1465 jetty-servlet 9.4.19.v20190610

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Eclipse

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

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

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

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Oracle

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

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

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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OW2

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

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

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Apache

The following artifacts are ASL2 licensed.

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

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MortBay

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

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

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

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Mortbay

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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*******************
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========================

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl/) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us/) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation; see http://www.zope.com/). In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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Mersenne Twister
----------------
The `random` module includes code based on a download from http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html. The following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26. Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed) or init_by_array(init_key, key_length).

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http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html
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Sockets
-------
The `socket` module uses the functions, `getaddrinfo`, and `getnameinfo`, which are coded in separate source files from the WIDE Project, http://www.wide.ad.jp/.

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

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Asynchronous socket services

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

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with Python standard
XML Remote Procedure Calls

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

The :mod:`xmlrpc.client` module contains the following notice::

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test_epoll
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Select kqueue
-------------

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SipHash24
--------

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Original location: https://github.com/majek/csiphash/

Solution inspired by code from:
  - Samuel Neves (supercop/crypto_auth/siphash24/little)
  - djb (supercop/crypto_auth/siphash24/little2)
  - Jean-Philippe Aumasson (https://131002.net/siphash/siphash24.c)

strtd and dtoa
---------------

The file `Python/dtoa.c`, which supplies C functions dtoa and strtd for conversion of C doubles to and from strings, is derived from the file of the same name by David M. Gay, currently available from http://www.netlib.org/fp/. The original file, as retrieved on March 16, 2009, contains the following copyright and licensing notice::

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libffi
-----

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zlib
----

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Jean-loup Gailly    Mark Adler
jloup@gzip.org     madler@alumni.caltech.edu

cfuhash
-------

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libmpdec
--------

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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1.1469 groovy 2.4.12

1.1470 attr 2.4.47 2build1

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- javaee_web_services_1_2.xsd
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- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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

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

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

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

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

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

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

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.
You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

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

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

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

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies
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7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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@csubheading Preamble

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

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The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under
copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

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

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1.1479 ncurses 6.1_p20190518-r0
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*uganda.txt*    For Vim version 8.2.  Last change: 2020 Jan 08

VIM REFERENCE MANUAL    by Bram Moolenaar

*uganda* *Uganda* *copying* *copyright* *license*
SUMMARY
*iccf* *ICCF*
Vim is Charityware. You can use and copy it as much as you like, but you are
encouraged to make a donation for needy children in Uganda. Please see [kcc]
below or visit the ICCF web site, available at these URLs:
You can also sponsor the development of Vim. Vim sponsors can vote for features. See [sponsor]. The money goes to Uganda anyway.

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

=== begin of license ===

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      b) If you have received a modified Vim that was distributed as mentioned under a) you are allowed to further distribute it unmodified, as mentioned at I). If you make additional changes the text under a) applies to those changes.
      c) Provide all the changes, including source code, with every copy of the modified Vim you distribute. This may be done in the form of a context diff. You can choose what license to use for new code you
add. The changes and their license must not restrict others from making their own changes to the official version of Vim.

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- You keep the changes for at least three years after last distributing the corresponding modified Vim. When the maintainer or someone who you distributed the modified Vim to asks you (in any way) for the changes within this period, you must make them available to him.

- You clearly describe in the distribution how to contact you. This contact information must remain valid for at least three years after last distributing the corresponding modified Vim, or as long as possible.

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3) A message must be added, at least in the output of the ":version" command and in the intro screen, such that the user of the modified Vim is able to see that it was modified. When distributing as mentioned under 2)e) adding the message is only required for as far as this does not conflict with the license used for the changes.

4) The contact information as required under 2)a) and 2)d) must not be removed or changed, except that the person himself can make corrections.

III) If you distribute a modified version of Vim, you are encouraged to use the Vim license for your changes and make them available to the maintainer, including the source code. The preferred way to do this is by e-mail or by uploading the files to a server and e-mailing the URL. If the number of changes is small (e.g., a modified Makefile) e-mailing a context diff will do. The e-mail address to be used is <maintainer@vim.org>

IV) It is not allowed to remove this license from the distribution of the Vim sources, parts of it or from a modified version. You may use this license for previous Vim releases instead of the license that they came with, at your option.

=== end of license ===

Note:

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

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

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

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

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

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

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

Kibaale Children's Centre  *kcc*  *Kibaale*  *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

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

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

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

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

*donate*

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

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

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

If you have any further questions, send me e-mail: <Bram@vim.org>.
The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money:*iccf-donations*

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

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

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

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse. This will allow for tax deduction if you live in Holland.
Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

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

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

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift
code and IBAN number. Any other method should work. Ask for information about sponsorship.

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


The e-mail address for sending the money to is:

Bram@iccf-holland.org

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

Others: Transfer to one of these accounts if possible:

Postbank, account 4548774
Swift code: INGB NL 2A
IBAN: NL95 INGB 0004 5487 74
under the name "stichting ICCF Holland", Lisse
If that doesn't work:
Rabobank Lisse, account 3765.05.117
Swift code: RABO NL 2U
under the name "Bram Moolenaar", Lisse
Otherwise, send a check in euro or US dollars to the address below. Minimal amount: $70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:
Bram Moolenaar
Finnterruetihof 1
8134 Adliswil
Switzerland

This address is expected to be valid for a long time.

vim:tw=78:ts=8:noet:ft=help:norl:

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Version 2.1, February 1999

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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Written by: Philip Hazel
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The following organisations and people have contributed to the Bouncy Castle Cryptography Package.

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</li>
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<li>John Serock &lt;jserock@#64;hotmail.com&gt; - fixing null pointer exception in constructor for ExtendedKeyUsage. Fixing of base OID bug in KeyPurposeId.</li>
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Breitenstrom Christian &lt;C.Breitenstrom@064t-systems.com&gt; - compatibility patch to SignaturePacket, DetachedSignatureProcessor.

Zanotti Mirko &lt;zanotti@064cad.it&gt; - patch to ordered equality test for X509Name.

Nicola Scendoni &lt;nscendoni@064babelps.it&gt; - patch to add sorting to CertPath validation.

Ville Skyttä &lt;ville.skytta@064iki.fi&gt; - patch to CRLDistPoint for cRLIssuer field. KeyStore compliance on add patches. DiffieHellman patch for provider compliance. Support for PEM object "TRUSTED CERTIFICATE". Exception handling patch in PEMReader. JavaDoc clean up.

Bruce Gordon &lt;bruce.gordon@savvis.net&gt; - patch to secret key creation encoding NULLPointerException in OpenPGP, speed up for BCPGInputStream.

Miles Whiteley &lt;miles.whiteley@064savsvis.net&gt; - "223" fix for BCPGInputStream new packets.

Albert Moliner &lt;amoliner@064evinta.com&gt; - initial TSP implementation.

Carlos Lozano &lt;carlos@064evinta.com&gt; - initial TSP implementation, patch to SignerInformation for supporting repeated signers, initial updates for supporting repeated attributes in CMS.

Javier Delgadoillo &lt;javi@064javi.codewarp.org&gt; - initial Mozilla PublicKeyAndChallenge classes.

Joni Hahkala &lt;Joni.hahkala@064cern.ch&gt; - initial implementations of VOMS Attribute Certificate Validation,ietfAttrSyntax, and ObjectDigestInfo. We also wish to thank the &lt;a href="http://www.eu-egee.org">EGEE project</a> for making the work available.

Rolf Schillinger &lt;rolf@064sir-wum.de&gt; - initial implementation of Attribute Certificate generation.

Sergey Bahtin &lt;Sergey.Bahtin@064yahoo.com&gt; - fix for recovering certificate aliases in BKS and UBER key stores. Initial implementations of GOST-28147, GOST-3410, EC GOST-3410, GOST OFB mode (GOFB) and GOST-3411.

Franck Leroy &lt;Franck.Leroy@064keynectis.com&gt; - ANS.1 set sorting. Contributions to TSP implementation. Test vectors for Bleichenbacher's forgery attack.

Atsuhiko Yamakawa &lt;ymnk@064jcraft.com&gt; - patch for improving use of Montgomery numbers in BigInteger library. Patch to use size of private exponent in DH parameters.

Nickolay Bolshakov &lt;tyrex@064reksoft.ru&gt; - patch for class cast exception in AuthorityInformationAccess class.

Soren Hilmer &lt;soren.hilmer@064tietoenator.com&gt; - patches for CertID with issuerSerial set in TSP implementation, additional compliance testing.

Steve Mitchell &lt;mitchell@064intertrust.com&gt; - patch for stateful path validator fix. PATCH to allow
BigInteger class to create negative numbers from byte arrays. Additions to allow different providers to be used for asymmetric/symmetric encryption in OpenPGP. Optimisation to avoid redundant verification in path validator. Suggestion to use PKIXParameters.getSigProvider() correctly.

* Dirk Eisner &lt;D.Eisner@seeburger.de&gt; - initial implementation of ISO 78164-4 padding.
* Julien Pasquier &lt;julienpasquier@free.fr&gt; - initial implementation of attribute classes from RFC 3126.
  Fix to KEKIdentifier, OtherKeyAttribute parsing. Initial ContentHints class.
* Matteo &lt;matartuso@4libero.it&gt; - sequence patch to ASN1Dump.
* Andrew Paterson &lt;andrew.paterson@64burnsec.com&gt; - patches to PGP tools, isRevoked method on PGPPublicKey.
* Vladimir Molotkov &lt;vladimir.n.molotkov@64intel.com&gt; - extensive provider exception handling compliance testing.
* Florin Kollan &lt;adlocflo@64web.de&gt; - fix to ElGamalKeyParameters equality testing.
* Pavel Vasiliev &lt;paulvas@64gmail.com&gt; - Initial GOST28147Mac implementation.
* Tom Pesman &lt;tom@64tnux.net&gt; - addition of DES-EDE encryption for RSAPrivate keys to PEMWriter.
* Lukasz Kowalczyk &lt;lukasz.b.kowalczyk@64gmail.com&gt; - fix to fix parsing issue with OpenSSL PEM based certificate requests.
* Arndt Hasch &lt;Arndt.Hasch@maxence.de&gt; - additional fix for partial reading with new style PGP packets.
* Fix Bernd (KCDP 11) &lt;bernd.fix@credit-suisse.com&gt; - fix for 31 byte issue and exception throwing by Whirlpool.
* David M. Lee &lt;dmlee@crossroads.com&gt; - code for add and remove secret key in the PGPSecretKeyRing class. Additions to S/MIME and CMS unit tests.
* Mike Dillon &lt;md5@embody.org&gt; - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.
* tu-vi cung &lt;t2cung@hotmail.com&gt; - patch for out of bounds problem in getDecoderStream method.
* Chris Schultz &lt;cschultz@64gmail.com&gt; - fix for InputStream constructor for X509V2AttributeCertificate.
* David M. Lee &lt;dmlee@crossroads.com&gt; - implementation assistance with streaming CMS classes.
* Joel Rees &lt;rees@64ddcom.co.jp&gt; - fix to correct getOID methods from returning same set on X.509 attribute certificates.
* Francesc Sau &lt;francesc.sau@netfocus.es&gt; - micro fix for tsp Accuracy class.
* Larry Bugbee &lt;bugbee@64mac.com&gt; - initial ECNR implementation.
* Remi Blancher &lt;Remi.Blancher@64keynectis.com&gt; - Contributions to TSP implementation. Initial implementation of RFC 3739 and ICAO ASN.1 classes.
* Brian O'Rourke &lt;brianorourke@64gmail.com&gt; - patch for signature creation time override in OpenPGP.
* Andreas Schwier &lt;andreas.schwier@64cardcontact.de&gt; - initial implementation of ISO9797 MAC Algorithm 3, addition of DES-EDE 64 MAC to the provider, fix to EC point encoding, addition of EC and RSA-PSS OIDs to CMS, addition of AES-CMAC and DESede-CMAC to JCE provider.
* David Josse &lt;david.josse@transacttools.net&gt; - Patch for trailer function in version 2 signature packets.
* Kishimoto Kazuhiko &lt;kazu-k@64hi-ho.ne.jp&gt; - RFC 3280 updates to policy processing in the CertPath validator. Additional test data not covered by NIST.
* Lawrence Tan &lt;lwrnctan@gmail.com&gt; - Large field OID sample test data. Missing key types in
Carlos Valiente &lt;superdupont&#064gmail.com&gt; - Addition of CRL writing to the PEMWriter class.

Keyon AG, Martin Christinat, &lt;a href="http://www.keyon.ch">http://www.keyon.ch</a&gt; - fixing incorrect ASN.1 encoding of field elements in X9FieldEElement class.

Olaf Keller, &lt;olaf.keller.bc&#064bluewin.ch&gt; - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.

Carlos Lozano Ruiz &lt;carlos&#064tradise.com&gt; - patch for &lt;ctrl&gt;&lt;m&gt; only handling in CRLFOutputStream.

John Alfred Prufrock &lt;j.a.prufrock&#064gmail.com&gt; - mods to GOST-3411 and MD2 to support ExtendedDigest.

Stefan Neusatz Guilhen &lt;sneusatz&#064gmail.com&gt; - initial version of RoleSyntax, improvements to AttributeCertificateHolder and AttributeCertificateIssuer.

Marzio Lo Giudice &lt;marzio.logiudice&#064gmail.com&gt; - fix to endianess in KDF2BytesGenerator, additional KDF2 tests.

Georg Lippold &lt;georg.lippold&#064mx.de&gt; - initial implementation of NaccacheStern cipher.

Chris Viles &lt;chris_viles&#064yahoo.com&gt; - fix to SignatureSubpacket critical bit setting.

Pasi Eronen &lt;Pasi.Eronen&#064nokia.com&gt; - extra toString() support for ASN.1 library. Initial patch for large OID components.


Maria Ivanova &lt;m.ivanova&#064gmail.com&gt; - support for tags > 30 in ASN.1 parsing.

Armin H&auml;berling &lt;arminha&#064student.ethz.ch&gt; - first cut of internationalisation, initial PKIX validation classes.

Marius Schilder &lt;mschilder&#064google.com&gt; - main set of test vectors for Bleichenbacher's forgery attack.

Xavier Le Vourch &lt;xavier&#064brittanysoftware.com&gt; - general code clean ups.

Erik Tews &lt;e_tews&#0644dc.informatik.tu-darmstadt.de&gt; - initial threaded random seed generator, constant-time PKCS#1.5 decoding.

Thomas Dixon &lt;reikomusha&#064gmail.com&gt; - initial implementations of TEA/XTEA, Salsa20, ISAAC,
and Noekeon. XTEA enhancements.

- Frank Cornelis &lt;info@#064frankcornelis.be&gt; - addition of crlAccessMethod in X509ObjectIdentifiers.
- Rui Joaquim &lt;rjoaquim@#064cc.isel.ipl.pt&gt; - initial implementation of RSA blinding for signatures.
- David Stacey &lt;DStacey@#064allantgroup.com&gt; - addition of trust packet checking on revocation signatures in PGPSecretKeyRing.
- Martijn Brinkers &lt;list@#064mitm.nl&gt; - better exception handling in CMS enveloping, "just in time" modifications for CRL and Sequence evaluation.
- Julius Davies &lt;juliusdavies@#064gmail.com&gt; - additional modes and algorithm support in PEMReader.
- Matthias &lt;g@#064rtner.de&gt; - GnuPG compatibility changes for PBFileProcessor.
- Olga K&auml;thler &lt;olga.caether@#064hp-consulting.com&gt; - initial implementation of TeleTrusT EC curves, additional ISO 9797 MACs, contributions to EAC OIDs, addition of EAC algorithms to CMS Signing.
- Rui Joaquim &lt;rjoaquim@#064mitm.nl&gt; - initial implementation of TeleTrusT EC curves, additional ISO 9797 MACs, contributions to EAC OIDs, addition of EAC algorithms to CMS Signing.
- Ramon Keller &lt;ramon.keller@#064gmail.com&gt; - patch to deal with null revocations return from other CRL in X509V2CRLGenerator.
- Mark Nelson &lt;mark@#064br.com&gt; - correction to excluded DN in name constraints processing for PKIX processing.
- Eugene Golushkov &lt;eugene_g@#064ukr.net&gt; - mask fix to single byte read in TlsInputStream.
- Julien Pasquier &lt;ulienpasquier@#064free.fr&gt; - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries.
- Peter Knopp &lt;pknopp@#064mtg.de&gt; - fix for named curve recognition in ECGOST key generation.
- Jakub Gwozd &lt;gwozdziu@#064rpm.pl&gt; - addition of getTsa() to TimeStampTokenInfo.
- Bartosz Malkowski &lt;bmalkow@#064tigase.org&gt; - initial implementation of VMPC cipher, VMPCRandomGenerator, VMPCMAC.
- Tal Yacobi &lt;tal.yacobi@#064octavian-tech.com&gt; - fix for issue in OpenPGP examples [#BJA-55].
- Massimiliano Ziccardi &lt;massimiliano.ziccardi@#064gmail.comt&gt; - support for counter signature reading in CMS API, update for multiple counter signature attributes, JCA compliance patch for PEM parsing in CertificateFactory.
- Andrey Pavlenko &lt;andrey.a.pavlenko@#064gmail.com&gt; - security manager patch for PKCS1Encoding property check.
- J Ross Nicoll &lt;jrn@#064jrn.me.uk&gt; - improved exception handling for getInstance() in ASN.1 library.
- Matthew Stevenson &lt;mavrcknz@#064yahoo.com&gt; - patch to construtor for CRMF CertSequence.
- Gabriele Contini &lt;gcontini@#064hotpop.com&gt; - identified a bug in ASN.1 library with handling of unterminated NDFs.
- Roelof Naude &lt;roelof.naude@#064epiuse.com&gt; - patch for TLS client to send empty client certs in response to HP_CERTIFICATE_REQUEST.
- Patrick Peck &lt;peck@#064signature.at&gt; - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.
<li>Michael LeMay &lt;lemaymd@064lemaymd.com&gt; - identified problem with EAX [#BJA-93].</li>
<li>Alex Dupre &lt;ale@064FreeBSD.org&gt; - fix to use of Signature rather than SignatureSpi in provider [#BJA-90]. Addition of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificationRequest [#BJA-102].</li>
<li>Michael Schoene &lt;michael@064sigrid-und-michael.de&gt; - fix of improper handling of null in ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in TimeStampResponse.validate().</li>
<li>Ion Larrañaga &lt;ilarra@064s21sec.com&gt; - fix to default partial packet generation in BCPGOutputStream.</li>
<li>Bob Kerns &lt;bob.kerns@064positscience.com&gt; - fix to hashCode for X509CertificateObject.</li>
<li>Stefan Meyer &lt;stefan.meyer@064ewe.de&gt; - port for PKIXCertPathValidator and SMIMESignedMailReviewer.</li>
<li>Robert J. Moore &lt;Robert.J.Moore@064allanbank.com&gt; - speedups for OpenPGPCFB mode, clean room JCE patches.</li>
<li>Rui Hodai &lt;rui@064po.ntts.co.jp&gt; - speed ups for Camellia implementation, CamelliaLightEngine.</li>
<li>Emir Bucalovic &lt;emir.bucalovic@064mail.com&gt; - initial implementation of Grain-v1 and Grain-128.</li>
<li>Torbjorn Svensson &lt;ttobbe79@064gmail.com&gt; - initial implementation of Grain-v1 and Grain-128.</li>
<li>Paul FitzPatrick &lt;bourneycastle_pfitz@064fitzpatrick.cc&gt; - error message fix to X509LDAPCertStoreSpi, comparison fix to BCStrictStyle.</li>
<li>Henrik Andersson &lt;k.henrik.andersson@gmail.com&gt; - addition of UniqueIssuerID to certificate generation.</li>
<li>Cagdas Cirit &lt;cagdas@cirit@064gmail.com&gt; - subject AlternativeName fix for x509CertStoreSelector.</li>
<li>Harakiri &lt;harakiri23@064yahoo.com&gt; - datahandler patch for attached parts in SMIME signatures.</li>
<li>Pedro Henriques &lt;p.mahenriques@064gmail.com&gt; - explicit bounds checking for DESKeyGenerator, code simplification for OAEPEncoding.</li>
<li>Lothar Kimmeringer &lt;job@064kimmeringer.de&gt; - verbose mode for ASN1Dump, support for DEREternal, DNS performance fix for SMIME API.</li>
<li>Richard Farr &lt;rfarr.se@064gmail.com&gt; - initial SRP-6a implementation.</li>
<li>Thomas Castiglione &lt;castiglione@064au.ibm.com&gt; - patch to encoding for CRMF OptionalValidity.</li>
<li>Elisabetta Romani &lt;leromani@064sogei.it&gt; - patch for recognising multiple counter signatures.</li>
<li>Robin Lundgren &lt;r737lundgren@064gmail.com&gt; - CMPCertificate constructor from X509CertificateStructure fix.</li>
<li>Petr Kadlec &lt;mormegil@064centrum.cz&gt; - fix to sign extension key and IV problem in HC-128, HC-256.</li>
<li>Andreas Antener &lt;antener_a@064gm.ch&gt; - fix to buffer reset in AsymmetricBufferedBlockCipher.</li>
<li>Harendra Rawat &lt;hsrawat@064yahoo.com&gt; - fix for BERConstructedOctetString.</li>
<li>Rolf Lindemann &lt;rlindemann@064trustcenter.de&gt; - patch for PKCS12 key store to support more flexible attribute specifications [#BMA-42].</li>
<li>Alex Artamonov &lt;alexart.home@064gmail.com&gt; - name look up patch for GOST-2001 parameters.</li>
<li>Mike Lyons &lt;mlyons@064layer7tech.com&gt; - work arounds for EC JDK bug 6738532 and JSSCE EC naming conventions.</li>
<li>Chris Cole &lt;chris_h_cole@064yahoo.com&gt; - identified a problem handling null passwords when loading a BKS keystore.</li>
<li>Tomáš Krivanek &lt;tom@064attack.cz&gt; - added checking of Sender header to SignedMailValidator.</li>
<li>Michael &lt;emfau@064it-online.de&gt; - correction of field error in getResponse method in CertRepMessage.</li>
<li>Trevor Perrin &lt;trevor@064cryptography.com&gt; - addition of constant time equals to avoid possible timing attacks.</li>
Markus Kilärens &lt;markus@064primekey.se&gt; several enhancements to TimeStampResponseGenerator.

Dario Novakovic &lt;darionis@064yahoo.com&gt; fix for NPE when checking revocation reason on CRL without extensions.

Michael Smith &lt;msmith@064cbnco.com&gt; bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.

Andrea Zilio &lt;andrea.zilio@064gmail.com&gt; fix for PEM password encryption of private keys.

Alex Birkett &lt;alex@064birkett.co.uk&gt; added support for EC cipher suites in TLS client (RFC 4492) [#BJA-291].

Wayne Grant &lt;waynedgrant@064gmail.com&gt; additional OIDs for PCKS10 and certificate generation support.

Frank Cornelis &lt;info@064frankcornelis.be&gt; additional support classes for CAdES, enhancements to OCSP classes.

Jan Dittberner &lt;jan@064dittberner.info&gt; addHeader patch for SMIME generator.

Bob McGowan &lt;boab.mcgoo@064btinternet.com&gt; patch to support different object and mgf digests in PSS signing.

Ivo Matheis &lt;i.matheis@064seeburger.de&gt; fix to padding verification in ISO-9796-1.

Marco Sandrini &lt;nessche@064gmail.com&gt; patch to add IV to ISO9797Alg3Mac.

Alf Malf &lt;alfilmalf@064hotmail.com&gt; removal of unnecessary limit in CMSContentInfoParser.

Alfonso Massa &lt;alfonso massa@064insiel.it&gt; contributions to CMS time stamp classes.

Giacomo Boccardo &lt;gboccardo@064unicaspa.it&gt; initial work on CMSTimeStampedDataParser.

Arnis Tartu &lt;arnis@064ut.ee&gt; patches for dealing with OIDs with specific key sizes associated in CMS.

Janusz Sikocisiski &lt;j.Sikocinski@064gdzie.pl&gt; addition of Features subpacket support to OpenPGP API.

Juri Hudolejev &lt;jhudolejev@064gmail.com&gt; JavaDoc fix to CMSSignedDataParser.

Liane Velten &lt;liane.velten@064hjp-consulting.com&gt; fine tuning of code for DHParameters validation.

Shawn Willden &lt;willden@064google.com&gt; additional functionality to PGPKeyRing.

Atanas Krachev &lt;akrachev@064gmail.com&gt; added support for revocation signatures in OpenPGP.

Mickael Laiking &lt;mickael.laiking@064keynectis.com&gt; initial cut of EAC classes.

Tim Buktu &lt;tbuktu@064hotmail.com&gt; Initial implementation of NTRU signing and encryption.

Bernd &lt;trbernd@064gmail.com&gt; Fix for open of PGP literal data stream with UTF-8 naming.

Steing Inge Morisbak &lt;stein.inge.morisbak@064BEK.no&gt; Test code for lower case Hex data in PEM headers.

Andreas Schmid &lt;andreas.schmid@064tngtech.com&gt; Additional expiry time check in PGPPublicKeys.

Phil Steitz &lt;phil.steitz@064gmail.com&gt; Final patch eliminating JCE dependencies in the OpenPGP BC classes.

Ignat Korchagin &lt;ignat.korchagin@064gmail.com&gt; Initial implementation of DSTU-4145-2002, long hash fix for DSTU-4145-2002.

Petar Petrov &lt;p. petrov@064bers-soft.com&gt; Testing and debugging of UTF-8 OpenPGP passwords.

Daniel Fitzpatrick &lt;daniel.f.nwr@064gmail.com&gt; Initial implementation of ephemeral key support for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.

Andy Neilson &lt;Andy.Neilson@064quest.com&gt; a further patches to deal with multiple providers and PEMReader.
Ted Shaw &lt;xiao.xj&#064gmail.com&gt; patch to MiscPEMGenerator for handling new PKCS10CertificationRequests. 

Eleriseth &lt;Eleriseth&#064WPECGLtYbVi8RI6Y7VzI2Lvd2EUVW99v3yNV31WROG8.fms&gt; speed up for SIC/CTR mode. Provider compatibility generalisations for EC operations.

Kenny Root &lt;kenny&#064the-b.org&gt; patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getIV() patch for AEAD.

Maarten Bodewes &lt;maarten.bodewes&#064gmail.com&gt; initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.

Philip Clay &lt;phil_b&#064g Yahoo.com&gt; Initial implementation of J-PAKE.

Brian Carlstrom &lt;bc#&#064carlstrom.com&gt; compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, initial provider PBKDF2WithHmacSHA1 SecretKeyFactory.

Samuel Lid&eacute;n Borell &lt;samuel#&#064primekey.se&gt; patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder.

Sergio Demian Lerner &lt;sergiolerner#&#064certimix.com&gt; pointing out isInfinity issue in ECDSASigner signature verification.

Tim Whittington &lt;Tim.Whittington#&#064orionhealth.com&gt; patch to remove extra init call in CMac, additional of Memorable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSalsa20, ChaCha, reduced round Salsa20, Threefish, and the Poly1305 MAC. Documentation updates. Added OCB support to Noekeon and CAST6 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInput/OutputStream implementations for use with AAD and subsequent bug fixes, cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSDBCrypt, PGP API documentation and code quality work.

Marcus Lundblad &lt;marcus.lundblad#&#064primekey.se&gt; patch for working arnound JDK jarsigner TSP bug, optional settings of IssuerSerial in TimeStampTokenGenerator, additional extensions enhancement for time stamp token generation.

Andrey Zhozhin &lt;zhozhin#&#064xrm.ru&gt; patch for override of TSP SignerInfo attributes.

Sergey Tiunov &lt;t5555d#&#064gmail.com&gt; initial cut of DVCS classes.

Damian Kolasa &lt;fatfredyy#&#064gmail.com&gt; ASN1Sequence patch for class cast issue in X9Curve.

Ash Hughes &lt;ashley.hughes#&#064blueyonder.co.uk&gt; patches for supporting PGPPrivateKeyRing/PGPSecretKeys encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().

Daniel Hirscher &lt;dev#&#064daniel-hirsch.de&gt; patch to support parsing of explicit EC parameters in PEM files.

Daniele Ricci &lt;daniele.athome#&#064gmail.com&gt; initial implementation of EC keys for OpenPGP and RFC6637 support.

Matti Aarnio &lt;matti.aarnio#&#064methics.fi&gt; tweaks to any build to remove dependence on shell scripts. Initial SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes, addition of NONEwithRSA to lightweight RSADigestSigner.

Babak Najafi &lt;bnajafi#&#064akamai.com&gt; fixes to OpenPGP NotationData to prevent truncation problems.

Eric M&uuml;ller &lt;eric.mueller#&#064sage.de&gt; additional standard algorithm name lookups in JcaPEMKeyConverter.

Mathias Herberts &lt;Mathias.Herberts#&#064gmail.com&gt; fix to inOff usage in RFC3394WrapEngine.

Daniil Ivanov &lt;daniil.ivanov#&#064gmail.com&gt; addition of provider support for GOST HMAC SecretKeyFactory.
Daniele Grasso &lt;daniele.grasso86&#064gmail.com&gt; contributions to final Key calculation code for SRP6.<br/>
Andrey Utkin &lt;cindrhc&#064gmail.com&gt; patch to reconstruction of ECGOST keys from PrivateKeyInfo objects in provider classes.<br/>
Arnis Tartu &lt;arnis&#064ut.ee&gt; checker for generated key vs OID in JceCMSContentEncryptorBuilder.<br/>
Axel VDB &lt;axel-vdb&#064riseup.net&gt; initial implementation of Shacal2.<br/>
Roberto Tyley &lt;&gt; further work on completing gradle build.<br/>
Waldemar Dick &lt;wdick&#064devmue.de&gt; code improvement in x500 ASN.1 package.<br/>
Sid Steward &lt;sid.steward&#064pdf1labs.com&gt; code improvements to ASN1Boolean.<br/>
Alex Klyubin &lt;klyubin&#064google.com&gt; AlgorithmParameters check for EC key agreement.<br/>
Jonathan Gillett &lt;gsoc.student&#064gmail.com&gt; Initial support for block cipher IVs in IESEngine, IES MAC length check bug fix.<br/>
Andreas Reiter &lt;andreas.reiter&#064iaik.tugraz.at&gt; Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.<br/>
Kieran Miller &lt;kieran.miller&#064gmail.com&gt; initial implementation for RFC 5649 key wrap with padding.<br/>
Oliver Ehli &lt;ehli&#064arago.de&gt; Additional support for BSI plain ECDSA in the provider.<br/>
Daniel Heldt &lt;Daniel.Heldt&#064cryptovision.com&gt; Initial support for encodable state message digests.<br/>
Robert Bushman &lt;bounceycastle&#064riseup.net&gt; Clean up of DirectKeySignature example.<br/>
Maurice Aarts &lt;aarts&#064riseuriscure.com&gt; updated to KDF generator to follow NIST SP 800-108.<br/>
Franziskus Kiefer &lt;https://github.com/franziskuskiefer&gt; initial implementation of Cramer-Shoup.<br/>
KB Sriram &lt;mail_kb&#064yahoo.com&gt; testing for odd encodings for PGP User Attribute Subpackets.<br/>
Marco Schulze &lt;marco&#064nightlabs.de&gt; Reported verification bug in GenericSigner.<br/>
Martin Schaefer &lt;https://github.com/martinschaefer&gt; contributed a code-cleanup patch.<br/>
Tobias Wich &lt;tobias.wich&#064riseup.net&gt; Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.<br/>
Hauke Mehrtens &lt;hauke&#064hauke-m.de&gt; TLS patch to add ECDHE_ECDSA CCM ciphersuites from RFC 7251.<br/>
Daniel Zimmerman &lt;dmz&#064galois.com&gt; Further key quality improvements to RSAKeyPairGenerator.<br/>
Jens Kapitza &lt;jkapitza&#064schwarze-allianz.de&gt; Iterable support in OpenPGP API, code cleanup in OpenPGP API.<br/>
Johan Eklund &lt;johan&#064primekey.se&gt; update to RFC 6960 for OCSPObjectIdentifiers.<br/>
nikosn &lt;https://github.com/nikosn&gt; Fix to encoding of EC private keys to ensure encoding matches order length.<br/>
Axel von dem Bruch &lt;axel-vdb&#064riseup.net&gt; Contributions to BCrypt/OpenBSDCrypt, original version of Blake2Digest.<br/>
Derek Atkins &lt;derek&#064ihtfp.com&gt; Documentation fixes to X9ObjectIdentifiers.<br/>
Peteo &lt;@peto:#064halicky.sk&gt; Correction to notification/error message handling in SignedMailValidator.<br/>
lartiguePierre &lt;https://github.com/lartiguePierre&gt; Fix for counter signature SID in CMSSignedData.<br/>
Thomas Belot &lt;thomas.belot+BC&#064gmail.com&gt; initial CertPathLoopTest for demonstrating stack overflow issue.
<li>Rich DiCroce &lt;https://github.com/rdicroce&gt;; Initial implementation of server-side TLS-SRP support. TLS API extension to support non-blocking usage.</li>
<li>Bjørn Kautler &lt;https://github.com/Vampire&gt;; Refinements to cert path validation (authority key addition, certificate order preservation).</li>
<li>Dominik Schürmann &lt;https://github.com/dschuermann&gt;; method for returning signatures/verifications without user IDs on PGPPublicKey, method for exposing S2K in GPGSecretKey, constants for GNU protection modes in S2K classes, optional version header for armored output.</li>
<li>Michael &lt;MSKnete@#064web.de&gt;; initial fix for bitStrength issue for OpenGPG EC keys, correction for generic type on Recipient Information Store.</li>
<li>Tobias Wagner &lt;tobias.wagner@#064n-design.de&gt;; Fix SecureRandom handling in BcAsymmetricKeyWrapper [#BJA-536].</li>
<li>Sergio Giro &lt;sgiro@#064google.com&gt;; Fixed adding of additional stores from CRL distribution point [#BJA-537]. Fixed missing null check for CRL certificate issuer [#BJA-538], removal of risky zeroisation code in PBE.java, check for salt in PBEKeys that require it.</li>
<li>bschuette &lt;https://github.com/bschuette&gt;; Fixed typo in DefaultSignatureAlgorithmIdentifierFinder, additional methods on CMSSignedDataParser.</li>
<li>Leonard Dallot &lt;https://github.com/dallotTazTag&gt;; Fix to S2K usage of none on changing passwords on keys without passwords originally.</li>
<li>Jan Willem Janssen &lt;j.w.janssen+bouncycastle@#064lxtreme.nl&gt;; Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial object signer verifier for BC lightweight EC.</li>
<li>Sebastian Oerding &lt;sebastian.oerding@robotron.de&gt;; Fixes to toString() in x509.CertificatePolicies.</li>
<li>Kai Kramer &lt;kai.kramer@#064gmail.com&gt;; Code to deal with orphaned chain certificates in the PKCS#12 KeyStore.</li>
<li>Andreaeacute; Berenguel &lt;https://github.com/aberenguel&gt;; Fix to include ECNamedCurveSpec in EC AlgorithmParameterSpi.</li>
<li>Joseph Naegele &lt;jnaegele@grierforensics.com&gt;; Patch for handling multiple certificates in a DANE SMIMEA entry.</li>
<li>The Google Security Team (Project Wycheproof) &lt;https://github.com/google/wycheproof&gt;; defect analysis and additional test cases for the provider.</li>
<li>Gorka Irazoqui &lt;girazoki@wpi.edu&gt;; from Intel Security Center of Excellence &lt;https://security-center.intel.com&gt;; detection of the issue with AESFastEngine (CVE-2016-1000339), additional suggestions for improvement to hardening of AESEngine and finding cache sensitivities in EC key generation/signing.
Joerg Senekowitsch &lt;joerg.senekowitsch@064veridos.com&gt; patch to deal with hard coded boolean in EAC ECDSAPublicKey.

Alexandr Krivoshta &lt;wipe@064ya.ru&gt; N4 calculation fix to GOFB mode.

Artem Storozhuk &lt;storojis72@064gmail.com&gt; N4 calculation fix to GOFB mode.

Na Yu &lt;na.yu@064samsung.com&gt; Constructor patches to CMC PKIData.

Evangelos Karatsiolis &lt;ekaratsiolis@064mtg.de&gt; Corrected use of explicit tagging in X.509 PolicyConstraints class.

VivleSoren &lt;https://github.com/VivleSoren&gt; additional constructor for McElieceCCA2PrivateKeyParameters.

mtausig &lt;https://github.com/mtausig&gt; JavaDoc fix for MCSEncryptedDataGenerator.


Sebastian Wolfgang Roland &lt;sebastianwolfgang.roland@stud.tu-darmstadt.de&gt; Initial XMSS/XMSSMT implementation.

didisoft &lt;https://github.com/didisoft&gt; test code for PGP signature removal involving user ids.

Mike Safonov &lt;https://github.com/MikeSafonov&gt; initial implementation of GOST3410-2012 for lightweight provider and JCA, parameters patches for EC-GOST keys, initial implementation of GOST3412-2015, addition of fromExtensions() for CRLDistPoint.

Artem Storozhuk &lt;storojis72@064gmail.com&gt; initial implementation of DSTU7564 (digest) and DSTU7624 (cipher) and their associated modes.

Andreas Glaser &lt;andreas.glaser@064gi-de.com&gt; patch to recognise ANSSI curves for PKCS#10 requests.

codeborne &lt;https://github.com/cbxp&gt; patch to correct OIDs used in public key digest parameters for EC-GOST-2012.

FauxFaux &lt;https://github.com/FauxFaux&gt; patch for JDK 1.9 update to DRBG.java.

4garbage &lt;https://github.com/4garbage&gt; patch to allow GOST3410-94 private keys encoded as integers.

ekszz &lt;https://github.com/ekszz&gt; corrections to SM2 signer to include default identity value.

jminer &lt;https://github.com/jminer&gt; fix to Blake2b for hashes in range of 2**64-127 to 2**64.

str4d &lt;https://github.com/str4d&gt; initial implementation of Blake2s.

Scott Woodward &lt;scott@064bit3consulting.com&gt; performance fixes for CTRSP800DRBG.

David Strawn &lt;https://github.com/isomarcte&gt; fix for off by one error in SCRYPT bounds checking.

chris mccown &lt;0xchrismccown@064gmail.com&gt; identification of serialisation issue with XMSS/XMSSMT private keys (see also CVE-2018-1000613).

ZZMarquis &lt;https://github.com/ZZMarquis&gt; offset patches for SM2 encryption and decryption, improvemen to Array constant time comparison.

Andreas Kretschmer &lt;https://github.com/Akretsch&gt; NPE fix for CertTemplate.getVersion().

Armin Lunkeit, Michael Tautenhahn &amp;lt;&amp;gt; identification of M-R test issue on higher certainty values in RSA key pair generation.

Vincent Breitmoser &lt;https://github.com/Valodim&gt; fix to ignore unnecessary checksum calculator on PGP secret key encryption.

Adam Vartanian &lt;https://github.com/flooey&gt; use of ShortBuffer exception and buffer size pre-check in Cipher.doFinal().

Bernd &lt;https://github.com/ekci&gt; Fix to make PGPUtility.pipeFileContents use buffer and not leak file handle.

Shartung &lt;https://github.com/shartung&gt; Additional EC Key Agreement algorithms in support of German BSI TR-03111.

Paul Schaub &lt;https://github.com/vanitasvitaev&gt; bringing PGPSecretKey.getUserIds() into line with
PGPPublicKey.getUserIds(). Exception message fix in BcPublicKeyDataDecryptorFactory. Additional tests on PGP key ring generation.\li>
\li>Nick of Nexxar &lt;https://github.com/nros&gt; update to OpenPGP package to handle a broader range of EC curves.\li>
\li>catbref &lt;https://github.com/catbref&gt; sample implementation of RFC 7748/Ed25519 (incorporated work from github users Valodim and str4d as well).\li>
\li>gerlion &lt;https://github.com/gerlion&gt; detection of concurrency issue with pre-1.60 EC math library.\li>
\li>fgrieu &lt;https://github.com/fgrieu&gt; identification and suggested fixes for possible timing vulnerability in OAEP_ENCODING and RSA Core.\li>
\li>MTG &lt;https://github.com/mtgag&gt; patch for decoding issues in PKIPublicationInfo and CertifiedKeyPair.\li>
\li>Andreas Gadermaier &lt;https://github.com/atoulme&gt; Initial implementation of EthereumIESEngine.\li>
\li>Toby &lt;https://github.com/tober&gt; Initial ChaCha20Poly1305 prototype.\li>
\li>Aurimas Liutikas &lt;https://github.com/liutikas&gt; JavaDoc patches to ReasonsMask.\li>
\li>Gabi &lt;https://github.com/gabrielsroka&gt; corrected comments in RSA validation.\li>
\li>sarah-mdv &lt;https://github.com/sarah-mdv&gt; improvements to JceKeyTransRecipientInfoGenerator, tests for JournaledSecureRandom, initial implementation of JournaledAlgorithm.\li>
\li>Jesse Feinman &lt;https://github.com/jsfeinman&gt; performance optimisation in RSAKeyParameters.\li>
\li>Gabi &lt;https://github.com/gabrielsroka&gt; corrected comments in RSA validation.\li>
\li>Antoine Toulme &lt;https://github.com/atoulme&gt; Initial implementation of EthereumIESEngine.\li>
\li>Golden Looi &lt;https://github.com/looly&gt; Patch for addition of C1C3C2 mode to SM2Engine.\li>
\li>Moses Palmer &lt;https://github.com/truesec&gt; Additional improvements to constant time comparisons.\li>
\li>René &lt;https://github.com/securitykernel&gt; Update to XMSS/XMSS^MT OID values to bring them in line with RFC 8391.\li>
\li>THausherr &lt;https://github.com/THausherr&gt; Addition generic support for CMS/TSP functions.\li>
\li>Gaylor Bosson &lt;https://github.com/gilthoniel&gt; Initial implementation of Blake2xs.\li>
\li>gaellalire &lt;https://github.com/gaellalire&gt; Patch for unprotected PGP private keys as SExpr.\li>
\li>im-scooter &lt;https://github.com/im-scooter&gt; Patch for case-insensitive behaviour of Param-Z.\li>
\li>Nick hitchan &lt;https://github.com/hitchan&gt; Fix for typo in engineInitSign() in EdEc SignatureSpi.\li>
\li>dbusche &lt;https://github.com/dbusche&gt; Argon2 optimisations.\li>
\li>Daniel Heldt &lt;https://github.com/dheldt&gt; Fixing encodings in unicode tests to allow a wider range of Java compilers to work. Tweak to inheritance in JceKeyAgreeRecipient.\li>
\li>Ugochukwu Mmaduekw &lt;https://github.com/Xor-el&gt; Fix for initially buggy legacy Integers.numberOfLeadingZeros method.\li>
\li>Gsealy &lt;https://github.com/Gsealy&gt; addition of PBKDF2 with HMAC-SM3 to the provider.\li>
\li>aphuang2013 &lt;https://github.com/aphuang2013&gt; update to path validation in EST service for ClearPath EST.\li>
\li>Kevin Herron &lt;https://github.com/kevinherron&gt; Initial ChaCha20Poly1305 prototype.\li>
\li>kreml &lt;https://github.com/svkreml&gt; GOST compliance change for DefaultCMSSignatureEncryptionAlgorithmFinder.\li>
\li>Tobias Ospelt &lt;https://github.com/tobias/pentagrid.ch&gt; Identification of 1.63 regression in ASN.1 parsing.
1.1504 websocket-server 9.4.12.v20180830

1.1505 slf4j 1.6.1

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1.1506 rsyslog 8.32.0 1ubuntu4

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

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    src/preproc/grn/hdb.cpp
    src/preproc/grn/hgraph.cpp
    src/preproc/grn/hpoint.cpp
    src/preproc/grn/main.cpp

. The `gxditview' output device. It is based on X11’s `xditview' program and thus has the X license.

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

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

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

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

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

tmac/doc.tmac
tmac/doc-old.tmac
tmac/doc-common
tmac/doc-ditroff
tmac/doc-nroff
tmac/doc-syms
tmac/groff_mdoc.man

. The -me macro set, using the BSD license.
Hyphenation Patterns
--------------------

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


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

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


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


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. The files `tmac/hyphen.det' and `tmac/hyphen.den' contain the same patterns as the files `dehyph-x-2017-03-31.pat' and `dehyphn-x-2017-03-31.pat' (for TeX), respectively, which can be found at


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

http://dante.ctan.org/CTAN/macros/cstex/base/csplain.tar.gz

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package org.springframework.web.servlet;

/**
 * Provides additional information about a View such as whether it
 * performs redirects.
 * @author Rossen Stoyanchev
 * @since 3.1
 */
public interface SmartView extends View {

    /**
     * Whether the view performs a redirect.
     */
    boolean isRedirectView();
}

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1.1530 css-core 4.4.0.v20140623020002

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1.1539 zipkin-autoconfigure-storage-mysql

2.8.3

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

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* org.eclipse.jetty.orbit:javax.security.auth.message

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

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

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

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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OW2

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

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

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Apache

The following artifacts are ASL2 licensed.

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

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MortBay

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

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

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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Upstream source https://invisible-island.net/ncurses/ncurses-examples.html

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

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1.1573 aether-util 1.0.2.v20150114

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1.1574 grpc-stub 1.6.0

1.1575 tre 1.1.18 r3

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1.1600 neo4j-kernel-api 3.5.12

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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in libhcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

Optimised ANSI C code for the Rijndael cipher (now AES)

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
@author Paulo Barreto <paulo.barreto@terra.com.br>

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DES core in libhcrypto

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D3DES (V5.09) -

A portable, public domain, version of the Data Encryption Standard.

Written with Symantec's THINK (Lightspeed) C by Richard Outerbridge. Thanks to: Dan Hoey for his excellent Initial and Inverse permutation code; Jim Gillogly & Phil Karn for the DES key schedule code; Dennis Ferguson, Eric Young and Dana How for comparing notes; and Ray Lau, for humouring me on.


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```
Notice and warning messages generated by the server are not returned by the query execution functions, since they do not imply failure of the query. Instead they are passed to a notice handling function, and execution continues normally after the handler returns. The default notice handling function prints the message on `stderr`, but the application can override this behavior by supplying its own handling function.

For historical reasons, there are two levels of notice handling, called the notice receiver and notice processor. The default behavior is for the notice receiver to format the notice and pass a string to the notice processor for printing. However, an application that chooses to provide its own notice receiver will typically ignore the notice processor layer and just do all the work in the notice receiver.

The function `PQsetNoticeReceiver()` sets or examines the current notice receiver for a connection object. Similarly, `PQsetNoticeProcessor()` sets or examines the current notice processor for a connection object.

```c
typedef void (*PQnoticeReceiver) (void *arg, const PGresult *res);

PQnoticeReceiver
PQsetNoticeReceiver(PGconn *conn,
    PQnoticeReceiver proc,
    void *arg);

datatype void (*PQnoticeProcessor) (void *arg, const char *message);

PQnoticeProcessor
PQsetNoticeProcessor(PGconn *conn,
    PQnoticeProcessor proc,
    void *arg);
```
Each of these functions returns the previous notice receiver or processor function pointer, and sets the new value. If you supply a null function pointer, no action is taken, but the current pointer is returned.

When a notice or warning message is received from the server, or generated internally by libpq, the notice receiver function is called. It is passed the message in the form of a `PGRES_NONFATAL_ERROR`.

(This allows the receiver to extract individual fields using `PQresultErrorField`, or obtain a complete preformatted message using `PQresultErrorMessage` or `PQresultVerboseErrorMessage`.) The same void pointer passed to `PQsetNoticeReceiver` is also passed. (This pointer can be used to access application-specific state if needed.)

The default notice receiver simply extracts the message (using `PQresultErrorMessage`) and passes it to the notice processor.

The notice processor is responsible for handling a notice or warning message given in text form. It is passed the string text of the message (including a trailing newline), plus a void pointer that is the same one passed to `PQsetNoticeProcessor`. (This pointer can be used to access application-specific state if needed.)

The default notice processor is simply:

```c
static void
defaultNoticeProcessor(void *arg, const char *message)
{
    fprintf(stderr, "%s", message);
}
```

Once you have set a notice receiver or processor, you should expect that that function could be called as long as either the `PGconn` object or `PGresult` objects made from it exist. At creation of a `PGresult`, the `PGconn`'s current notice handling pointers are copied into the `PGresult` for possible use by functions like `PQgetvalue`.

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  * Added generation of field number constants.

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  * Small patch improving performance of in Python serialization.

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  * Emacs mode for Protocol Buffers (editors/protobuf-mode.el).

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  * Added Swap(), SwapElements(), and RemoveLast() to Reflection interface.

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  * Detect whether zlib is new enough in configure script.
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Evan Jones <evanj@mit.edu>
  * Optimize Java serialization code when writing a small message to a stream.
  * Optimize Java serialization of strings so that UTF-8 encoding happens only
once per string per serialization call.
* Clean up some Java warnings.
* Fix bug with permanent callbacks that delete themselves when run.
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William Orr <will@worrbase.com>
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* Added atomicops for Solaris
Andrew Paprocki <andrew@ishiboo.com>
* Fixed minor IBM xIC compiler build issues
* Added atomicops for AIX (POWER)

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1.1627 hazelcast-gcp 1.1.1

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 */
package org.hibernate.jpa.userguide.util;
import javax.persistence.FetchType;
import javax.persistence.ManyToOne;
import javax.persistence.MappedSuperclass;

/**
 * @author Emmanuel Bernard
 */
@MappedSuperclass
public abstract class CopyrightableContent {
    private Author author;

    public CopyrightableContent() {
    }

    public CopyrightableContentContent() {
    }
}
public CopyrightableContent(Author author) {
    this.author = author;
}

@ManyToOne(fetch = FetchType.LAZY)
private Author getAuthor() {
    return author;
}

private void setAuthor(Author author) {
    this.author = author;
}

/*
 * Hibernate, Relational Persistence for Idiomatic Java
 *
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 *

// $Id: Permission.java 7736 2005-08-03 20:03:34Z steveebersole $
package org.hibernate.test.version.db;
import java.util.Date;

/**
 * Implementation of Permission.
 *
 * @author Steve Ebersole
 *
 public class Permission {
 private Long id;
 private Date timestamp;
 private String name;
 private String context;
 private String access;

 public Permission() {
 }

 public Permission(String name, String context, String access) {
 this.name = name;
 this.context = context;
 this.access = access;
 }

 public Long getId() {
 return id;
public void setId(Long id) {
    this.id = id;
}

public Date getTimestamp() {
    return timestamp;
}

public void setTimestamp(Date timestamp) {
    this.timestamp = timestamp;
}

public String getName() {
    return name;
}

public void setName(String name) {
    this.name = name;
}

public String getContext() {
    return context;
}

public void setContext(String context) {
    this.context = context;
}

public String getAccess() {
    return access;
}

public void setAccess(String access) {
    this.access = access;
}

package org.hibernate.test.type.contributor;

import java.util.Arrays;
import org.hibernate.type.descriptor.WrapperOptions;
import org.hibernate.type.descriptor.java.AbstractTypeDescriptor;

/**
 * @author Vlad Mihalcea
 */
public class ArrayTypeDescriptor extends AbstractTypeDescriptor<Array> {

    private static final String DELIMITER = ",";

    public static final ArrayTypeDescriptor INSTANCE = new ArrayTypeDescriptor();

    public ArrayTypeDescriptor() {
        super( Array.class );
    }

    @Override
    public String toString(Array value) {
        StringBuilder builder = new StringBuilder();
        for ( String token : value ) {
            if ( builder.length() > 0 ) {
                builder.append( DELIMITER );
            }
            builder.append( token );
        }
        return builder.toString();
    }

    @Override
    public Array fromString(String string) {
        if ( string == null || string.isEmpty() ) {
            return null;
        }
        String[] tokens = string.split( DELIMITER );
        Array array = new Array();
        array.addAll( Arrays.asList(tokens) );
        return array;
    }

    @SuppressWarnings({"unchecked"})
    public <X> X unwrap(Array value, Class<X> type, WrapperOptions options) {
        if ( value == null ) {
            return null;
        }
        if ( Array.class.isAssignableFrom( type ) ) {
            return (X) value;
        }
        if ( String.class.isAssignableFrom( type ) ) {
            return (X) toString( value);
        }
        throw unknownUnwrap( type );
    }

    public <X> Array wrap(X value, WrapperOptions options) {

        if ( value == null ) {
            return null;
        }
        if ( Array.class.isAssignableFrom( type ) ) {
            return (X) value;
        }
        if ( String.class.isAssignableFrom( type ) ) {
            return (X) toString( value);
        }
        throw unknownUnwrap( type );
    }
}
if ( value == null ) {
    return null;
}
if ( String.class.isInstance( value ) ) {
    return fromString( (String) value );
}
if ( Array.class.isInstance( value ) ) {
    return (Array) value;
}
    throw unknownWrap( value.getClass() );
}
}

package org.hibernate.test.collection.original;

/**
 * @author Gavin King
 */
public class Permission {
    private String type;
    Permission() {}
    public String getType() {
        return type;
    }
    public void setType(String type) {
        this.type = type;
    }
    public Permission(String type) {
        this.type = type;
    }
    public boolean equals(Object that) {
        if ( !(that instanceof Permission) ) return false;
        Permission p = (Permission) that;
        return this.type.equals(p.type);
    }
    public int hashCode() {
        return type.hashCode();
    }
}
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public class LatestAndGreatestConnectionProviderImplContributor1 implements ServiceContributor {

    @Override
    public void contribute(StandardServiceRegistryBuilder serviceRegistryBuilder) {
        serviceRegistryBuilder.addService(
            ConnectionProvider.class,
            new LatestAndGreatestConnectionProviderImpl()
        );
    }
}

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 * Hibernate, Relational Persistence for Idiomatic Java
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*/

// $Id: Permission.java 7805 2005-08-10 16:25:11Z steveebersole $
package org.hibernate.test.version.sybase;
import java.util.Date;

/**
 * Implementation of Permission.
 *
 * @author Steve Ebersole
 */
public class Permission {
  private Long id;
  private Date timestamp;
  private String name;
  private String context;
  private String access;

  public Permission() {
  }

  public Permission(String name, String context, String access) {
    this.name = name;
    this.context = context;
    this.access = access;
  }

  public Long getId() {
    return id;
  }

  public void setId(Long id) {
    this.id = id;
  }

  public Date getTimestamp() {
    return timestamp;
  }

  public void setTimestamp(Date timestamp) {
    this.timestamp = timestamp;
  }

  public String getName() {
    return name;
  }

}
public void setName(String name) {
    this.name = name;
}

public String getContext() {
    return context;
}

public void setContext(String context) {
    this.context = context;
}

public String getAccess() {
    return access;
}

public void setAccess(String access) {
    this.access = access;
}

package org.hibernate.test.type.contributor;

import java.util.ArrayList;

/**
 * @author Vlad Mihalcea
 */
public class Array extends ArrayList<String> {
    
    /**
     * Hibernate, Relational Persistence for Idiomatic Java
     * 
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     */
    package org.hibernate.test.type.contributor;

    import java.util.List;
    import javax.persistence.Entity;
    import javax.persistence.Id;
    import javax.persistence.Table;
    import org.hibernate.annotations.Type;
    import org.hibernate.cfg.Configuration;
    import org.hibernate.query.Query;
    import org.hibernate.testing.TestForIssue;

    import org.hibernate.annotations.Type;
    import org.hibernate.cfg.Configuration;
    import org.hibernate.query.Query;
    import org.hibernate.testing.TestForIssue;
import org.hibernate.testing.junit4.BaseCoreFunctionalTestCase;
import org.hibernate.test.collection.custom.basic.MyList;
import org.junit.Test;
import static org.hibernate.testing.transaction.TransactionUtil.doInHibernate;
import static org.junit.Assert.assertTrue;

/**
 * @author Vlad Mihalcea
 */
@TestForIssue( jiraKey = "HHH-11409" )
public class ArrayTypeContributorTest extends BaseCoreFunctionalTestCase {

@Override
protected Class<?>[] getAnnotatedClasses() {
    return new Class[]{ CorporateUser.class };
}

@Override
protected Configuration constructAndConfigureConfiguration() {
    Configuration configuration = super.constructAndConfigureConfiguration();
    configuration.registerTypeContributor( (typeContributions, serviceRegistry) -> {
        typeContributions.contributeType( ArrayType.INSTANCE,
                new String[]{ MyList.class.getName(),
                                ArrayType.INSTANCE.getName() }
        );
    } );
    return configuration;
}

@Test
public void test() {
    doInHibernate( this::sessionFactory, session -> {
        CorporateUser user = new CorporateUser();
        user.setUserName( "Vlad" );
        session.persist( user );
        user.getEmailAddresses().add( "vlad@hibernate.info" );
        user.getEmailAddresses().add( "vlad@hibernate.net" );
    } );
    doInHibernate( this::sessionFactory, session -> {
        List<CorporateUser> users = session.createQuery( "select u from CorporateUser u where u.emailAddresses = :address", CorporateUser.class )
               .setParameter( "address", new Array(), ArrayType.INSTANCE )
            .getResultList();
    } );
}
assertTrue( users.isEmpty() );
}

@Entity(name = "CorporateUser")
public static class CorporateUser {

@Id
private String userName;

@Type(type = "comma-separated-array")
private Array emailAddresses = new Array();

public String getUserName() {
    return userName;
}

public void setUserName(String userName) {
    this.userName = userName;
}

public Array getEmailAddresses() {
    return emailAddresses;
}

}

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 *
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 */

//$Id$
package org.hibernate.test.annotations.manytomany;
import java.util.Date;
import javax.persistence.Entity;
import javax.persistence.Id;

/**
 * @author Emmanuel Bernard
 */
@Entity
public class Permission {
    private String permission;
    private Date expirationDate;

    @Id
    public String getPermission() {
        return permission;
    }

    public void setPermission(String permission) {
        this.permission = permission;
    }

    public Date getExpirationDate() {
        return expirationDate;
    }

    public void setExpirationDate(Date expirationDate) {
        this.expirationDate = expirationDate;
    }
}

public class LatestAndGreatestConnectionProviderImplContributor implements ServiceContributor {
    @Override
    public void contribute(standardserviceregistrybuilder serviceregistrybuilder) {
        strategyselector selector = serviceregistrybuilder
            .getbootstrapserviceregistry().
            getservice( strategyselector.class );

        selector.registerstrategyimplementor(
            connectionprovider.class,
            "lag"
            latestandgreatestconnectionproviderimpl.class
        );
    }
}
This file is part of Hibernate Spatial, an extension to the hibernate ORM solution for spatial (geographic) data.

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package org.hibernate.test.type.contributor;

import org.hibernate.dialect.Dialect;
import org.hibernate.type.AbstractSingleColumnStandardBasicType;
import org.hibernate.type.DiscriminatorType;
import org.hibernate.type.descriptor.sql.VarcharTypeDescriptor;

/**
 * @author Vlad Mihalcea
 */
public class ArrayType
extends AbstractSingleColumnStandardBasicType<Array>
implements DiscriminatorType<Array> {

public static final ArrayType INSTANCE = new ArrayType();

public ArrayType() {
    super( VarcharTypeDescriptor.INSTANCE, ArrayTypeDescriptor.INSTANCE );
}

@Override
public Array stringToObject(String xml) throws Exception {
    return fromString( xml );
}

@Override
public String objectToSQLString(Array value, Dialect dialect) throws Exception {
    return toString( value );
}
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(common) are based on BSD-licensed reference implementations created by Jacques Savoy and
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   analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
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   analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

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Last revised by Reagle $Date: 2005/06/03 22:49:13 $

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1.1654 restconf-common-models 1.9.2

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1.1655 concurrent 1.3.4

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History:

Date     Who    What
21Jun1998 dl    Create public version
9Oct1999 dl    faster equals
29Jun2001 dl    Serialization methods now private
*/

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<td>19apr2000</td>
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<td>use barrierLock</td>
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<tr>
<td>12jan2001</td>
<td>dl</td>
<td>public release</td>
</tr>
<tr>
<td>17nov2001</td>
<td>dl</td>
<td>Minor tunings</td>
</tr>
<tr>
<td>20may2002</td>
<td>dl</td>
<td>BarrierLock can now be serialized.</td>
</tr>
<tr>
<td>09dec2002</td>
<td>dl</td>
<td>Fix interference checks.</td>
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*/
/*

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<td>dl</td>
<td>Created, based on ConcurrentReaderHashMap</td>
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<td>Minor tunings</td>
</tr>
<tr>
<td>24oct2003</td>
<td>dl</td>
<td>Segment implements Serializable</td>
</tr>
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</table>

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1.1656 spring-boot-starter 1.5.8

1.1657 spring-tx 5.1.11
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/* _setjmp is implemented in setjmp.S */

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<signature of Ty Coon>, 1 April 1989
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1.1676 go-autorest 1.5.2 0.7.git269f928.el7
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1.1677 ops4j-base-monitors 1.5.0

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package org.eclipse.jetty.servlet;

import java.io.FileNotFoundException;
import java.io.IOException;
import java.io.InputStream;
import java.io.OutputStream;
import java.net.MalformedURLException;
import java.net.URL;
import java.util.ArrayList;
import java.util.Enumeration;
import java.util.List;
import java.util.Map;
import javax.servlet.RequestDispatcher;
import javax.servlet.ServletContext;
import javax.servlet.ServletException;
import javax.servletUnavailableException;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import org.eclipse.jetty.http.HttpContent;
import org.eclipse.jetty.http.HttpHeaderValues;
import org.eclipse.jetty.http.MimeTypes;
import org.eclipse.jetty.io.ByteArrayBuffer;
import org.eclipse.jetty.io.WriterOutputStream;
import org.eclipse.jetty.server.AbstractHttpConnection;
import org.eclipse.jetty.server.Dispatcher;
import org.eclipse.jetty.server.HttpOutput;
import org.eclipse.jetty.server.InclusiveByteRange;
import org.eclipse.jetty.server.ResourceCache;
import org.eclipse.jetty.server.Response;
import org.eclipse.jetty.server.handler.ContextHandler;
import org.eclipse.jetty.server.nio.NIOConnector;
import org.eclipse.jetty.util.IO;
import org.eclipse.jetty.util.MultiPartOutputStream;
import org.eclipse.jetty.util.URIUtil;
import org.eclipse.jetty.util.log.Log;
import org.eclipse.jetty.util.log.Logger;
import org.eclipse.jetty.util.resource.FileResource;
import org.eclipse.jetty.util.resource.Resource;
import org.eclipse.jetty.util.resource.ResourceCollection;
import org.eclipse.jetty.util.resource.ResourceFactory;

/* ---------------------------------------- */
/** The default servlet. */
/** This servlet, normally mapped to /, provides the handling for static */
/** content, OPTION and TRACE methods for the context. */
/** The following initParameters are supported, these can be set either */
/** on the servlet itself or as ServletContext initParameters with a prefix */
/** of org.eclipse.jetty.servlet.Default. : */
* <PRE>
* acceptRanges  If true, range requests and responses are
*             supported
* *
* dirAllowed    If true, directory listings are returned if no
*                welcome file is found. Else 403 Forbidden.
* *
* welcomeServlets  If true, attempt to dispatch to welcome files
*                  that are servlets, but only after no matching static
*                  resources could be found. If false, then a welcome
*                  file must exist on disk. If "exact", then exact
*                  servlet matches are supported without an existing file.
*                  Default is true.
* *
*                  This must be false if you want directory listings,
*                  but have index.jsp in your welcome file list.
* *
* redirectWelcome If true, welcome files are redirected rather than
*                  forwarded to.
* *
* gzip           If set to true, then static content will be served as
*                gzip content encoded if a matching resource is
*                found ending with ".gz"
* *
* resourceBase   Set to replace the context resource base
* *
* resourceCache  If set, this is a context attribute name, which the servlet
*                will use to look for a shared ResourceCache instance.
* *
* relativeResourceBase
*                Set with a pathname relative to the base of the
*                servlet context root. Useful for only serving static content out
*                of only specific subdirectories.
* *
* pathInfoOnly   If true, only the path info will be applied to the resourceBase
* *
* stylesheet     Set with the location of an optional stylesheet that will be used
*                to decorate the directory listing html.
* *
* aliases        If True, aliases of resources are allowed (eg. symbolic
*                links and caps variations). May bypass security constraints.
* *
* maxCacheSize   The maximum total size of the cache or 0 for no cache.
* maxCachedFileSize The maximum size of a file to cache
* maxCachedFiles  The maximum number of files to cache
* *
* useFileMappedBuffer
*                If set to true, it will use mapped file buffer to serve static content
* when using NIO connector. Setting this value to false means that
* a direct buffer will be used instead of a mapped file buffer.
* By default, this is set to true.
* * cacheControl If set, all static content will have this value set as the cache-control
* header.
* *
* */

public class DefaultServlet extends HttpServlet implements ResourceFactory {
    private static final Logger LOG = Log.getLogger(DefaultServlet.class);

    private static final long serialVersionUID = 4930458713846881193L;
    private ServletContext _servletContext;
    private ContextHandler _contextHandler;

    private boolean _acceptRanges=true;
    private boolean _dirAllowed=true;
    private boolean _welcomeServlets=false;
    private boolean _welcomeExactServlets=false;
    private boolean _redirectWelcome=false;
    private boolean _gzip=true;
    private boolean _pathInfoOnly=false;

    private Resource _resourceBase;
    private ResourceCache _cache;

    private MimeTypes _mimeTypes;
    private String[] _welcomes;
    private Resource _stylesheet;
    private boolean _useFileMappedBuffer=false;
    private ByteArrayBuffer _cacheControl;
    private String _relativeResourceBase;
    private ServletHandler _servletHandler;
    private ServletHolder _defaultHolder;

    /* ------------------------------------------------------------ */
    @Override
    public void init()
    throws UnavailableException
    {
    }
_servletContext = getServletContext();
_contextHandler = initContextHandler(_servletContext);

_mimeTypes = _contextHandler.getMimeTypes();

_welcomes = _contextHandler.getWelcomeFiles();
if (_welcomes==null)
   _welcomes=new String[] {"index.html","index.jsp");

_acceptRanges=getInitBoolean("acceptRanges",_acceptRanges);
_dirAllowed=getInitBoolean("dirAllowed",_dirAllowed);
_redirectWelcome=getInitBoolean("redirectWelcome",_redirectWelcome);
_gzip=getInitBoolean("gzip",_gzip);
_pathInfoOnly=getInitBoolean("pathInfoOnly",_pathInfoOnly);

if ("exact".equals(getInitParameter("welcomeServlets")))
{
   _welcomeExactServlets=true;
   _welcomeServlets=false;
}
else
   _welcomeServlets=getInitBoolean("welcomeServlets",_welcomeServlets);

if (getInitParameter("aliases")!=null)
   _contextHandler.setAliases(getInitBoolean("aliases",false));

boolean aliases=_contextHandler.isAliases();
if (!aliases & & !FileResource.getCheckAliases())
   throw new IllegalStateException("Alias checking disabled");
if (aliases)
   _servletContext.log("Aliases are enabled");

_useFileMappedBuffer=getInitBoolean("useFileMappedBuffer",_useFileMappedBuffer);

_relativeResourceBase = getInitParameter("relativeResourceBase");

String rb=getInitParameter("resourceBase");
if (rb!=null)
{
   if (_relativeResourceBase!=null)
      throw new UnavailableException("resourceBase & relativeResourceBase");
   try{
      _resourceBase=_contextHandler.newResource(rb);
   }catch(Exception e)
   {
      LOG.warn(Log.EXCEPTION,e);
      throw new UnavailableException(e.toString());
   }
}
String css=getInitParameter("stylesheet");
try
{
    if(css!=null)
    {
        _stylesheet = Resource.newResource(css);
        if(!_stylesheet.exists())
        {
            LOG.warn("!" + css);
            _stylesheet = null;
        }
    }
    if(_stylesheet == null)
    {
        _stylesheet = Resource.newResource(this.getClass().getResource("/jetty-dir.css"));
    }
} catch(Exception e)
{
    LOG.warn(e.toString());
    LOG.debug(e);
}

String t=getInitParameter("cacheControl");
if (t!=null)
    _cacheControl=new ByteArrayBuffer(t);

String resourceCache = getInitParameter("resourceCache");
int max_cache_size=getInitInt("maxCacheSize", -2);
int max_cached_file_size=getInitInt("maxCachedFileSize", -2);
int max_cached_files=getInitInt("maxCachedFiles", -2);
if (resourceCache!=null)
{
    if (max_cache_size!=-1 || max_cached_file_size!= -2 || max_cached_files!=-2)
        LOG.debug("ignoring resource cache configuration, using resourceCache attribute");
    if (_relativeResourceBase!=null || _resourceBase!=null)
        throw new UnavailableException("resourceCache specified with resource bases");
    _cache=(ResourceCache)_servletContext.getAttribute(resourceCache);
    LOG.debug("Cache {}={}",resourceCache,_cache);
}
try
{
    if (_cache==null && max_cached_files>0)
    {
        _cache= new ResourceCache(null,this._mimeTypes,_useFileMappedBuffer);
    }
}
if (max_cache_size>0)
  _cache.setMaxCacheSize(max_cache_size);
if (max_cached_file_size>=-1)
  _cache.setMaxCachedFileSize(max_cached_file_size);
if (max_cached_files>=-1)
  _cache.setMaxCachedFiles(max_cached_files);
}
}
}
}
}

catch (Exception e)
{
    LOG.warn(Log.EXCEPTION,e);
    throw new UnavailableException(e.toString());
}

 servletHandler= (ServletHandler) _contextHandler.getChildHandlerByClass(ServletHandler.class);
for (ServletHolder h : servletHandler.getServlets())
  if (h.getServletInstance()==this)
    _defaultHolder=h;

if (LOG.isDebugEnabled())
    LOG.debug("resource base = "+_resourceBase);
}

/**
 * Compute the field _contextHandler.<br>
 * In the case where the DefaultServlet is deployed on the HttpService it is likely that
 * this method needs to be overwritten to unwrap the ServletContext facade until we reach
 * the original jetty's ContextHandler.
 * @param servletContext The servletContext of this servlet.
 * @return the jetty's ContextHandler for this servletContext.
 */
protected ContextHandler initContextHandler(ServletContext servletContext)
{
    ContextHandler.Context scontext=ContextHandler.getCurrentContext();
    if (scontext==null)
    {
        if (servletContext instanceof ContextHandler.Context)
        else
            throw new IllegalArgumentException("The servletContext "+servletContext +" is not "+ContextHandler.Context.class.getName());
    }
    else
        return ContextHandler.getCurrentContext().getContextHandler();
}

/* ------------------------------- */
@Override
public String getInitParameter(String name)
{
    String value=getServletContext().getInitParameter("org.eclipse.jetty.servlet.Default."+name);
    if (value==null)
        value=super.getInitParameter(name);
    return value;
}

/*  *************************************************************** */
private boolean getInitBoolean(String name, boolean dft)
{
    String value=getInitParameter(name);
    if (value==null || value.length()==0)
        return dft;
    return (value.startsWith("t")||
            value.startsWith("T")||
            value.startsWith("y")||
            value.startsWith("Y")||
            value.startsWith("1"));
}

/*  *************************************************************** */
private int getInitInt(String name, int dft)
{
    String value=getInitParameter(name);
    if (value==null)
        value=getInitParameter(name);
    if (value!=null && value.length()>0)
        return Integer.parseInt(value);
    return dft;
}

/*  *************************************************************** */
/** get Resource to serve.  
* Map a path to a resource. The default implementation calls  
* HttpContext.getResource but derived servlets may provide  
* their own mapping.  
* @param pathInContext The path to find a resource for.  
* @return The resource to serve.  
*/
public Resource getResource(String pathInContext)
{
    Resource r=null;
    if (_relativeResourceBase!=null)
        pathInContext=URIUtil.addPaths(_relativeResourceBase,pathInContext);

    try
if (_resourceBase!=null)
{
    r = _resourceBase.addPath(pathInContext);
}
else
{
    URL u = _servletContext.getResource(pathInContext);
    r = _contextHandler.newResource(u);
}

if (LOG.isDebugEnabled())
    LOG.debug("Resource "+pathInContext+"="+r);
}
catch (IOException e)
{
    LOG.ignore(e);
}

if(r==null || !r.exists() && pathInContext.endsWith("/jetty-dir.css"))
    r=_stylesheet;

return r;

/* _______________________________________________________ */
@Override
protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException
{
    String servletPath=null;
    String pathInfo=null;
    Enumeration<String> reqRanges = null;
    Boolean included = request.getAttribute(Dispatcher.INCLUDE_REQUEST_URI)!=null;
    if (included!=null && included.booleanValue())
    {
        servletPath=(String)request.getAttribute(Dispatcher.INCLUDE_SERVLET_PATH);
        pathInfo=(String)request.getAttribute(Dispatcher.INCLUDE_PATH_INFO);
        if (servletPath==null)
        {
            servletPath=request.getServletPath();
            pathInfo=request.getPathInfo();
        }
    }
    else
    {
        included = Boolean.FALSE;
        servletPath = _pathInfoOnly?"/":request.getServletPath();

```
pathInfo = request.getPathInfo();

// Is this a Range request?
reqRanges = request.getHeaders(HttpHeaders.RANGE);
if (!hasDefinedRange(reqRanges))
    reqRanges = null;
}

String pathInContext=URIUtil.addPaths(servletPath,pathInfo);
boolean endsWithSlash=(pathInfo==null?request.getServletPath():pathInfo).endsWith(URIUtil.SLASH);

// Can we gzip this request?
String pathInContextGz=null;
boolean gzip=false;
if (!_included.booleanValue() && _gzip && reqRanges==null && !endsWithSlash )
{
  // Tell caches that response may vary by accept-encoding
  response.setHeader(HttpHeaders.VARY,HttpHeaders.ACCEPT_ENCODING);
  // Should we vary this response according to accept-encoding?
  String accept=request.getHeader(HttpHeaders.ACCEPT_ENCODING);
  if (accept!=null && accept.indexOf("gzip")>=0)
    gzip=true;
}

// Find the resource and content
Resource resource=null;
HttpContent content=null;
try
{
  // Try gzipped content first
  if (gzip)
  {
    pathInContextGz=pathInContext+".gz";

    if (_cache==null)
    {
      resource=getResource(pathInContextGz);
    }
    else
    {
      content=_cache.lookup(pathInContextGz);
      resource=(content==null)?null:content.getResource();
    }

    if (resource==null || !resource.exists() || resource.isDirectory())
    {
      gzip=false;
    }
}
pathInContextGz=null;
}
}

// find resource
if (!gzip)
{
if (_cache==null)
resource=getResource(pathInContext);
ext else
{
content=_cache.lookup(pathInContext);
resource=content==null?null:content.getResource();
}
}

if (LOG.isDebugEnabled())
LOG.debug("uri="+request.getRequestURI()+" resource="+resource+(content!=null?" content":""));

// Handle resource
if (resource==null || !resource.exists())
{
if (included)
throw new FileNotFoundException("!" + pathInContext);
response.sendError(HttpServletResponse.SC_NOT_FOUND);
}
else if (!resource.isDirectory())
{
if (endsWithSlash && _contextHandler.isAliases() && pathInContext.length()>1)
{
String q=request.getQueryString();
pathInContext=pathInContext.substring(0,pathInContext.length()-1);
if (q!=null&&q.length()!)=0)
pathInContext+="?"+q;
response.sendRedirect(response.encodeRedirectURL(URIUtil.addPaths(_servletContext.getContextPath(),pathInContext)));
}
else
{
// ensure we have content
if (content==null)
content=new 
HttpContent.ResourceAsHttpContent(resource,_mimeTypes.getMimeByExtension(resource.toString()),response.getBufferSize());
if (included.booleanValue() || passConditionalHeaders(request,response, resource,content))
{
if (gzip)
{  
response.setHeader(HttpHeaders.CONTENT_ENCODING,"gzip");  
String mt=_servletContext.getMimeType(pathInContext);  
if (mt!=null)  
  response.setContentType(mt);  
}  
sendData(request,response,included.booleanValue(),resource,content,reqRanges);  
}  
}  
else  
{  
String welcome=null;  

if (!endsWithSlash || (pathInContext.length()==1 &&
request.getAttribute("org.eclipse.jetty.server.nullPathInfo")!=null))  
{  
  StringBuffer buf=request.getRequestURL();  
synchronized(buf)  
  {  
    int param=buf.lastIndexOf(";");  
    if (param<0)  
      buf.append('/');  
    else  
      buf.insert(param,'/');  
    String q=request.getQueryString();  
    if (q!=null&&q.length()!=0)  
    {  
      buf.append('?');  
      buf.append(q);  
    }  
    response.setContentLength(0);  
    response.sendRedirect(response.encodeRedirectURL(buf.toString()));  
  }  
// else look for a welcome file  
else if (null!=(welcome=getWelcomeFile(pathInContext)))  
{  
  LOG.debug("welcome={}",welcome);  
  if (_redirectWelcome)  
  {  
    // Redirect to the index  
    response.setContentLength(0);  
    String q=request.getQueryString();  
    if (q!=null&&q.length()!=0)  
      response.sendRedirect(response.encodeRedirectURL(_servletContext.getContextPath(),welcome)+"?"+q));  
  else  
  
}
response.sendRedirect(response.encodeRedirectURL(URIUtil.addPaths(
  _servletContext.getContextPath(),welcome)));
}
else
{
  // Forward to the index
  RequestDispatcher dispatcher=request.getRequestDispatcher(welcome);
  if (dispatcher!=null)
  {
    if (included.booleanValue())
      dispatcher.include(request,response);
    else
    {
      request.setAttribute("org.eclipse.jetty.server.welcome",welcome);
      dispatcher.forward(request,response);
    }
  }
}
else
{
  content=new
  HttpContent.ResourceAsHttpContent(resource,_mimeTypes.getMimeByExtension(resource.toString()));
  if (included.booleanValue() || passConditionalHeaders(request,response, resource,content))
    sendDirectory(request,response,resource,pathInContext);
}
}
}

catch(IllegalArgumentException e)
{
  LOG.warn(Log.EXCEPTION,e);
  if(!response.isCommitted())
    response.sendError(500, e.getMessage());
}
finally
{
  if (content!=null)
    content.release();
  else if (resource!=null)
    resource.release();
}

private boolean hasDefinedRange(Enumeration<String> reqRanges)
{
  return (reqRanges!=null & reqRanges.hasMoreElements());
}
@Override
protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException
{
    doGet(request, response);
}

/* (non-Javadoc)
* @see javax.servlet.http.HttpServlet#doTrace(javax.servlet.http.HttpServletRequest,
* javax.servlet.http.HttpServletResponse)
*/
@Override
protected void doTrace(HttpServletRequest req, HttpServletResponse resp) throws ServletException, IOException
{
    resp.sendError(HttpServletResponse.SC_METHOD_NOT_ALLOWED);
}

/* (non-Javadoc)
* @see javax.servlet.http.HttpServlet#doOptions(javax.servlet.http.HttpServletRequest,
* javax.servlet.http.HttpServletResponse)
*/
@Override
protected void doOptions(HttpServletRequest req, HttpServletResponse resp)
throws ServletException, IOException
{
    resp.setHeader("Allow", "GET,HEAD,POST,OPTIONS");
}

/**
 * Finds a matching welcome file for the supplied { @link Resource }. This will be the first entry in the list of
 * configured { @link #_welcomes welcome files } that existing within the directory referenced by the
 * <code>Resource</code>.
 * If the resource is not a directory, or no matching file is found, then it may look for a valid servlet mapping.
 * If there is none, then <code>null</code> is returned.
 * The list of welcome files is read from the { @link ContextHandler } for this servlet, or
 * <code>"index.jsp" , "index.html"</code> if that is <code>null</code>.
 * @param resource
 * @return The path of the matching welcome file in context or null.
 * @throws IOException
 * @throws MalformedURLException
 */
private String getWelcomeFile(String pathInContext) throws MalformedURLException, IOException
{
    if (_welcomes==null)
        return null;
    return null;
String welcome_servlet=null;
for (int i=0;i<_welcomes.length;i++)
{
    String welcome_in_context=URIUtil.addPaths(pathInContext,_welcomes[i]);
    Resource welcome=getResource(welcome_in_context);
    if (welcome!=null &amp;&amp; welcome.exists())
        return _welcomes[i];

    if ( (_welcomeServlets || _welcomeExactServlets) &amp;&amp; welcome_servlet==null )
    {
        Map.Entry entry=_servletHandler.getHolderEntry(welcome_in_context);
        if (entry!=null &amp;&amp; entry.getValue()!=_defaultHolder &amp;&amp;
            ( _welcomeServlets || (_welcomeExactServlets &amp;&amp; entry.getKey().equals(welcome_in_context)) )
            welcome_servlet=welcome_in_context;
    }
}
return welcome_servlet;
}

/* ----------------------------------------------------------- */
/* Check modification date headers. */
/* */
protected boolean passConditionalHeaders(HttpServletRequest request,HttpServletResponse response, Resource resource, HttpContent content)
throws IOException
{
    try
    {
        if (!request.getMethod().equals(HttpMethods.HEAD) )
        {
            String ifms=request.getHeader(HttpHeaders.IF_MODIFIED_SINCE);
            if (ifms!=null)
            {
                //Get jetty's Response impl
                Response r = Response.getResponse(response);
                if (content!=null)
                {
                    Buffer mdlm=content.getLastModified();
                    if (mdlm!=null)
                    {
                        if (ifms.equals(mdlm.toString()))
                        {
                            r.reset(true);
                            r.setStatus(HttpServletResponse.SC_NOT_MODIFIED);
                            r.flushBuffer();
                            return false;
                        }
                    }
                }
            }
        }
    }
}
long ifmsl=request.getDateHeader(HttpHeaders.IF_MODIFIED_SINCE);
if (ifmsl!=-1)
{
    if (resource.lastModified()/1000 <= ifmsl/1000)
    {
        r.reset(true);
        r.setStatus(HttpServletResponse.SC_NOT_MODIFIED);
        r.flushBuffer();
        return false;
    }
}

// Parse the if[un]modified dates and compare to resource
long date=request.getDateHeader(HttpHeaders.IF_UNMODIFIED_SINCE);

if (date!=-1)
{
    if (resource.lastModified()/1000 > date/1000)
    {
        response.sendError(HttpServletResponse.SC_PRECONDITION_FAILED);
        return false;
    }
}

} catch(IllegalArgumentException iae)
{
    if(!response.isCommitted())
    {
        response.sendError(400, iae.getMessage());
        throw iae;
    }
    return true;
}

/* ------------------------------------------------------------------- */
protected void sendDirectory(HttpServletRequest request,
                              HttpServletResponse response,
                              Resource resource,
                              String pathInContext)
                              throws IOException
if (!_dirAllowed)
{
    response.sendError(HttpServletResponse.SC_FORBIDDEN);
    return;
}

byte[] data=null;
String base = URIUtil.addPaths(request.getRequestURI(),URIUtil.SLASH);

//If the DefaultServlet has a resource base set, use it
if (_resourceBase != null)
{
    // handle ResourceCollection
    if (_resourceBase instanceof ResourceCollection)
        resource=_resourceBase.addPath(pathInContext);
}
//Otherwise, try using the resource base of its enclosing context handler
else if (_contextHandler.getBaseResource() instanceof ResourceCollection)
    resource=_contextHandler.getBaseResource().addPath(pathInContext);

String dir = resource.getListHTML(base,pathInContext.length()>1);
if (dir==null)
{
    response.sendError(HttpServletResponse.SC_FORBIDDEN,
        "No directory");
    return;
}

data=dir.getBytes("UTF-8");
response.setContentType("text/html; charset=UTF-8");
response.setContentLength(data.length);
response.getOutputStream().write(data);
}

/* ------------------------------------------------------------ */
protected void sendData(HttpServletRequest request,
HttpServletResponse response,
boolean include,
Resource resource,
HttpContent content,
Enumeration reqRanges)
throws IOException
{
    boolean direct;
    long content_length;
    if (content==null)
    {
        direct=false;
    }
content_length=resource.length();
}
else
{
    Connector connector = AbstractHttpConnection.getCurrentConnection().getConnector();
    direct=connector instanceof NIOConnector && ((NIOConnector)connector).getUseDirectBuffers() &&
    !(connector instanceof SslConnector);
    content_length=content.getLength();
}

// Get the output stream (or writer)
OutputStream out = null;
boolean written;
try
{
    out = response.getOutputStream();

    // has a filter already written to the response?
    written = out instanceof HttpOutput
    ? ((HttpOutput)out).isWritten()
    : AbstractHttpConnection.getCurrentConnection().getGenerator().isWritten();
} catch (IllegalStateException e)
{
    out = new WriterOutputStream(response.getWriter());
    written=true; // there may be data in writer buffer, so assume written
}

if (reqRanges == null || !reqRanges.hasMoreElements() || content_length<0)
{
    // if there were no ranges, send entire entity
    if (include)
    {
        resource.writeTo(out, 0, content_length);
    }
    else
    {
        // See if a direct methods can be used?
        if (content!=null && !written && out instanceof HttpOutput)
        {
            if (response instanceof Response)
            {
                writeOptionHeaders(((Response)response).getHttpFields());
                ((AbstractHttpConnection.Output)out).sendContent(content);
            }
            else
            {

            }
        }
    }
}
Buffer buffer = direct?content.getDirectBuffer():content.getIndirectBuffer();
if (buffer!=null)
{
    writeHeaders(response,content,content_length);
    ((AbstractHttpConnection.Output)out).sendContent(buffer);
} else
{
    writeHeaders(response,content,content_length);
    resource.writeTo(out,0,content_length);
}
}
else
{
    // Write headers normally
    writeHeaders(response,content,written?-1:content_length);

    // Write content normally
    Buffer buffer = (content==null)?null:content.getIndirectBuffer();
    if (buffer!=null)
        buffer.writeTo(out);
    else
        resource.writeTo(out,0,content_length);
}
}
else
{
    // Parse the satisfiable ranges
    List ranges =InclusiveByteRange.satisfiableRanges(reqRanges,content_length);

    // if there are no satisfiable ranges, send 416 response
    if (ranges==null || ranges.size()==0)
    {
        writeHeaders(response, content, content_length);
        response.setStatus(HttpServletResponse.SC_REQUESTED_RANGE_NOT_SATISFIABLE);
        response.setHeader(HttpHeaders.CONTENT_RANGE, InclusiveByteRange.to416HeaderRangeString(content_length));
        resource.writeTo(out,0,content_length);
        return;
    }

    // if there is only a single valid range (must be satisfiable
    // since were here now), send that range with a 216 response
    if ( ranges.size()== 1)
    {
        InclusiveByteRange singleSatisfiableRange =
(InclusiveByteRange) ranges.get(0);
long singleLength = singleSatisfiableRange.getSize(content_length);
writeHeaders(response, content, singleLength);
response.setStatus(HttpServletResponse.SC_PARTIAL_CONTENT);
response.setHeader(HttpHeaders.CONTENT_RANGE,
singleSatisfiableRange.toHeaderRangeString(content_length));
resource.writeTo(out, singleSatisfiableRange.getFirst(content_length), singleLength);
return;
}

// multiple non-overlapping valid ranges cause a multipart
// 216 response which does not require an overall
// content-length header
//
writeHeaders(response, content, -1);
String mimetype = content.getContentType().toString();
MultiPartOutputStream multi = new MultiPartOutputStream(out);
response.setStatus(HttpServletResponse.SC_PARTIAL_CONTENT);

// If the request has a "Request-Range" header then we need to
// send an old style multipart/x-byteranges Content-Type. This
// keeps Netscape and acrobat happy. This is what Apache does.
String ctp;
if (request.getHeader(HttpHeaders.REQUEST_RANGE) != null)
    ctp = "multipart/x-byteranges; boundary=";
else
    ctp = "multipart/byteranges; boundary=";
response.setContentType(ctp + multi.getBoundary());
InputStream in = resource.getInputStream();
long pos = 0;

// calculate the content-length
int length = 0;
String[] header = new String[ranges.size()];
for (int i = 0; i < ranges.size(); i++)
{
    InclusiveByteRange ibr = (InclusiveByteRange) ranges.get(i);
    header[i] = ibr.toHeaderRangeString(content_length);
    length +=
        ((i > 0) ? 2 : 0) +
        2 + multi.getBoundary().length() + 2 +
        HttpHeaders.CONTENT_TYPE.length() + 2 + mimetype.length() + 2 +
        HttpHeaders.CONTENT_RANGE.length() + 2 + header[i].length() + 2 +
        2 +
        (ibr.getLast(content_length) - ibr.getFirst(content_length)) + 1;
}
length += 2 + 2 + multi.getBoundary().length() + 2 + 2;
response.setContentType(content.getContentType().toString());

if (content.getContentType()!=null && response.getContentType()==null)
response.setContentType(content.getContentType().toString());

if (response instanceof Response)
{
Response r=(Response)response;

if (response instanceof Response)
{
Response r=(Response)response;

HttpFields fields = r.getHttpFields();

if (content.getLastModified()!=null)
    fields.put(HttpHeaders.LAST_MODIFIED_BUFFER, content.getLastModified());
else if (content.getResource()!=null)
{
    long lml=content.getResource().lastModified();
    if (lml!=-1)
        fields.putDateField(HttpHeaders.LAST_MODIFIED_BUFFER, lml);
}

if (count != -1)
    r.setLongContentLength(count);

writeOptionHeaders(fields);
}
else
{
    long lml=content.getResource().lastModified();
    if (lml>=0)
        response.setDateHeader(HttpHeaders.LAST_MODIFIED, lml);
    if (count != -1)
    {
        if (count<Integer.MAX_VALUE)
            response.setContentLength((int)count);
        else
            response.setHeader(HttpHeaders.CONTENT_LENGTH, Long.toString(count));
    }

    writeOptionHeaders(response);
}

/* ----------------------------------------------- */
protected void writeOptionHeaders(HttpFields fields) throws IOException
{
    if (_acceptRanges)
        fields.put(HttpHeaders.ACCEPT_RANGES_BUFFER, HttpHeaders.BYTES_BUFFER);

    if (_cacheControl!=null)
        fields.put(HttpHeaders.CACHE_CONTROL_BUFFER, _cacheControl);
}

/* ----------------------------------------------- */
protected void writeOptionHeaders(HttpServletResponse response) throws IOException
{
    if (_acceptRanges)
response.setHeader(HttpHeaders.ACCEPT_RANGES,"bytes");

if (_cacheControl!=null)
    response.setHeader(HttpHeaders.CACHE_CONTROL,_cacheControl.toString());
}

/*
   ------------------------------------------------------------- */
/* */
/* @see javax.servlet.Servlet#destroy() */
/* */
@Override
public void destroy()
{
    if (_cache!=null)
        _cache.flushCache();
    super.destroy();
}

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1.1701 gnupg 2.2.4 1ubuntu1.2

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dns.c - Recursive, Reentrant DNS Resolver.

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1.1705 ops4j-base-lang 1.5.0

1.1706 jmx-console 5.5.2.174165

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1.1708 spring-boot-starter-aop 2.1.10

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1.1713 elfutils 0.176 1.1

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1.1718 sysv-init 2.93 9

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

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QLogic Linux qlcnic NIC Driver

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That's all there is to it!

```c
#ifndef __LICENSE_H
#define __LICENSE_H

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

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

.. note::

This documentation is outdated. There are several other DVB contributors
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- for the initial saa7146 driver and its recent overhaul

- Christian Theiss

- for his work on the initial Linux DVB driver

- Marcus Metzler <mocm@metzlerbros.de> and Ralph Metzler <rjkm@metzlerbros.de>

- for their continuing work on the DVB driver

- Michael Holzt <kju@debian.org>

- for his contributions to the dvb-net driver

- Diego Picciani <d.picciani@novacomp.it>

- for CyberLogin for Linux which allows logging onto EON
  (in case you are wondering where CyberLogin is, EON changed its login
  procedure and CyberLogin is no longer used.)

- Martin Schaller <martin@smurf.franken.de>

- for patching the cable card decoder driver

- Klaus Schmidinger <Klaus.Schmidinger@cadsoft.de>

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- Steve Brown <sbrown@cortland.com>

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- for his LIRC infrared handler

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- for the nxt2002 frontend driver

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- for the nxt2004 frontend driver

- Kirk Lapray <kirk.lapray@gmail.com>
- for the or51211 and or51132 frontend drivers, and
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  single nxt200x frontend driver.

(If you think you should be in this list, but you are not, drop a
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1.1741 jetty-http 9.4.8.v20171121

1.1742 curl 7.61.1 r1
1.1742.1 Available under license:

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

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1.1743 jcl-over-slf4j 1.6.6

1.1743.1 Available under license:

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python’s principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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1.1757 systemd 237 3ubuntu10.33

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1.1758 java-nats-streaming 0.5.0

1.1759 selinux 2.8-1+b1

1.1759.1 Available under license:

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

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(If you think you should be in this list, but you are not, drop a
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static inline int license_is_gpl_compatible(const char *license)
{
    return (strcmp(license, "GPL") == 0
            || strcmp(license, "GPL v2") == 0
            || strcmp(license, "GPL and additional rights") == 0
            || strcmp(license, "Dual BSD/GPL") == 0
            || strcmp(license, "Dual MIT/GPL") == 0
            || strcmp(license, "Dual MPL/GPL") == 0);
}
#endif

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QLogic Linux qlcnic NIC Driver

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Video4Linux interface and 2.1.x kernel adaptation

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Radio card (ITT sound processor)

bigfoot <bigfoot@net-way.net>
Ragnar Hojland Espinosa <ragnar@macula.net>
ConferenceTV card

+ many more (please mail me if you are missing in this list and would
  like to be mentioned)
/* nicstar.c v0.22  Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 *
 * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
 * http://www.hypermall.com/
 * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
 *interrupts us (except possibly for removal/insertion of the cable?)
 * 10/4/97 - began heavy inline documentation of the code. Corrected typos
 *and spelling mistakes.
 * 10/5/97 - added code to handle PHY interrupts, disable PHY on
 *loss of link, and correctly re-enable PHY when link is
 *re-established. (put back CFG_PHYIE)
 *
 * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
Linux driver for the IDT77201 NICStar PCI ATM controller.
PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
see init_nicstar() for PHY initialization to change this. This driver
expects the Linux ATM stack to support scatter-gather lists
(skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.

Implementing minimal-copy of received data:
IDT always receives data into a small buffer, then large buffers
as needed. This means that data must always be copied to create
the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
Fix is simple: make large buffers large enough to hold entire
SDU, and leave <small_buffer_data> bytes empty at the start. Then
copy small buffer contents to head of large buffer.
Trick is to avoid fragmenting Linux, due to need for a lot of large
buffers. This is done by 2 things:
1) skb->destructor / skb->atm.recycle_buffer
    combined, allow nicstar_free_rx_skb to be called to
    recycle large data buffers
2) skb_clone of received buffers
See nicstar_free_rx_skb and linearize_buffer for implementation
details.

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M. Welsh, 6 July 1996
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1.1787 libexecinfo 1.1-r1

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

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

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

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

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

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

## Shared object suffix
SO = so
## Non-shared intermediate object suffix
STATIC_O = ao

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

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

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

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

## Bind internal references

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

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

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

## End BSD-specific setup

### 1.1804 jsoup 1.10.1

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Java ClassMate library was originally written by Tatu Saloranta (tatu.saloranta@iki.fi)
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1.1828 wrapper 3.2.3

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1.1830 javax-interceptor-api 1.2

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1.1835 jackson-module-parameter-names
2.9.5

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1.1840 libgcrypt 1.8.4 5

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Thanks, may your castles never deflate!

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<li>Ralf Hauser &lt;ralfhauser&#064;6044:gmx.ch&gt; - patch to exception handling in PublicKeyRing, PEMReader, 1.4 build script, X509 Certificate Factory, CertPathValidatorUtilities, fromAddress null check in SignedMailValidator, ReadOnceInputStream testing utility in MIME tests.</li>

<li>Michal Dvorak &lt;m_dvorak&#064;6044:kb.cz&gt; - getNextUpdate patch for OCSP SingleResp.</li>

<li>Klaus Greve Fiorentini &lt;klaus&#064;6044:cpqd.com.br&gt; - array fix in PGP Public_keyEncSessionPacket.</li>

<li>Olivier Refalo &lt;Olivier_Refalo&#064;6044:fpl.com&gt; - null pointer exception fix for JDK 1.3 CMSGSignedData objects.</li>

<li>Mariusz Bandola &lt;mariusz.bandola&#064;6044:cryptotech.com.pl&gt; - patch to DERGeneralizedTime. Compliance patch for OCSP TBSRequest class. Patch to X509Name for delaing with general objects in sequences.</li>

<li>Brien Oberstein &lt;brien.oberstein&#064;6044:transacttools.net&gt; - patch to S2K algorithm in OpenPGP, initial PGP version 3 secret key support, initial PGP version 3 signature generation, RIPEMD160 addition to PGPUtility.</li>

<li>Ian Haywood &lt;ian&#064;6044:haywood.bpa.nu&gt; - addition of getSignatureType to PGPSignature.</li>

<li>Jonathan Edwards &lt;s34gull&#064;mac.com&gt; - initial support for reading multiple rings from a PGP key file.</li>

<li>Andrew Thornton &lt;andrew&#064;6044:caret.cam.ac.uk&gt; - patch for RSA PUBLIC KEY in PEMReader.</li>

<li>Gregor Leander &lt;gl&#064;6044:bos-bremen.de&gt; - initial parsing of multiple sequence entries in an X.500 Name.</li>

<li>Antoon Bosselaers &lt;Antoon.Bosselaers&#064;6044:esat.kuleuven.ac.be&gt; - help with RipeMD320 implementation.</li>

<li>Peter Sylvester &lt;Peter.Sylvester&#064;6044:edelweb.fr&gt; - improvements to the ASN.1 BasicConstraints object.</li>

<li>Doug &lt;ummmmm&#064;6044:myrealbox.com&gt; - addition of isEncryptionKey method to OpenPGP public keys.</li>
Francois Staes &lt;fstaes@netconsult.be&gt; - improvements to DEBitString, DERGeneralizedTime and initial implementation of DERGeneralString, addition of settable signed object info to CMSDataSignedGenerator, patch to DH key agreement.</li>
<li>W.R. Dittmer &lt;wldittmer@es.vu.nl&gt; - patch to decoding of SignatureCreationTime in BCPG. Patch to PGPSKeyPair to fix null pointer exception.</li>
<li>Perez Paz Luis Alberto &lt;l.aperez@064banxico.mx&gt; - patch to use of BitString in X.500 name.</li>
<li>James Wright &lt;James_Wright@064harte-hanks.com&gt; - patches for dealing with "odd" ArmoredInputStreams.</li>
<li>Jim Ford &lt;jim@064uurford.com&gt; - patch to PGPSecretKey to avoid null pointer exception on encoding secret keys, comments on KeyExpirationTime, getBitStrength for ElGamal keys. Signature creation time patch for newly created v4 signatures.</li>
<li>Michael Hauser &lt;jaeusler@064ponton-consulting.de&gt; - extra aliases for provider.</li>
<li>Sai Pullabhotla &lt;psai@064linoma.com&gt; - fix to PGP compressed data generator to improve compression levels. Performance improvements for KeyBasedLargeFileProcessor.</li>
<li>Joseph Miller &lt;joseph@064digiwet.net.nz&gt; - addition of ZeroBytePadding.</li>
<li>Lars &lt;xyz@064sagemdenmark.dk&gt; - patch to explicit padded mode for CBC block cipher MAC.</li>
<li>Jeroen van Vianen &lt;jeroen@064vanvianen.nl&gt; - the Signed and Encrypted mail example.</li>
<li>Jun Sun &lt;JSun@064diversinet.com&gt; - patch to SecureRandom to work around problem in wtk 1.0.4 and wtk 2.1.</li>
<li>Petr Dukem &lt;pdudem@064email.cz&gt; - patch to CMSDataSignedGenerator to allow it to work with PKCS11 providers.</li>
<li>Filipe Silva &lt;filipe.silva@064weodoconsulting.com&gt; - patch to fix overread issue in BCPGInputStream.</li>
<li>Alpesh Parmar &lt;alps@064linuxmail.org&gt; - patch for class cast problem in PGPPublicKey.getSignatures().</li>
<li>Jay Gengelbach &lt;jgengelbach@064webmethods.com&gt; - patch to fix isSigningKey in PGPSecretKey class, patch to hashedPackets in PGP signatureGenerator, initial cut for indefinite length output.</li>
<li>Doug &lt;doug@064tigerprivacy.com&gt; - public key ring patches for ElGamal Signatures, problem key ring data.</li>
<li>Matthew Mundy &lt;mmundy@064umbc.edu&gt; - infinite loop prevention patch to PKCS5S2ParametersGenerator.</li>
<li>Tom Cargill &lt;cargill@064profcon.com&gt; - spelling patch in provider.</li>
<li>Christian Breitenstrom &lt;c.breitenstrom@064t-systems.com&gt; - compatibility patch to CertificatePacket, DetachedSignaturePacket.</li>
<li>Zanotti Mirko &lt;zanotti@064cad.it&gt; - patch to ordered equality test for X509Name.</li>
<li>Nicola Scendon &lt;ncscendon@064babelpsi.it&gt; - patch to add sorting to CertPath validation.</li>
<li>Ville Skytt&amp;uuml; &lt;ville.skytt@064iki.fi&gt; - patch to CRLDistPoint for cRLIssuer field. KeyStore compliance on add patches. DiffieHellman patch for provider compliance. Support for PEM object "TRUSTED CERTIFICATE". Exception handling patch in PEMReader. JavaDoc clean up.</li>
<li>Bruce Gordon &lt;bruce.gordon@064savvis.net&gt; - patch to secret key creation encoding NullPointerException in OpenPGP, speed up for BCPGInputStream.</li>
<li>Miles Whiteley &lt;miles.whiteley@064savvis.net&gt; - "223" fix for BCPGInputStream new packets.</li>
<li>Albert Moliner &lt;amoliner@064evintia.com&gt; - initial TSP implementation.</li>
<li>Carlos Lozano &lt;carlos@064evintia.com&gt; - initial TSP implementation, patch to SignerInformation for supporting repeated signers, initial updates for supporting repeated attributes in CMS.</li>
<li>Javier Delgadillo &lt;javi@064jav.codewarp.org&gt; - initial Mozilla PublicKeyAndChallenge classes.</li>
<li>Joni Hahkala &lt;joni.hahkala@064cern.ch&gt; - initial implementations of VOMS Attribute Certificate Validation, IetfAttrSyntax, and ObjectDigestInfo. We also wish to thank the &lt;a href="http://www.eu-
The EGEE project\(<a href="http://egee.org">egee.org</a>\) for making the work available.

- Rolf Schillinger\(<&lt;rolf@#064sir-wum.de</a>&gt;\) - initial implementation of Attribute Certificate generation.
- Sergey Bahtin \(<&lt;Sergey_Bahtin@#064yahoo.com</a>&gt;\) - fix for recovering certificate aliases in BKS and UBER key stores. Initial implementations of GOST-28147, GOST-3410, EC GOST-3410, GOST OFB mode (GOFB) and GOST-3411.
- Franck Leroy \(<&lt;Franck.Leroy@#064keynectis.com</a>&gt;\) - ANS.1 set sorting. Contributions to TSP implementation. Test vectors for Bleichenbacher's forgery attack.
- Atsuhiko Yamanaka \(<&lt;yannk@#064jcraft.com</a>&gt;\) - patch for improving use of Montgomery numbers in BigInteger library. Patch to use size of private exponent in DH parameters.
- Nickolay Bolshackov \(<&lt;tyrex@#064reksoft.ru</a>&gt;\) - patch for class cast exception in AuthorityInformationAccess class.
- Soren Hilmer \(<&lt;soren.hilmer@#064tietoenator.com</a>&gt;\) - patches for CertID with issuerSerial set in TSP implementation, additional compliance testing.
- Steve Mitchell \(<&lt;mitchell@#064intertrust.com</a>&gt;\) - patch for stateful path validator fix. Patch to allow BigInteger class to create negative numbers from byte arrays. Additions to allow different providers to be used for asymmetric/symmetric encryption in OpenPGP.
- Dirk Eisner \(<&lt;D.Eisner@#064seeburger.de</a>&gt;\) - initial implementation of ISO 78164-4 padding.
- Julien Pasquier \(<&lt;julienpasquier@#064free.fr</a>&gt;\) - initial implementation of attribute classes from RFC 3126. Fix to KEKIdentifier, OtherKeyAttribute parsing. Initial ContentHints class.
- Matteo \(<&lt;matartuso@#064libero.it</a>&gt;\) - sequence patch to ASN1Dump.
- Andrew Paterson \(<&lt;andrew.paterson@#064burnsec.com</a>&gt;\) - patches to PGP tools, isRevoked method on PGPPublicKey.
- Vladimir Molotkov \(<&lt;vladimir.n.molotkov@#064intel.com</a>&gt;\) - extensive provider exception handling compliance testing.
- Florin Kollan \(<&lt;adlocflo@#064web.de</a>&gt;\) - fix to ElGamalKeyParameters equality testing.
- Pavel Vassiliev \(<&lt;paulvav@#064gmail.com</a>&gt;\) - Initial GOST28147Mac implementation.
- Tom Pesman \(<&lt;tom@#064mux.net</a>&gt;\) - addition of DES-EDE encryption for RSAPrivate keys to PEMWriter.
- Lukasz Kowalczyk \(<&lt;lukasz.b.kowalczyk@#064gmail.com</a>&gt;\) - patch to fix parsing issue with OpenSSL PEM based certificate requests.
- Arndt Hasch \(<&lt;Arndt.Hasch@#064maxence.de</a>&gt;\) - additional fix for partial reading with new style PGP packets.
- Fix Bernd (KCDP 11) \(<&lt;bernd.fix@#064credit-suisse.com</a>&gt;\) - fix for 31 byte issue and exception throwing by Whirlpool.
- David M. Lee \(<&lt;dmlee@#064Crossroads.com</a>&gt;\) - code for add and remove secret key in the PGPSecretKeyRing class. Additions to S/MIME and CMS unit tests.
- Mike Dillon \(<&lt;md5@#064embody.org</a>&gt;\) - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.
- tu-vi cung \(<&lt;2cung@#064hotmail.com</a>&gt;\) - patch for out of bounds problem in getDecoderStream method.
- Chris Schultz \(<&lt;cschultz@#064gmail.com</a>&gt;\) - fix for InputStream constructor for X509V2AttributeCertificate.
- David M. Lee \(<&lt;dmlee@#064Crossroads.com</a>&gt;\) - implementation assistance with streaming CMS classes.
- Joel Rees \(<&lt;rees@#064ddcom.co.jp</a>&gt;\) - fix to correct getOID methods from returning same set on X.509 attribute certificates.
Francesc Sau &lt;francesc.sau@#064partners.netfocus.es&gt; - micro fix for tsp Accuracy class.

Larry Bugbee &lt;bugbee@#064mac.com&gt; - initial ECNR implementation.

Remi Blancher &lt;Remi.Blancher@#064keynectis.com&gt; - Contributions to TSP implementation. Initial implementation of RFC 3739 and ICAO ASN.1 classes.

Brian O'Rourke &lt;brianorourke@#064gmail.com&gt; - patch for signature creation time override in OpenPGP.

Andreas Schwier &lt;andreas.schwier@#064cardcontact.de&gt; - initial implementation of ISO9797 MAC Algorithm 3, addition of DES-DEDE 64 MAC to the provider, fix to EC point encoding, addition of EC and RSA-PSS OIDs to CMS, addition of AES-CMAC and DESeDe-CMAC to JCE provider.

David Josse &lt;david.josse@#064transacttools.net&gt; - Patch for trailer function in version 2 signature packets.

Kishimoto Kazuhiko &lt;kazu-k@#064hi-ho.ne.jp&gt; - RFC 3280 updates to policy processing in the CertPath validator. Additional test data not covered by NIST.

Lawrence Tan &lt;lwrmctan@#064gmail.com&gt; - Large field OID sample test data. Missing key types in JDKKeyFactory.

Carlos Valiente &lt;superdupont@#064gmail.com&gt; - Addition of CRL writing to the PEMWriter class.

Keyon AG, Martin Christinat, &lt;a href="http://www.keyon.ch">http://www.keyon.ch</a&gt; - fixing incorrect ASN.1 encoding of field elements in X9FieldElement class.

Olaf Keller, &lt;olaf.keller.bc@#064bluewin.ch&gt; - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.

J&ouml;rg Eichhorn &lt;eichhorn@#064ponton-consulting.de&gt; - patch to fix EOF read on SharedFileInputStream, support for F2m compression.

Karsten Ohme &lt;widerstand@#064t-online.de&gt; - initial check against for out of range data on non byte aligned RSA keys. Addition of equals/hashCode on ECCurve.Fp. Additional curve type support for Fp, contributions to F2m compression. F2m decoding for ECPointUtil. Infinity fix and prime192v2 fix for Fp. Extra validation for RSA key creation. Fix to name types for some OpenSSL key generators. RFC-1779 table, improved RFC 2253 compliance for X509Name. Additional constructor validation for X.509/ESS ASN.1 classes. Validation for Printable, IA5, and Numeric Strings. Fix for RFC 5280 NameConstraint checking for RDNs. Support for surrogate pairs in DERUTF8String, DER UTF8 test. Additional X.509 name attributes for ISIS-MTT, RFC 3039, addition of indirect CRL support, initial X509 LDAP CertStore implementation, CertificatePair class, and X509CertificatePair class. Contributions to X509Store/Parser infrastructure and design. CertPath support for implicitDSA parameters and a range of NameConstraints. Addition of support for V1 attribute certificates and attribute certificate path validation. Initial classes for ASN.1 ISIS-MTT support. Enhancements for improving compliance with the NIST CertPath tests.

Carlos Lozano Ruiz &lt;carlos@#064tradise.com&gt; - patch for &amp;lt;ctl&amp;gt;&amp;lt;m&amp;gt; only handling in CRLFOutputStream.

John Alfred Prufrock &lt;j.a.prufrock@#064gmail.com&gt; - mods to GOST-3411 and MD2 to support ExtendedDigest.

Stefan Neusatz Guilhen &lt;stneusatz@#064gmail.com&gt; - initial version of RoleSyntax, improvements to AttributeCertificateHolder and AttributeCertificateIssuer.

Marzio Lo Giudice &lt;marzio.logiudice@#064gmail.com&gt; - fix to endianess in KDF2BytesGenerator, additional KDF2 tests.

Georg Lippold &lt;georg.lippold@#064gm.de&gt; - initial implementation of NaccacheStern cipher.

Chris Viles &lt;chris_viles@#064yahoo.com&gt; - fix to SignatureSubpacket critical bit setting.

Pasi Eronen &lt;pasi.eronen@#064nokia.com&gt; - extra toString() support for ASN.1 library. Initial patch for large OID components.

Maria Ivanova &lt;maria.ivanova#064gmail.com&gt; - support for tags > 30 in ASN.1 parsing.

Armin H&auml;berling &lt;arminha#064student.ethz.ch&gt; - first cut of internationalisation, initial PKIX validation classes.

Marius Schilder &lt;mschilder#064google.com&gt; - main set of test vectors for Bleichenbacher's forgery attack.

Xavier Le Vouch &lt;xavier#064brittanysoftware.com&gt; - general code clean ups.

Erik Tews &lt;e_tews#064dcdc.informatik.tu-darmstadt.de&gt; - initial threaded random seed generator, constant-time PKCS#1.5 decoding.

Thomas Dixon &lt;reikomusha#064gmail.com&gt; - initial implementations of TEA/XTEA, Salsa20, ISAAC, and Noekeon. XTEA enhancements.

Frank Cornelis &lt;info#064frankcornelis.be&gt; - addition of crlAccessMethod in X509ObjectIdentifiers.

Rui Joaquim &lt;rjoaquim#064cc.isel.ipl.pt&gt; - initial implementation of RSA blinding for signatures.

David Stacey &lt;DStacey#064allantgroup.com&gt; - addition of trust packet checking on revocation signatures in PGPSecretKeyRing.

Martijn Brinkers &lt;list#064mimt.nl&gt; - better exception handling in CMS enveloping, "just in time" modifications for CRL and Sequence evaluation.

Julius Davies &lt;juliusdavies#064gmail.com&gt; - additional modes and algorithm support in PEMReader.

Matthias &lt;g#064rtner.de&gt; - GnuPG compatibility changes for PBESerialProcessor.

Olga K&auml;ambilheimer &lt;olga.caether#064hp-consulting.com&gt; - initial implementation of TeleTrust EC curves, additional ISO 9797 MACs, contributions to EAC OIDs, addition of EAC algorithms to CMS Signing.

Germano Rizzo &lt;germano.rizzo#064gmail.com&gt; - initial implementation of CMAC, EAX, HC-128, and HC-256, optimisations for Salsa20.

Eugene Golushkov &lt;eugene_gff#ukr.net&gt; - mask fix to single byte read in TlsInputStream.

Julien Pasquier &lt;julienpasquier#064free.fr&gt; - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries.

Peter Knopp &lt;pknopp#064mtg.de&gt; - fix for named curve recognition in ECGOST key generation.

Jakub Gwozdz &lt;gwzozdziu#064rpg.pl&gt; - addition of getTsa() to TimeStampTokenInfo.

Bartosz Malkowski &lt;bmalkow#064gmx.ch&gt; - initial implementation of VMPC cipher, VMPCRRandomGenerator, VMPCMac.

Tal Yacobi &lt;tal.yacobi#octavian-tech.com&gt; - fix for issue in OpenPGP examples [#BJA-55].
- support for counter signature reading in CMS API, update for multiple counter signature attributes, JCA compliance patch for PEM parsing in CertificateFactory.

- patch to constructor for CRMF CertSequence.

- identified a bug in ASN.1 library with handling of unterminated NDEF's.

- patch for TLS client to send empty client certs in response to HP_CERTIFICATE_REQUEST.

- identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.

- fix of improper handling of null in ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in TimeStampResponse.validate().

- fix to default partial packet generation in BCOPOutputStream.


- backport for PKIXCertPathValidator and SMIMESignedMailReviewer.

- speedups for OpenPGPCFB mode, clean room JCE patches.

- speed ups for Camellia implementation, CamelliaLightEngine.

- initial implementation of Grain-v1 and Grain-128.

- initial implementation of Grain-v1 and Grain-128.

- error message fix to DESKeyGenerator, code simplification for OAEPEncoding.

- verbose mode for ASN1Dump, support for DERExternal, DNS performance fix for SMIME API.

- initial SRP-6a implementation.

- patch to encoding for CRMF OptionalValidity.

- patch for recognising multiple counter signatures.

- CMPCertificate constructor from X509CertificateStructure fix.

- fix to sign extension key and IV problem in HC-128, HC-256.
<li>Andreas Antener &lt;antener_a&#064gmx.ch&gt; fix to buffer reset in AsymmetricBufferedBlockCipher.</li>
<li>Harendra Rawat &lt;hsrawat&#064yahoo.com&gt; fix for BERConstructedOctetString.</li>
<li>Rolf Lindemann &lt;lindemann&#064trustcenter.de&gt; patch for PKCS12 key store to support more flexible attribute specifications [#BMA-42].</li>
<li>Alex Artamanov &lt;alexart.home&#064#064gmail.com&gt; name look up patch for GOST-2001 parameters.</li>
<li>Mike Lyons &lt;mlyons&#064layer7online.com&gt; work arounds for EC JDK bug 6738532 and JSSE EC naming conventions.</li>
<li>Chris Cole &lt;chris_h_cole&#064yahoo.com&gt; identified a problem handling null passwords when loading a BKS keystore.</li>
<li>Tomas Krivanek &lt;tom&#064atack.cz&gt; added checking of Sender header to SignedMailValidator.</li>
<li>Michael &lt;emfauf&#064#064t-online.de&gt; correction of field error in getResponse method in CertRepMessage.</li>
<li>Trevor Perrin &lt;trevor&#064cryptography.com&gt; addition of constant time equals to avoid possible timing attacks.</li>
<li>Markus Kilarings &lt;markus&#064primekey.se&gt; several enhancements to TimeStampResponseGenerator.</li>
<li>Dario Novakovic &lt;daronis&#064yahoo.com&gt; fix for NPE when checking revocation reason on CRL without extensions.</li>
<li>Michael Smith &lt;msmith&#064#064cnn.com&gt; bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.</li>
<li>Andrea Zilio &lt;andrea.zilio&#064gmail.com&gt; fix for PEM password encryption of private keys.</li>
<li>Alex Birkett &lt;alex&#064birkett.co.uk&gt; added support for EC cipher suites in TLS client (RFC 4492) [#BJA-291].</li>
<li>Wayne Grant &lt;waynegrant&#064gmail.com&gt; additional OIDs for PKCS10 and certificate generation support.</li>
<li>Frank Cornelis &lt;info&#064#064frankcornelis.be&gt; additional support classes for CAdES, enhancements to OCSP classes.</li>
<li>Jan Dittberner &lt;jan&#064dittberner.info&gt; addHeader patch for SMIME generator.</li>
<li>Bob McGowan &lt;boab.mcgoo&#064#064btinternet.com&gt; patch to support different object and mgf digests in PSS signing.</li>
<li>Ivo Matheis &lt;ivo.matheis&#064seeburger.de&gt; fix to padding verification in ISO-9796-1.</li>
<li>Marco Sandrini &lt;nessche&#064gmail.com&gt; patch to add IV to ISO9797Alg3Mac.</li>
<li>Alf Malf &lt;alfilmalf&#064#064hotmail.com&gt; removal of unnecessary limit in CMSContentInfoParser.</li>
<li>Alfonso Massa &lt;alfonso_massa&#064#064insiel.it&gt; contributions to CMS time stamp classes.</li>
<li>Giacomo Boccardo &lt;gboccardo&#064unimaticaspa.it&gt; initial work on CMSTimeStampedDataParser.</li>
<li>Arnis Tartu &lt;arnis&#064#064ut.ee&gt; patches for dealing with OIDs with specific key sizes associated in CMS.</li>
<li>Janusz Sikociski &lt;Janusz.Sikociski&#064pl&gt; addition of Features subpacket support to OpenPGP API.</li>
<li>Juri Hudolej &lt;jhudolejev&#064gmail.com&gt; JavaDoc fix to CMSSignedDataParser.</li>
<li>Liane Velten &lt;livan.velten&#064#064j consultancy.com&gt; fine tuning of code for DHParameters validation.</li>
<li>Shawn Willden &lt;swillden&#064#064google.com&gt; additional functionality to PGPKeyRing.</li>
<li>Atanas Krachev &lt;akrachev&#064gmail.com&gt; added support for revocation signatures in OpenPGP.</li>
<li>Mickael Laicking &lt;mickael.laicking&#064#064keynectis.com&gt; initial cut of EAC classes.</li>
<li>Tim Buktu &lt;tbuktu&#064#064hotmail.com&gt; Initial implementation of NTRU signing and encryption.</li>
<li>Bernd &lt;bernd&#064#064gmail.com&gt; Fix for open of PGP literal data stream with UTF-8 naming.
<li>Steing Inge Morisbak &lt;stein.inge.morisbak@BEKK.no&gt;: Test code for lower case Hex data in PEM headers.</li>
<li>Andreas Schmid &lt;andreas.schmid@064tngtech.com&gt;: Additional expiry time check in PGPPublicKeys.</li>
<li>Phil Steitz &lt;phil.steitz@064gmail.com&gt;: Final patch eliminating JCE dependencies in the OpenPGP BC classes.</li>
<li>Ignat Korchagin &lt;ignat.korchagin@064gmail.com&gt;: Initial implementation of DSTU-4145-2002, long hash fix for DSTU-4145-2002.</li>
<li>Petar Petrov &lt;p.petrov@064bers-soft.com&gt;: Testing and debugging of UTF-8 OpenPGP passwords.</li>
<li>Daniel Fitzpatrick &lt;daniel.f.wnr@064gmail.com&gt;: Initial implementation of ephemeral key support for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.</li>
<li>Andy Neilson &lt;Andy.Neilson@quest.com&gt;: a further patches to deal with multiple providers and PEMReader.</li>
<li>Ted Shaw &lt;xiao.xj@064gmail.com.com&gt;: patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.</li>
<li>Elseriset &lt;Elseriset@064WPECGLtYbV18Rf6YTV3Lvd2EUVW99v3yNV3IWOc8.fms&gt;: speed up for SIC/CTR mode. Provider compatibility generalisations for EC operations.</li>
<li>Kenny Root &lt;kenny@064the-b.org&gt;: patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getIV() patch for AEAD.</li>
<li>Maarten Bodewes &lt;maarten.bodewes@064gmail.com&gt;: initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.</li>
<li>Philip Clay &lt;pilf_b@064yahoocom.com&gt;: Initial implementation of J-PAKE.</li>
<li>Brian Carlstrom &lt;bdc@064carlstrom.com&gt;: compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, initial provider PBKDF2WithHmacSHA1 SecretKeyFactory.</li>
<li>Samuel Lid&eacute;n Borell &lt;samuel@064primekey.se&gt;: patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder.</li>
<li>Sergio Demian Lerner &lt;sergiolerner@064certimix.com&gt;: pointing out isInfinity issue in ECDSASigner signature verification.</li>
<li>Tim Whittington &lt;Tim.Whittington@064orionhealth.com&gt;: patch to remove extra init call in CMac, additional of Memoable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSals20, ChaCha, reduced round Salsa20, Threefish, and the Poly1305 MAC. Documentation updates. Added OCB support to Noekeon and CAST6 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInput/OutputStream implementations for use with AAD and subsequent bug fixes, cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSDCrypt, PGP API documentation and code quality work.</li>
<li>Marcus Lundblad &lt;marcus.lundblad@064primekey.se&gt;: patch for working around JDK jarsigner TSP bug, optional setting of IssuerSerial in TimeStampTokenGenerator, additional extensions enhancement for time stamp token generation.</li>
<li>Andrey Zhozhin &lt;zhozhin@064xm.ru.ru&gt;: patch for override of TSP SignerInfo attributes.</li>
<li>Sergey Tiunov &lt;55555d@064gmail.com.com&gt;: initial cut of DVCS classes.</li>
<li>Damian Kolasa &lt;fatfredyy@064gmail.com.com&gt;: ASN1Sequence patch for class cast issue in X9Curve.</li>
<li>Ash Hughes &lt;ashley.hughes@064blueyonder.co.uk&gt;: patches for supporting PGPSecretKeyRing/PGPSecretKeys encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().
Daniel Hirscher &lt;dev@064daniel-hirscher.de&gt; patch to support parsing of explicit EC parameters in PEM files.

Daniele Ricci &lt;daniele.athome@064gmail.com&gt; initial implementation of EC keys for OpenPGP and RFC6637 support.

Matti Aarnio &lt;matti.aarnio@064mtechs.fi&gt; tweaks to any build to remove dependence on shell scripts. Initial SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes, addition of NONEmithRSA to lightweight RSADigestSigner.

[snip]

Eric M &uuml;ller &lt;eric.mueller@064sage.de&gt; additional standard algorithm name lookups in JcaPEMKeyConverter.

Mathias Herberts &lt;Mathias.Herberts@064gmail.com&gt; fix to inOff usage in RFC3394WrapEngine.

Daniil Ivanov &lt;daniil.ivanov@064gmail.com&gt; addition of provider support for GOST HMAC SecretKeyFactory.

Daniele Grasso &lt;daniele.grasso86@064gmail.com&gt; contributions to final Key calculation code for SRP6.

Andrey Utkin &lt;cindrhc@064gmail.com&gt; patch to reconstruction of ECGOST keys from PrivateKeyInfo objects in provider classes.

Arnis Tartu &lt;arnis@064ut.ee&gt; checker for generated key vs OID in JceCMSContentEncryptorBuilder.

AxelVDB &lt;axel-vdb@riseup.net&gt; initial implementation of Shacal2.

Roberto Tyley &lt;...&gt; further work on completing gradle build.

Waldemar Dick &lt;wdick@064devmue.de&gt; code improvement in x500 ASN.1 package.

Sid Steward &lt;sid.steward@064pdfilabs.com&gt; code improvements to ASN1Boolean.

Alex Klyubin &lt;klyubin@064google.com&gt; AlgorithmParameters check for EC key agreement.

Jonathan Gillett &lt;...&gt; Initial support for block cipher IVs in IESEngine, IES MAC length check bug fix.

Andreas Reiter &lt;andreas.reiter@064aik.tugraz.at&gt; Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.

Kieran Miller &lt;kieran.miller@064gmail.com&gt; initial implementation for RFC 5649 key wrap with padding.

Oliver Ehli &lt;ehli@064arago.de&gt; Additional support for BSI plain ECDSA in the provider.

Daniel Heldt &lt;Daniel.Heldt@064cryptovision.com&gt; Initial support for encodable state message digests.

Robert Bushman &lt;bouncycastle@064traxel.com&gt; Clean up of DirectKeySignature example.

Maurice Aarts &lt;aarts@064insicure.com&gt; updated to KDF generator to follow NIST SP 800-108.

Franziskus Kiefer &lt;https://github.com/franziskuskiefer&gt; initial implementation of Cramer-Shoup.

KB Sriram &lt;mail_kb@yahoo.com&gt; testing for odd encodings for PGP User Attribute Subpackets.

Marco Schulze &lt;marco@064nightlabs.de&gt; Reported verification bug in GenericSigner.

Martin Schaefer &lt;https://github.com/martinschaefer&gt; contributed a code-cleanup patch.

dstutz &lt;https://github.com/dstutz&gt; added iteration count setters to PKCS#12 PBE mac/key generator builders.

Tobias Wich &lt;...&gt; Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.

Hauke Mehrten &lt;hauke@064hauke-m.de&gt; TLS patch to add ECDHE_ECDSA CCM ciphersuites from RFC 7251.

Daniel Zimmerman &lt;dmz@064galois.com&gt; Further key quality improvements to...
RSAKeyPairGenerator.</li>
<li>Jens Kapitza &lt;j.kapitza@schwarze- allianz.de&gt; | Iterable support in OpenPGP API, code cleanup in OpenPGP API.</li>
<li>Johan Eklund &lt;johan@#064primekey.se&gt; | update to RFC 6960 for OCSPObjectIdentifiers.</li>
<li>nikosn &lt;https://github.com/nikosn&gt; | Fix to encoding of EC private keys to ensure encoding matches order length.</li>
<li>Axel von dem Bruch &lt;axel-vdb@#064riseup.net&gt; | Contributions to BCrypt/OpenBSDBCrypt, original version of Blake2bDigest.</li>
<li>Derek Atkins &lt;derek@#064htfp.com&gt; | Documentation fixes to X9ObjectIdentifiers.</li>
<li>Peter Jr Halicky &lt;peto@#064halicky.sk&gt; | Correction to notification/error message handling in SignedMailValidator.</li>
<li>lartiguePierre &lt;https://github.com/lartiguePierre&gt; | Fix for counter signature SID in CMSSignedData.</li>
<li>Thomas Belot &lt;thomas.belot+BC@#064gmail.com&gt; | initial CertPathLoopTest for demonstrating stack overflow issue.</li>
<li>Rich DiCroce &lt;https://github.com/rdicroce&gt; | Initial implementation of server-side TLS-SRP support. TLS API extension to support non-blocking usage.</li>
<li>Bj@&ouml;rn Kautfer &lt;https://github.com/Vampire&gt; | Refinements to cert path validation (authority key addition, certificate order preservation).</li>
<li>Domnik Sch@uuml;rmann &lt;https://github.com/dschuermann&gt; | method for returning signatures/verifications without user IDs on PGPPublicKey, method for exposing S2K in PGPSecretKey, constants for GNU protection modes in S2K classes, optional version header for armored output.</li>
<li>Michael &lt;MSKnete@#064web.de&gt; | initial fix for bitStrength issue for OpenPGP EC keys, correction for generic type on RecipientInformationStore.</li>
<li>Tobias Wagner &lt;tobias.wagner@#064n-design.de&gt; | Fix SecureRandom handling in BcAsymmetricKeyWrapper [#BJA-536].</li>
<li>Sergio Giro &lt;sgiro@google.com&gt; | Fixed adding of additional stores from CRL distribution point [#BJA-537]. Fixed missing null check for CRL certificate issuer [#BJA-538], removal of risky zeroisation code in PBE.java, check for salt in PBEKeys that require it.</li>
<li>bschuette &lt;https://github.com/bschuette&gt; | Fixed typo in DefaultSignatureAlgorithmIdentifierFinder, additional methods on CMSSignedDataParser.</li>
<li>Leonard Dallot &lt;https://github.com/dallotTazTag&gt; | Fix to S2K usage of none on changing passwords on keys without passwords originally.</li>
<li>Jan Willem Janssen &lt;j.w.janssen+bouncycastle@#064lxtrreme.nl&gt; | Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial object signer verifier for BC lightweight EC.</li>
<li>Sebastian Oerding &lt;sebastian.oerding@robotron.de&gt; | Fixes to toString() in x509.CertificatePolicies.</li>
<li>Kai Kramer &lt;kai.kramer@#064gmail.com&gt; | Code to deal with orphaned chain certificates in the PKCS#12 KeyStore.</li>
<li>Benoit Charles &lt;benoit.charles@opentrust.com&gt; | Fix for IES data length check on decryption.</li>
<li>Niko &lt;nfink95@#064gmail.com&gt; | fix to cast issue in getOutputSize() for ECIES.</li>
<li>akwizgran &lt;https://github.com/akwizgran&gt; | Fixed clone of key in Blake2bDigest copy constructor, blake2b reset issue for variant keys.</li>
<li>Matthias Edelhoff &lt;Matthias.Edelhoff@#064cryptovision.com&gt; | BasicConstraintsValidation pathlen fix in PKIX certpath classes.</li>
<li>Lukasz Deputat &lt;lukasz.deputat@#064gmail.com&gt; | Fixed bugs in TlsUtils read methods [#BJA-592].</li>
<li>Justin Ludwig &lt;https://github.com/justinludwig&gt; | Iterator fix for PGPObjectFactory to handle stream packets at start of iterated data.</li>
<li>Andr&ecute; Berenguel &lt;https://github.com/aberenguel&gt; | Fix to include ECNamedCurveSpec in EC AlgorithmParameterSpi.
Slawomir Jaranowski &lt;https://github.com/slawekjaranowski&gt;: Patch to make cipher/hash/signature name methods in PGP internal API public.

Andrey Vasilyev &lt;https://github.com/andrey-vasilyev&gt;: Initial implementation of GOST R 34.11-2012.

William Glanton &lt;wglanton77@064gmail.com&gt;: Fixed bug in Poly1305 [#BJA-620].

jdvorak001 &lt;https://github.com/jdvorak001&gt;: Speed improvements for ASN.1 ObjectIdentifier cache.

Joseph Naegele &lt;jnaegele@grierforensics.com&gt;: Patch for handling multiple certificates in a DANE SMIMEA entry.


The Google Security Team (Project Wycheproof) &lt;https://github.com/google/wycheproof&gt;: defect analysis and additional test cases for the provider.

Gorka Irazoqui &lt;girazoki@064wpi.edu&gt;: from Intel Security Center of Excellence &lt;https://security-center.intel.com/&gt;: detection of the issue with AESFastEngine (CVE-2016-1000339), additional suggestions for improvement to hardening of AESEngine and finding cache sensitivities in EC key generation/signing.

Joerg Senekowitsch &lt;joerg.senekowitsch@064veridos.com&gt;: patch to deal with hard coded boolean in EAC ECDSAPublicKey.

Alexandr Krivoshta &lt;wipe@064ya.ru&gt;: N4 calculation fix to GOFB mode.

Artem Storozhuk &lt;storoj72@064gmail.com&gt;: N4 calculation fix to GOFB mode.

Na Yu &lt;na.yu@064samsung.com&gt;: Constructor patches to CMC PKIData.

Evangelos Karatsiolis &lt;ekaratsiolis@064mtg.de&gt;: Corrected use of explicit tagging in X.509 PolicyConstraints class.

VivleSoren &lt;https://github.com/VivleSoren&gt;: additional constructor for McElieceCCA2PrivateKeyParameters.


Sebastian Wolfgang Roland &lt;sebastianwolfgang.roland@064stud.tu-darmstadt.de&gt;: Initial XMSS/XMSS-MT implementation.


Mike Safonov &lt;https://github.com/MikeSafonov&gt;: initial implementation of GOST3410-2012 for light weight provider and JCA, parameters patches for ECGOST keys, initial implementation of GOST3412-2015, addition of fromExtensions() for CRLDistPoint.

Artem Storozhuk &lt;storoj72@064gmail.com&gt;: initial implementation of DSTU7564 (digest) and DSTU7624 (cipher) and their associated modes.

Andreas Glaser &lt;andreas.glasner@064gi-de.com&gt;: patch to recognise ANSSI curves for PKCS#10 requests.

codeborne &lt;https://github.com/cbxp&gt;: patch to correct OIDs used in public key digest parameters for ECGOST-2012.

FauxFaux &lt;https://github.com/FauxFaux&gt;: patch for JDK 1.9 update to DRBG.java.

4garbage &lt;https://github.com/4garbage&gt;: patch to allow GOST3410-94 private keys encoded as integers.

ekszz &lt;https://github.com/ekszz&gt;: corrections to SM2 signer to include default identity value.

jminer &lt;https://github.com/jminer&gt;: fix to Blake2b for hashes in range of 2**64-127 to 2**64.

str4d &lt;https://github.com/str4d&gt;: initial implementation of Blake2s.

Scott Woodward &lt;scott@064bit3consulting.com&gt;: performance fixes for CTRSP800DRBG.

David Strawn &lt;https://github.com/isomarcte&gt;: fix for off by one error in SCRYPNT bounds checking.

chrismccown &lt;0xchrismccown@064gmail.com&gt;: identification of serialisation issue with XMSS/XMSS-MT private keys (see also CVE-2018-1000613).
<li>ZZMarquis &lt;https://github.com/ZZMarquis&gt; offset patches for SM2 encryption and decryption, improvement to Array constant time comparison.</li>
<li>Andreas Kretschmer &lt;https://github.com/Akretsch&gt; NPE fix for CertTemplate.getVersion().</li>
<li>Armin Lunkeit, Michael Tautenhahn &lt;&gt; identification of M-R test issue on higher certainty values in RSA key pair generation.</li>
<li>Vincent Breitmoser &lt;https://github.com/Valodim&gt; fix to ignore unnecessary checksum calculator on PGP secret key encryption.</li>
<li>Adam Vartanian &lt;https://github.com/flooey&gt; use of ShortBuffer exception and buffer size pre-check in Cipher.doFinal().</li>
<li>Bernd &lt;https://github.com/ecki&gt; Fix to make PGPUtil.pipeFileContents use buffer and not leak file handle.</li>
<li>Shartung &lt;https://github.com/shartung&gt; Additional EC Key Agreement algorithms in support of German BSI TR-03111.</li>
<li>Paul Schaub &lt;https://github.com/vanitasvitae&gt; bringing PGPSecretKey.getUserIds() into line with PGPPublicKey.getUserIds(). Exception message fix in BcPublicKeyDataDecryptorFactory. Additional tests on PGP key ring generation.</li>
<li>Nick of Nexxar &lt;https://github.com/nros&gt; update to OpenPGP package to handle a broader range of EC curves.</li>
<li>catbref &lt;https://github.com/catbref&gt; sample implementation of RFC 7748/Ed25519 (incorporated work from github users Valodim and str4d as well).</li>
<li>gerlion &lt;https://github.com/gerlion&gt; detection of concurrency issue with pre-1.60 EC math library.</li>
<li>fgrieu &lt;fgrieu#064gmail.com&gt; identification and suggested fixes for possible timing vulnerability in OAEPEncoding and RSACoreEngine.</li>
<li>MTG &lt;https://github.com/mtgag&gt; patch for decoding issues in PKIPublicationInfo and CertfiedKeyPair.</li>
<li>Andreas Gadermaier &lt;up.gadermaier#064gmail.com&gt; initial version of Argon2 PBKDF algorithm.</li>
<li>Tony Washer &lt;tony.washer@yahoo.co.uk&gt; review of qTesla, Java 1.9 module code, additional test code and debugging for GOST, DSTU, and ECNR algorithms. Initial lightweight implementation of the ZUC ciphers and macs.</li>
<li>Vincent Bouckaert &lt;https://github.com/veebee&gt; initial version of RFC 4998 ASN.1 classes.</li>
<li>Tony Washer &lt;https://github.com/tonywasher&gt; ECIESKeyEncapsulation fix for use of OldCofactor mode. Submitted ChaCha20Poly1305 prototype.</li>
<li>Aurimas Liutikas &lt;https://github.com/liutikas&gt; JavaDoc patches to ReasonsMask.</li>
<li>Gabriel Sroka &lt;https://github.com/gabrielsroka&gt; corrected comments in RSA validation.</li>
<li>sarah-mdv &lt;https://github.com/sarah-mdv&gt; improvements to JceKeyTransRecipientInfoGenerator, tests for JournalingSecureRandom, initial implementation of JournaledAlgorithm.</li>
<li>Jesse Feinman &lt;https://github.com/jessefeinman&gt; performance optimisation in RSAKeyParameters.</li>
<li>Gilis95 &lt;https://github.com/Gilis95&gt; improved JSSE compatibility for setEnabledCipherSuites.</li>
<li>Haemin Yoo &lt;https://github.com/youhaemin&gt; JavaDoc fixes.</li>
<li>Antoine Toulme &lt;https://github.com/atoulme&gt; Initial implementation of EthereumISeEngine.</li>
<li>Golden Looly &lt;https://github.com/looly&gt; Patch for addition of C1C3C2 mode to SM2Engine.</li>
<li>Moses Palm&eacute;r, TrueSec &lt;Henrik.Palmer#064truesec.se&gt; Additional improvements to constant time comparisons.</li>
<li>Ren&eacute; Korthaus &lt;https://github.com/securitykernel&gt; Update to XMSS/XMSS^MT OID values to bring them in line with RFC 8391.</li>
<li>THausherr &lt;https://github.com/THausherr&gt; Addition generic support for CMS/TSP functions.</li>
<li>Gaylor Bosson &lt;https://github.com/Gilthoniel&gt; Initial implementation of Blake2xs.</li>
<li>gaellalire &lt;https://github.com/gaellalire&gt; Patch for unprotected PGP private keys as SExpr.
<li>Nick hitchan &lt;https://github.com/hitchan&gt; Fix for typo in engineInitSign() in EdEc SignatureSpi.</li>
<li>dbusche &lt;https://github.com/dbusche&gt; Argon2 optimisations.</li>
<li>Daniel Heldt &lt;https://github.com/dheldt&gt; Fixing encodings in unicode tests to allow a wider range of Java compilers to work. Tweak to inheritance in JceKeyAgreeRecipient.</li>
<li>Ugochukwu Mmaduekwe &lt;https://github.com/Xor-el&gt; Fix for initially bugged legacy Integers.numberOfLeadingZeros method.</li>
<li>Gsealy &lt;https://github.com/Gsealy&gt; Addition of PBKDF2withHmacSM3 to the provider.</li>
<li>aphuang2013 &lt;https://github.com/aphuang2013&gt; Update to path validation in EST service for ClearPath EST.</li>
<li>Kevin Herron &lt;https://github.com/kevinherron&gt; Initial ChaCha20Poly1305 prototype.</li>
<li>vkreml &lt;https://github.com/svkreml&gt; GOST compliance change for DefaultCMSSignatureEncryptionAlgorithmFinder.</li>
<li>Tobias Ospelt &lt;tobias&#064;pentagrid.ch&gt; Identification of 1.63 regression in ASN.1 parsing.</li>
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1.1872 jackson-jaxrs-json-provider 2.3.3

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### 1.1873 jboss-marshalling-river 1.4.10

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1.1886 python 2.7.17-1~18.04

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A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cni.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.
All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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4.17.47

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

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QLogic Linux qlcnic NIC Driver

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1.1921 python-defaults 3.6.7 1~18.04

1.1922 eclipse 4.3.100.v20141007 2301

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1.1925 jetty-jaspi 8.1.14.v20131031

1.1926 hibernate-validator 6.0.9

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1.1934 jackson-module-jaxb-annotations 2.3.3
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procfs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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Go support for Protocol Buffers - Google's data interchange format

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1.1958 pygobject 3.26.1 2ubuntu1

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1.1970 checker-qual 2.0.0

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import org.flywaydb.core.api.FlywayException;

/**
 * Thrown when an attempt was made to use a Flyway Pro or Flyway Enterprise Edition feature not supported by
 */
public class FlywayProUpgradeRequiredException extends FlywayException {
    public FlywayProUpgradeRequiredException(String feature) {
        super(Edition.PRO + " or " + Edition.ENTERPRISE + " upgrade required: " + feature
                + " is not supported by " + Edition.COMMUNITY + ",");
    }
}

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public enum Edition {
    COMMUNITY("Community"),
    PRO("Pro"),
    ENTERPRISE("Enterprise")
}

private final String description;

Edition(String name) {
    this.description = "Flyway " + name + " Edition";
}

public String getDescription() {
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}

@Override
public String toString() {
    return description;
}

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import org.flywaydb.core.api.logging.Log;
import org.flywaydb.core.api.logging.LogFactory;

public class FlywayEditionUpgradeRequiredException extends FlywayException {
    public FlywayEditionUpgradeRequiredException(Edition edition, DatabaseType databaseType, String version) {
        super(edition + " or " + databaseType + " upgrade required: " + databaseType + " " + version
            + " is no longer supported by " + VersionPrinter.EDITION + "," 
            + " but still supported by " + edition + ").
    }
}

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import org.flywaydb.core.api.FlywayException;
import org.flywaydb.core.api.logging.Log;
import org.flywaydb.core.api.logging.LogFactory;
import org.flywaydb.core.internal.util.DateUtils;
import org.flywaydb.core.internal.util.FileCopyUtils;

import java.io.IOException;
import java.nio.charset.StandardCharsets;
import java.util.Date;

/**
 * Prints the Flyway version.
 */
public class VersionPrinter {
    private static final Log LOG = LogFactory.getLog(VersionPrinter.class);
    private static final String version = readVersion();
    private static boolean printed;

    public static final Edition EDITION =

    Edition.COMMUNITY

    ;

    /**
     * Prevents instantiation.
     */
    private VersionPrinter() {
        // Do nothing.
    }

    /**
     * Prints the Flyway version.
     */
    public static void printVersion(

    ) {
        if (printed) {
            return;
        }
printed = true;

printVersionOnly();
private static String readVersion() {
    try {
        return FileCopyUtils.copyToString(
            VersionPrinter.class.getClassLoader().getResourceAsStream("org/flywaydb/core/internal/version.txt"),
            StandardCharsets.UTF_8);
    } catch (IOException e) {
        throw new FlywayException("Unable to read Flyway version: " + e.getMessage(), e);
    }
}

1.1973 jnr-unixsocket 0.18

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* /opt/ws_local/PERMITS_SQL/1014297050_1591897322.69/0/jnr-unixsocket-0-18-sources-jar/jnr/unixsocket/UnixSocketAddress.java
* /opt/ws_local/PERMITS_SQL/1014297050_1591897322.69/0/jnr-unixsocket-0-18-sources-jar/jnr/unixsocket/SockAddrUnix.java

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* /opt/ws_local/PERMITS_SQL/1014297050_1591897322.69/0/jnr-unixsocket-0-18-sources-jar/jnr/unixsocket/BindHandler.java
* /opt/ws_local/PERMITS_SQL/1014297050_1591897322.69/0/jnr-unixsocket-0-18-sources-jar/jnr/unixsocket/UnixSocketOptions.java
* /opt/ws_local/PERMITS_SQL/1014297050_1591897322.69/0/jnr-unixsocket-0-18-sources-jar/jnr/unixsocket/UnixDatagramChannel.java
* /opt/ws_local/PERMITS_SQL/1014297050_1591897322.69/0/jnr-unixsocket-0-18-sources-jar/jnr/enxio/channels/Common.java

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1.1974 spring-boot-starter-json 2.2.5

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@end enumerate

@end iftex
@end ifinfo
@end center
END OF TERMS AND CONDITIONS
@end ifinfo
@end page
@end heading
Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the `copyright` line and a pointer to where the full notice is found.

@example
one line to give the program's name and a brief idea of what it does.
Copyright (C) yyyy name of author

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Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.
@end example

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:
Gnomovision version 69, Copyright (C) @var{year} @var{name of author}
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This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands @samp{show w} and @samp{show c} should show
the appropriate parts of the General Public License. Of course, the
commands you use may be called something other than @samp{show w} and
@samp{show c}; they could even be mouse-clicks or menu items---whatever
suits your program.

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school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

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

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1.1982 yang-model-util 0.8.4

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package org.springframework.jdbc;

import java.sql.SQLException;
import org.springframework.dao.InvalidDataAccessResourceUsageException;

/**
 * Exception thrown when SQL specified is invalid. Such exceptions always have
 * a [code java.sql.SQLException] root cause.
 *
 * <p>It would be possible to have subclasses for no such table, no such column etc.
 * A custom SQLExceptionTranslator could create such more specific exceptions,
 * without affecting code using this class.
 *
 * @author Rod Johnson
 * @see InvalidResultSetAccessException
 */
@SuppressWarnings("serial")
public class BadSqlGrammarException extends InvalidDataAccessResourceUsageException {

    private final String sql;

    /**
     *
* Constructor for BadSqlGrammarException.
  * @param task name of current task
  * @param sql the offending SQL statement
  * @param ex the root cause
  */
public BadSqlGrammarException(String task, String sql, SQLException ex) {
  super(task + "; bad SQL grammar [" + sql + "]", ex);
  this.sql = sql;
}

/**
 * Return the wrapped SQLException.
 */
public SQLException getSQLException() {
  return (SQLException) getCause();
}

/**
 * Return the SQL that caused the problem.
 */
public String getSql() {
  return this.sql;
}

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1.1989 jldap 2009-10-07

1.1990 pax-transx-jdbc 0.3.0
1.1990.1 Available under license:
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1.1991 jetcd-common 0.0.2

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1.1992 lua 5.1.5

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1.1993 jackson-dataformat-yaml 2.9.8

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1.1994 libxslt 1.1.33-r1

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1.1996 font-awesome 4.7.0

1.1996.1 Available under license:

<!DOCTYPE html>
<!--[if lt IE 7 ]><html class="ie ie6" lang="en">
<!=[endif]-->
<!--[if IE 7 ]><html class="ie ie6" lang="en">
<!=[endif]-->
<!--[if IE 8 ]><html class="ie ie6" lang="en">
<!=[endif]-->
<!--[if (gte IE 9)|!(IE)]><!-->
<html lang="en" xmlns="http://www.w3.org/1999/html">
<!--[endif]-->
<head>
<!-- Basic Page Needs
================================== -->
<meta charset="utf-8" />
<title>font-awesome: Font Awesome Icons</title>
<meta name="description" content="Font Awesome, the iconic font designed for Bootstrap">
<meta name="author" content="Dave Gandy">
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<!--[if lt IE 9]>
<!=[endif]-->
<!-- CSS
================================== -->
<link rel="stylesheet" href="./assets/css/site.css" />
<link rel="stylesheet" href="./assets/css/pygments.css" />
<link rel="stylesheet" href="./assets/font-awesome/css/font-awesome.css" />
<!--[if IE 7]>
<link rel="stylesheet" href="./assets/font-awesome/css/font-awesome-ie7.css" />
<!=[endif]-->
<!-- Le fav and touch icons -->
<link rel="shortcut icon" href="./assets/ico/favicon.ico" />
<script type="text/javascript" src="/use.typekit.net/wnc7ioh.js"></script>
<script type="text/javascript">try{Typekit.load();}catch(e) { }</script>
After you get up and running, you can place Font Awesome icons just about anywhere with the `<code>&lt;i&gt;</code>` tag:

```html
&lt;i class="icon-legal"&gt;&lt;/i&gt;
```

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 * site.fontawesome.url }} - @{{ site.fontawesome.twitter }}
 *
 * License - {{ site.fontawesome.url }}/license (Font: {{ site.fontawesome.license.font.version }}, CSS: {{
 * site.fontawesome.license.code.version }})
 */

---
layout: base
title: Font Awesome License
navbar_active: license
relative_path: ../
---
%
capture jumbotron_h1 %}<i class="fa fa-gavel" aria-hidden="true">License</i>&nbsp; License
%
capture jumbotron_p %>The full details of how Font Awesome is licensed
%
capture jumbotron.html %]
%
capture stripe-social.html %]
<
div class="container">
%
capture stripe_ad_content %]
<p class="lead">
   Font Awesome is fully open source and is GPL friendly. You can use it for commercial projects, open source
projects, or really just about whatever you want.
</p>
%
capture endcapture %]
%
capture include jumbotron.html %]
%
capture include stripe-ad.html %]
<
<section>
<
div class="alert alert-success">
<
<ul class="fa-ul margin-bottom-none">
<
<li>
<i class="fa-li fa fa-info-circle fa-lg" aria-hidden="true">Attribution is no longer required as of Font
Awesome 3.0 but is much appreciated:
"Font Awesome by Dave Gandy - http://fontawesome.io".</i>
</li>
<
</ul>
<
</section>

<
<section>
<h2 class="page-header">Font License</h2>
<ul>
<li>Applies to all desktop and webfont files in the following directory:
<code>font-awesome/fonts/</code>.</li>
<li>License: [{ site-fontawesome.license.font.version }]</li>
<li>URL: <a href="[{ site-fontawesome.license.font.url }]">[{ site-fontawesome.license.font.url }]"</a></li>
</ul>
</section>

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<ul>
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</section>

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</ul>
</section>

<section>
<h2 class="page-header">Brand Icons</h2>
{% include brand-license.html %}
</section>
Open Source Used In Crosswork Optimization Engine 1.2.1

<ul class="nav">
<li class="hidden-tablet"><a href="../">Home</a></li>
<li><a href="../get-started/">Get Started</a></li>
<li class="dropdown-split-left"><a href="../icons/">Icons</a></li>
<li class="dropdown dropdown-split-right hidden-phone">
<a href="#" class="dropdown-toggle" data-toggle="dropdown">
<i class="icon-caret-down"></i>
</a>
<ul class="dropdown-menu pull-right">
<li><a href="../icons/"><i class="icon-flag icon-fixed-width"></i>&nbsp; Icons</a></li>
<li class="divider"></li>
<li><a href="../icons/#new"><i class="icon-shield icon-fixed-width"></i>&nbsp; New Icons in 3.2.1</a></li>
<li><a href="../icons/#web-application"><i class="icon-camera-retro icon-fixed-width"></i>&nbsp; Web Application Icons</a></li>
<li><a href="../icons/#currency"><i class="icon-won icon-fixed-width"></i>&nbsp; Currency Icons</a></li>
<li><a href="../icons/#text-editor"><i class="icon-file-text-alt icon-fixed-width"></i>&nbsp; Text Editor Icons</a></li>
<li><a href="../icons/#directional"><i class="icon-hand-right icon-fixed-width"></i>&nbsp; Directional Icons</a></li>
<li><a href="../icons/#video-player"><i class="icon-play-sign icon-fixed-width"></i>&nbsp; Video Player Icons</a></li>
<li><a href="../icons/#brand"><i class="icon-github icon-fixed-width"></i>&nbsp; Brand Icons</a></li>
<li><a href="../icons/#medical"><i class="icon-medkit icon-fixed-width"></i>&nbsp; Medical Icons</a></li>
</ul>
</li>
<li class="dropdown-split-left"><a href="../examples/">Examples</a></li>
<li class="dropdown dropdown-split-right hidden-phone">
<a href="#" class="dropdown-toggle" data-toggle="dropdown">
<i class="icon-caret-down"></i>
</a>
<ul class="dropdown-menu pull-right">
<li><a href="../examples/">Examples</a></li>
<li class="divider"></li>
<li><a href="../examples/#new-styles">New Styles</a></li>
<li><a href="../examples/#inline-icons">Inline Icons</a></li>
<li><a href="../examples/#larger-icons">Larger Icons</a></li>
<li><a href="../examples/#bordered-pulled">Bordered & Pulled</a></li>
<li><a href="../examples/#buttons">Buttons</a></li>
<li><a href="../examples/#button-groups">Button Groups</a></li>
<li><a href="../examples/#button-dropdowns">Button Drop downs</a></li>
<li><a href="../examples/#bulleted-lists">Bulleted Lists</a></li>
<li><a href="../examples/#navigation">Navigation</a></li>
<li><a href="../examples/#form-inputs">Form Inputs</a></li>
</ul>
</li>
</ul>
<li><a href="../examples/#animated-spinner">Animated Spinner</a></li>
<li><a href="../examples/#rotated-flipped">Rotated & Flipped</a></li>
<li><a href="../examples/#stacked">Stacked</a></li>
<li><a href="../examples/#custom">Custom CSS</a></li>

</ul>

</li>

</div>

</ul>

<ul class="nav pull-right">

<li><a href="http://articles.fortawesome.com">Blog</a></li>

</ul>

</div>

</div>

</div>

</div>

</div>

<div class="jumbotron jumbotron-ad hidden-print">

<div class="container">

<h1><i class="icon-legal icon-large"></i>&nbsp; License</h1>

<p>The full details of how Font Awesome is licensed</p>

</div>

</div>

<div id="social-buttons" class="hidden-print">

<div class="container">

<ul class="unstyled inline">

<li>
<iframe class="github-btn" src="http://ghbtns.com/github-btn.html?user=FortAwesome&repo=Font-Awesome&type=watch&count=true" allowtransparency="true" frameborder="0" scrolling="0" width="100px" height="20px"></iframe>

</li>

<li>
<iframe class="github-btn" src="http://ghbtns.com/github-btn.html?user=FortAwesome&repo=Font-Awesome&type=fork&count=true" allowtransparency="true" frameborder="0" scrolling="0" width="102px" height="20px"></iframe>

</li>

<li class="follow-btn">
<a href="https://twitter.com/fontawesome" class="twitter-follow-button" data-link-color="#0069D6" data-show-count="true">Follow @fontawesome</a>

</li>

</ul>

</div>

</div>
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    <li>Applies to all desktop and webfont files in the following directory:
        <code>font-awesome/font/</code>.</li>
    <li>License: SIL OFL 1.1</li>
</ul>

<section>
    <h2 class="page-header">Code License</h2>
    <ul>
        <li>Applies to all CSS and LESS files in the following directories:
            <code>font-awesome/css/</code> and
            <code>font-awesome/less/</code>.</li>
        <li>License: MIT License</li>
    </ul>
</section>

<section>
    <h2 class="page-header">Documentation License</h2>
    <ul>
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    </ul>
</section>

<section>
    <h2 class="page-header">Brand Icons</h2>
    <ul class="margin-bottom-none">
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</section>
1.1997 openconfig-parser-support 2.1.11
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1.1998 bind 9.11.3+dfsg 1ubuntu1.11
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-
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-->

<!- $Id$ -->

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

<xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
xmlns:xi="http://www.w3.org/2001/XInclude"
xmlns:db="http://docbook.org/ns/docbook">

<xsl:template name="isc.copyright.format">
  <xsl:param name="text"/>
  <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
  <xsl:text>&#10;</xsl:text>
  <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
  <xsl:if test="translate($rest, '&#9;&#32;', '')">
    <xsl:call-template name="isc.copyright.format">
      <xsl:with-param name="text" select="$rest"/>
    </xsl:call-template>
  </xsl:if>
</xsl:template>
</xsl:stylesheet>
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>
* atf-c/ui.c: The format_paragraph and format_text functions were
derived form the ones in the Monotone project, revision
3a0982da308228d796df35f98d787c5cfff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

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

Author: Julio Merino <jmmv84@gmail.com>

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

Author: Julio Merino <jmmv84@gmail.com>

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1.2010 jetty-util 9.4.12.v20180830

1.2011 neo4j-cypher-logical-plans 3.5.4

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1.2018 swagger-annotations 1.5.13

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import java.lang.annotation.Retention;
import java.lang.annotation.RetentionPolicy;
import java.lang.annotation.Target;

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 * License metadata available within the info section of a Swagger definition, see
 * https://github.com/OAI/OpenAPI-Specification/blob/master/versions/2.0.md#licenseObject
 *
 * @since 1.5.0
 */

@Target(ElementType.ANNOTATION_TYPE)
@Retention(RetentionPolicy.RUNTIME)
public @interface License {

/**
 * The name of the license.
 *
 * @return the name of the license
 */
String name();

/**
 * An optional URL for the license.
 *
 * @return an optional URL for the license.
 */
String url() default "";
}
1.2019 jackson-annotations 2.9.10

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1.2020 libssh 1.8.0 r3

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1.2042 jackson-datatype-jdk8 2.9.10

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* /opt/ws_local/PERMITS_SQL/1013822089_1591370825.53/0/jcip-annotations-1-0-1-sources-jar/net/jcip/annotations/NotThreadSafe.java
* /opt/ws_local/PERMITS_SQL/1013822089_1591370825.53/0/jcip-annotations-1-0-1-sources-jar/net/jcip/annotations/ThreadSafe.java
* /opt/ws_local/PERMITS_SQL/1013822089_1591370825.53/0/jcip-annotations-1-0-1-sources-jar/net/jcip/annotations/GuardedBy.java
* /opt/ws_local/PERMITS_SQL/1013822089_1591370825.53/0/jcip-annotations-1-0-1-sources-jar/net/jcip/annotations/Immutable.java

1.2070 lato 0.3.0

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1.2073 netty-handler-proxy 4.1.17

1.2074 manual 4.2.2
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1.2075 thrift 0.10.0

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compiler/cpp/src/thrifty.11
compiler/cpp/src/thrifty.yy
lib/csharp/src/Protocol/TBinaryProtocol.cs
lib/csharp/src/Protocol/TField.cs
lib/csharp/src/Protocol/TLList.cs
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lib/csharp/src/TProcessor.cs
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lib/csharp/src/Transport/TServerTransport.cs
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lib/csharp/src/Transport/TTTransportException.cs
lib/csharp/src/Transport/TTTransportFactory.cs
lib/csharp/ThriftMSBuildTask/Properties/AssemblyInfo.cs
lib/csharp/ThriftMSBuildTask/ThriftBuild.cs
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1.2079 spring-boot-starter-jdbc 2.2.5

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pkgname=perl-software-license
  _pkgreal=Software-License
pkgver=0.103004
pkgrel=0
pkgdesc="packages that provide templated software licenses"
url="http://search.cpan.org/dist/Software-License/"
arch="noarch"
license="GPL PerlArtistic"
cpandepend="perl-text-template perl-data-section perl-sub-install"
cpanmakedepend=" 
depends="$cpandepend"
makedepend="perl-dev $cpanmakedepend"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/R/RJ/RJBS/$_pkgreal-$pkgver.tar.gz"

  _builddir="$srcdir/$_pkgreal-$pkgver"

  prepare() {
    cd "$_builddir"
    export CFLAGS=" perl -MConfig -E 'say $Config{ccflags}'"
    PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
build() {
    cd "$_builddir"
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
    make && make test
}

package() {
    cd "$_builddir"
    make DESTDIR="$pkgdir" install || return 1
    find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

md5sums="0c5fd53d93818566234578b27d667b35  Software-License-0.103004.tar.gz"
# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=5
pkgdesc="A library for high-performance 2D graphics"
url="http://www.levien.com/libart/"
arch="all"
license="LGPL"
depends=
makedepends=
subpackages="$pkgname-dev"

_prepbuilddir="$_srcdir"/libart_lgpl-$pkgver

prepare() {
    cd "$_builddir"
    update_config_sub || return 1
}

build() {
    cd "$_builddir"
    ./configure \n    --build=$CBUILD \n    --host=$CHOST \n    --prefix=/usr \n    || return 1
    make || return 1
}

package() {
    cd "$_builddir"
    make DESTDIR="$pkgdir" install || return 1
rm "$pkgdir"/usr/lib/*.la
}

md5sums="08559ff3c67fd95d57b0c5e91a6b4302  libart_lgpl-2.3.21.tar.bz2"
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*/
--- a/expected/plluatest.out
+++ b/expected/plluatest.out
@@ -232,8 +232,8 @@
 1 | name  | data
(1 row)
+SET client_min_messages = warning;
CREATE TABLE tree (id INT PRIMARY KEY, lchild INT, rchild INT);
-NOTICE:  CREATE TABLE / PRIMARY KEY will create implicit index "tree_pkey" for table "tree"
CREATE FUNCTION filltree (t text, n int) RETURNS void AS $$
  local p = server.prepare("insert into ". t .. ") values($1, $2, $3)",
  {"int4", "int4", "int4")
--- a/sql/plluatest.sql
+++ b/sql/plluatest.sql
@@ -160,6 +160,7 @@
 SELECT * FROM get_rows('name');

+SET client_min_messages = warning;
CREATE TABLE tree (id INT PRIMARY KEY, lchild INT, rchild INT);

CREATE FUNCTION filltree (t text, n int) RETURNS void AS $$

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- `analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java`
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CyberNeko HTML Parser
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NekoHTML is a simple HTML scanner and tag balancer that enables application programmers to parse HTML documents and access the information using standard XML interfaces. The parser can scan HTML files and "fix up" many common mistakes that human (and computer) authors make in writing HTML documents. NekoHTML adds missing parent elements; automatically closes elements with optional end tags; and can handle mismatched inline element tags.

NekoHTML is written using the Xerces Native Interface (XNI) that is the foundation of the Xerces2 implementation. This enables you to use the NekoHTML parser with existing XNI tools without modification or rewriting code.

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1.2121 slf4j-nop 1.7.21

1.2122 libtasn 4.13-2
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The quality of protection that should be used for any communication that occurs after the authentication has completed. Allowed values are 'auth' (for just authentication with no communication protection), 'auth-int' (for integrity protection for communication, which does not encrypt but ensures that the communication cannot be imperceptibly altered by a man in the middle attack), and 'auth-conf' (for confidentiality protection for communication, which encrypts the communication so that it cannot be deciphered by a third-party observer). If no value is specified, then a default of 'auth' will be assumed. If any of multiple qualities of protection will be considered acceptable then the permissible QoP values may be separated by commas and listed in order from most desirable to least desirable. INFO_SASL_GSSAPI_OPTION_QOP("The quality of protection that should be used for any communication that occurs after the authentication has completed. Allowed values are 'auth' (for just authentication with no communication protection), 'auth-int' (for integrity protection for communication, which does not encrypt but ensures that the communication cannot be imperceptibly altered by a man in the middle attack), and 'auth-conf' (for confidentiality protection for communication, which encrypts the communication so that it cannot be deciphered by a third-party observer). If no value is specified, then a default of 'auth' will be assumed. If any of multiple qualities of protection will be considered acceptable then the permissible QoP values may be separated by commas and listed in order from most desirable to least desirable.").

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```java
ResultCode.CONFIDENTIALITY_REQUIRED_INT_VALUE;
```

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```java
CONFIDENTIALITY_REQUIRED_INT_VALUE = 13; public static final ResultCode
CONFIDENTIALITY_REQUIRED = new ResultCode(INFO_RC_CONFIDENTIALITY_REQUIRED.get(),
CONFIDENTIALITY_REQUIRED_INT_VALUE); case CONFIDENTIALITY_REQUIRED_INT_VALUE:
return CONFIDENTIALITY_REQUIRED; CONFIDENTIALITY_REQUIRED,'

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netifaces 0.10.4
================

.. image:: https://drone.io/bitbucket.org/al45tair/netifaces/status.png
   :target: https://drone.io/bitbucket.org/al45tair/netifaces/latest
   :alt: Build Status

1. What is this?

It's been annoying me for some time that there's no easy way to get the address(es) of the machine's network interfaces from Python. There is a good reason for this difficulty, which is that it is virtually impossible to do so in a portable manner. However, it seems to me that there should be a package you can easy_install that will take care of working out the details of doing so on the machine you're using, then you can get on with writing Python code without concerning yourself with the nitty gritty of system-dependent low-level networking APIs.
This package attempts to solve that problem.

2. How do I use it?

First you need to install it, which you can do by typing:

```
tar xzvf netifaces-0.10.4.tar.gz
cd netifaces-0.10.4
python setup.py install
```

Once that’s done, you’ll need to start Python and do something like the following:

```python
>>> import netifaces
```

Then if you enter

```python
>>> netifaces.interfaces()
['lo0', 'gif0', 'stf0', 'en0', 'en1', 'fw0']
```

you’ll see the list of interface identifiers for your machine.

You can ask for the addresses of a particular interface by doing

```python
>>> netifaces.ifaddresses('lo0')
{18: [{}], 2: [{}], 30: [{}]}  
```

Hmmmm. That result looks a bit cryptic; let’s break it apart and explain what each piece means. It returned a dictionary, so let’s look there first:

```python
{ 18: [{}], 2: [{}], 30: [{}] }
```

Each of the numbers refers to a particular address family. In this case, we have three address families listed; on my system, 18 is `AF_LINK` (which means the link layer interface, e.g. Ethernet), 2 is `AF_INET` (normal Internet addresses), and 30 is `AF_INET6` (IPv6).

But wait! Don’t use these numbers in your code. The numeric values here are system dependent; fortunately, I thought of that when writing netifaces, so the module declares a range of values that you might need. e.g.

```python
>>> netifaces.AF_LINK
18
```

Again, on your system, the number may be different.
So, what we've established is that the dictionary that's returned has one entry for each address family for which this interface has an address. Let's take a look at the `AF_INET` addresses now:

```python
>>> addrs = netifaces.ifaddresses('lo0')
>>> addrs[netifaces.AF_INET]
[{'peer': '127.0.0.1', 'netmask': '255.0.0.0', 'addr': '127.0.0.1'}]
```

You might be wondering why this value is a list. The reason is that it's possible for an interface to have more than one address, even within the same family. I'll say that again: *you can have more than one address of the same type associated with each interface*.

*Asking for "the" address of a particular interface doesn't make sense.*

Right, so, we can see that this particular interface only has one address, and, because it's a loopback interface, it's point-to-point and therefore has a *peer* address rather than a broadcast address.

Let's look at a more interesting interface.

```python
>>> addrs = netifaces.ifaddresses('en0')
>>> addrs[netifaces.AF_INET]
[{'broadcast': '10.15.255.255', 'netmask': '255.240.0.0', 'addr': '10.0.1.4'}, {'broadcast': '192.168.0.255', 'addr': '192.168.0.47'}]
```

This interface has two addresses (see, I told you...) Both of them are regular IPv4 addresses, although in one case the netmask has been changed from its default. The netmask *may not* appear on your system if it's set to the default for the address range.

Because this interface isn't point-to-point, it also has broadcast addresses.

Now, say we want, instead of the IP addresses, to get the MAC address; that is, the hardware address of the Ethernet adapter running this interface. We can do

```python
>>> addrs[netifaces.AF_LINK]
[{'addr': '00:12:34:56:78:9a'}]
```

Note that this may not be available on platforms without getifaddrs(), unless they happen to implement `SIOCGIFHWADDR`. Note also that you just get the address; it's unlikely that you'll see anything else with an `AF_LINK` address. Oh, and don't assume that all `AF_LINK` addresses are Ethernet; you might, for instance, be on a Mac, in which case:

```python
>>> addrs = netifaces.ifaddresses('fw0')
```
No, that isn't an exceptionally long Ethernet MAC address—it's a FireWire address.

As of version 0.10.0, you can also obtain a list of gateways on your machine:

```python
>>> netifaces.gateways()
{2: [('10.0.1.1', 'en0', True), ('10.2.1.1', 'en1', False)], 30: [('fe80::1', 'en0', True)], 'default': { 2: ('10.0.1.1', 'en0'), 30: ('fe80::1', 'en0') }}
```

This dictionary is keyed on address family—in this case, ``AF_INET``—and each entry is a list of gateways as ``(address, interface, is_default)`` tuples. Notice that here we have two separate gateways for IPv4 (``AF_INET``); some operating systems support configurations like this and can either route packets based on their source, or based on administratively configured routing tables.

For convenience, we also allow you to index the dictionary with the special value ``'default'``, which returns a dictionary mapping address families to the default gateway in each case. Thus you can get the default IPv4 gateway with

```python
>>> gws = netifaces.gateways()
>>> gws['default'][netifaces.AF_INET]
('10.0.1.1', 'en0')
```

Do note that there may be no default gateway for any given address family; this is currently very common for IPv6 and much less common for IPv4 but it can happen even for ``AF_INET``.

BTW, if you're trying to configure your machine to have multiple gateways for the same address family, it's a very good idea to check the documentation for your operating system *very* carefully, as some systems become extremely confused or route packets in a non-obvious manner.

I'm very interested in hearing from anyone (on any platform) for whom the ``gateways()`` method doesn't produce the expected results. It's quite complicated extracting this information from the operating system (whichever operating system we're talking about), and so I expect there's at least one system out there where this just won't work.

3. This is great! What platforms does it work on?
---------------------------------------------------------------------

It gets regular testing on OS X, Linux and Windows. It has also been used successfully on Solaris, and it's expected to work properly on other UNIX-like systems as well. If you are running something that is not supported, and
wish to contribute a patch, please use BitBucket to send a pull request.

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

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5. Why the jump to 0.10.0?  
--------------------------

Because someone released a fork of netifaces with the version 0.9.0. Hopefully skipping the version number should remove any confusion. In addition starting with 0.10.0 Python 3 is now supported and other features/bugfixes have been included as well. See the CHANEGLOG for a more complete list of changes.

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* /opt/ws_local/PERMITS_SQL/1016069500_1591897448.29/0/netifaces-0-10-4-orig-tar-gz/netifaces-0.10.4/README.rst

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python setup.py install
```

Once that's done, you'll need to start Python and do something like the following:

```python
>>> import netifaces

>>> netifaces.interfaces()
['lo0', 'gif0', 'stf0', 'en0', 'en1', 'fw0']
```

you'll see the list of interface identifiers for your machine.

You can ask for the addresses of a particular interface by doing

```python
>>> netifaces.ifaddresses('lo0')
```
 Hmmmm. That result looks a bit cryptic; let's break it apart and explain what each piece means. It returned a dictionary, so let's look there first:

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Each of the numbers refers to a particular address family. In this case, we have three address families listed; on my system, 18 is ``AF_LINK`` (which means the link layer interface, e.g. Ethernet), 2 is ``AF_INET`` (normal Internet addresses), and 30 is ``AF_INET6`` (IPv6).

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 {'broadcast': '192.168.0.255', 'addr': '192.168.0.47'}]
```
This interface has two addresses (see, I told you...) Both of them are regular IPv4 addresses, although in one case the netmask has been changed from its default. The netmask *may not* appear on your system if it's set to the default for the address range.

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[{'addr': '00:12:34:56:78:9a:bc:de'}]
```

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```
Do note that there may be no default gateway for any given address family; this is currently very common for IPv6 and much less common for IPv4 but it can happen even for `\`AF_INET\``.

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1.2156 unattended-upgrades

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1.2170 jansi-native 1.6

1.2171 cas-server-core-webflow 5.2.0

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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1.2188 json-path 2.4.0

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c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include
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operating system on which the executable runs, unless that component
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Appendix: How to Apply These Terms to Your New Programs

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
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1.2198 iconv 2.24 11+deb9u4

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

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

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

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

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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

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

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

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

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

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

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

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

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Version 3, 29 June 2007

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

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

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

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

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- the libintl.jar Java library,
- the GNU.Gettext.dll C# library,
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* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

------
Oracle OpenJDK

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

* java.sun.security.ssl

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

------
OW2

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

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

------
Apache

The following artifacts are ASL2 licensed.
org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

------
MortBay

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

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

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

------
Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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.SH NAME

PP etcdctl\-role\-grant\-permission \- Grants a key to a role

.SH SYNOPSIS

PP \fBetcdctl role grant\-permission [options] <role name> <permission type> <key> [endkey] [flags]\fP

.SH DESCRIPTION

PP Grants a key to a role
.SH OPTIONS

.fB-from-key.fP[=false]
grant a permission of keys that are greater than or equal to the given key using byte compare

.fP

.fB-h,fP, fB-help,fP[=false]
help for grant\-permission

.fP

.fB-prefix,fP[=false]
grant a prefix permission

.SH OPTIONS INHERITED FROM PARENT COMMANDS

.fP

.fB-cacert,fP=""
verify certificates of TLS\-enabled secure servers using this CA bundle

.fP

.fB-cert,fP=""
identify secure client using this TLS certificate file

.fP

.fB-command\-timeout,fP=5s
timeout for short running command (excluding dial timeout)

.fP

.fB-debug,fP[=false]
enable client\-side debug logging

.fP

.fB-dial\-timeout,fP=2s
dial timeout for client connections

.fP

.fB-d,fP, fB-discovery\-srv,fP=""
domain name to query for SRV records describing cluster endpoints

.fP

.fB-discovery\-srv\-name,fP=""
service name to query when using DNS discovery

.fP

.fB-\-endpoints,fP=[127.0.0.1:2379]
gRPC endpoints
-hex: print byte strings as hex encoded strings

-insecure-discovery: accept insecure SRV records describing cluster endpoints

-insecure-skip-tls-verify: skip server certificate verification

-insecure-transport: disable transport security for client connections

-keepalive-time: keepalive time for client connections

-keepalive-timeout: keepalive timeout for client connections

-key: identify secure client using this TLS key file

-password: password for authentication (if this option is used, -user option shouldn't include password)

-user: username[:password] for authentication (prompt if password is not supplied)

-write-out: set the output format (fields, json, protobuf, simple, table)

- See ALSO

- cdctl

- HISTORY
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.SH NAME

etcdctl\-role\-revoke\-permission \- Revokes a key from a role

.SH SYNOPSIS

etcdctl\-role\-revoke\-permission <role name> <key> [endkey] [flags]

.SH DESCRIPTION

Revoke a key from a role
.SH OPTIONS

```
\fB\-\-from-key\fP[=false]
  revoke a permission of keys that are greater than or equal to the given key using byte compare
```

```
\fB\-h\fP, \fB\-\-help\fP[=false]
  help for revoke\-permission
```

```
\fB\-\-prefix\fP[=false]
  revoke a prefix permission
```

.SH OPTIONS INHERITED FROM PARENT COMMANDS

```
\fB\-\-cacert\fP=""
  verify certificates of TLS\-enabled secure servers using this CA bundle
```

```
\fB\-\-cert\fP=""
  identify secure client using this TLS certificate file
```

```
\fB\-\-command\-timeout\fP=5s
  timeout for short running command (excluding dial timeout)
```

```
\fB\-\-debug\fP[=false]
  enable client\-side debug logging
```

```
\fB\-\-dial\-timeout\fP=2s
  dial timeout for client connections
```

```
\fB\-d\fP, \fB\-\-discovery\-srv\fP=""
  domain name to query for SRV records describing cluster endpoints
```

```
\fB\-\-discovery\-srv\-name\fP=""
  service name to query when using DNS discovery
```

```
\fB\-\-endpoints\fP=[127.0.0.1:2379]
  gRPC endpoints
```
- **--hex**
  - print byte strings as hex encoded strings

- **--insecure-discovery**
  - accept insecure SRV records describing cluster endpoints

- **--insecure-skip-tls-verify**
  - skip server certificate verification

- **--insecure-transport**
  - disable transport security for client connections

- **--keepalive-time**
  - keepalive time for client connections

- **--keepalive-timeout**
  - keepalive timeout for client connections

- **--key**
  - identify secure client using this TLS key file

- **--password**
  - password for authentication (if this option is used, --user option shouldn't include password)

- **--user**
  - username[:password] for authentication (prompt if password is not supplied)

- **--write-out**
  - set the output format (fields, json, protobuf, simple, table)

**SEE ALSO**

- **cdctl3-role(1)**

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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Protocol Buffers for Go with Gadgets

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http://github.com/gogo/protobuf

Go support for Protocol Buffers - Google's data interchange format

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etcdctl\-role\-revoke\-permission \- Revokes a key from a role

Revokes a key from a role

revokes a permission of keys that are greater than or equal to the given key using byte compare

gives help for revoke\-permission

gives a prefix permission

verify certificates of TLS\-enabled secure servers using this CA bundle

identify secure client using this TLS certificate file

timeout for short running command (excluding dial timeout)

enable client\-side debug logging

timeout for short running command (excluding dial timeout)
dial timeout for client connections

```
-d, --discovery-srv=""
   domain name to query for SRV records describing cluster endpoints
```

```
-discovery-srv-name=""
   service name to query when using DNS discovery
```

```
-endpoints=[127.0.0.1:2379]
   gRPC endpoints
```

```
-hex=[false]
   print byte strings as hex encoded strings
```

```
-insecure-discovery=[true]
   accept insecure SRV records describing cluster endpoints
```

```
-insecure-skip-tls-verify=[false]
   skip server certificate verification
```

```
-insecure-transport=[true]
   disable transport security for client connections
```

```
-keepalive-time=2s
   keepalive time for client connections
```

```
-keepalive-timeout=6s
   keepalive timeout for client connections
```

```
-key=""
   identify secure client using this TLS key file
```

```
-password=""
   password for authentication (if this option is used, --user option shouldn't include password)
```

```
-user=""
```

Open Source Used In Crosswork Optimization Engine 1.2.1  16394
username[:password] for authentication (prompt if password is not supplied)

.set the output format (fields, json, protobuf, simple, table)

SEE ALSO

ETCDCTL-ROLE(1)

HISTORY

14-Mar-2019 Auto generated by spf13/cobra

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.SH NAME
etcdctl\-role\-grant\-permission \- Grants a key to a role

**SYNOPSIS**

```
ETCDCTL=3 etcdctl role grant\-permission [options] <role name> <permission type> <key> [endkey] [flags]
```

**DESCRIPTION**

Grants a key to a role

**OPTIONS**

```
\-\-from\-key[=false]
  grant a permission of keys that are greater than or equal to the given key using byte compare

\-h, \-\-help[=false]
  help for grant\-permission

\-\-prefix[=false]
  grant a prefix permission
```

**OPTIONS INHERITED FROM PARENT COMMANDS**

```
\-\-cacert=""
  verify certificates of TLS\-enabled secure servers using this CA bundle

\-\-cert=""
  identify secure client using this TLS certificate file

\-\-command\-timeout\=5s
  timeout for short running command (excluding dial timeout)

\-\-debug[=false]
  enable client\-side debug logging

\-\-dial\-timeout\=2s
  dial timeout for client connections
```
\textbf{-d}, \textbf{--discovery-srv}=""

domain name to query for SRV records describing cluster endpoints

\textbf{--discovery-srv-name}=""

service name to query when using DNS discovery

\textbf{--endpoints}=[127.0.0.1:2379]

gRPC endpoints

\textbf{--hex}=[false]

print byte strings as hex encoded strings

\textbf{--insecure-discovery}=[true]

accept insecure SRV records describing cluster endpoints

\textbf{--insecure-skip-tls-verify}=[false]

skip server certificate verification

\textbf{--insecure-transport}=[true]

disable transport security for client connections

\textbf{--keepalive-time}=[2s]

keepalive time for client connections

\textbf{--keepalive-timeout}=[6s]

keepalive timeout for client connections

\textbf{--key}=""

identify secure client using this TLS key file

\textbf{--password}=""

password for authentication (if this option is used, \textbf{--user} option shouldn't include password)

\textbf{--user}=""

username[:password] for authentication (prompt if password is not supplied)
set the output format (fields, json, protobuf, simple, table)

SEE ALSO

etcdctl3-role(1)

HISTORY

14-Mar-2019 Auto generated by spf13/cobra

1.2229 neo4j-ssl 3.5.4

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src/arc4random_uniform.c
src/arc4random_unix.h
src/closefrom.c
src/getentropy_aix.c
src/getentropy_bsd.c
src/getentropy_hpux.c
src/getentropy_hurd.c
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* org.eclipse.jetty.orbit:javax.security.auth.message

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

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**Oracle**

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

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

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**Oracle OpenJDK**

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

* java.sun.security.ssl

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

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**OW2**

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

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Apache

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

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

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

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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org.apache.tomcat:tomcat-util-scan
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* /opt/ws_local/PERMITS_SQL/1014325527_1591897370.44/0/ninja-metrics-4-0-5-sources-jar/ninja/metrics/InstrumentedMemcached.java
* /opt/ws_local/PERMITS_SQL/1014325527_1591897370.44/0/ninja-metrics-4-0-5-sources-jar/ninja/metrics/MeteredInterceptor.java
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* /opt/ws_local/PERMITS_SQL/1014325527_1591897370.44/0/ninja-metrics-4-0-5-sources-jar/ninja/metrics/Timed.java
* /opt/ws_local/PERMITS_SQL/1014325527_1591897370.44/0/ninja-metrics-4-0-5-sources-jar/ninja/metrics/InstrumentedCache.java

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objx - by Mat Ryer and Tyler Bunnell

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* DNS resolver (dirmngr/dns.c)

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jai-imageio
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<!DOCTYPE HTML>
<html>
<head>
<meta charset="UTF-8"/>
<title></title>
<link href="../style.css" rel="stylesheet" type="text/css"/>
</head>
<body>

<h3> </h3>

<p><strong class="notranslate">Barcode Scanner</strong> QR </p>

<p> </p>

<p> </p>

<h3> </h3>

<p><span class="notranslate">Google, Google Books, Google Product Search, Barcode Scanner, ZXing, QR Code, Data Matrix, Aztec</span> </p>

<h3> </h3>

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</body>
</html>
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<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" lang="en">
<head>
  <meta charset="UTF-8"/>
  <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
  <meta name="Date-Revision-yyyymmdd" content="20160911"/>
  <meta http-equiv="Content-Language" content="en"/>
  <title>ZXing &amp;#x2013; Project Licenses</title>
  <link rel="stylesheet" href="/css/apache-maven-fluido-1.5.min.css"/>
  <link rel="stylesheet" href="/css/site.css"/>
</head>

<body>

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&lt;/body&gt;
&lt;/html&gt;

!DOCTYPE html

| Generated by Apache Maven Doxia Site Renderer 1.7.1 at 2016-09-11
| Rendered using Apache Maven Fluido Skin 1.5

&lt;meta charset="UTF-8"&gt;
&lt;meta name="viewport" content="width=device-width, initial-scale=1.0"&gt;
&lt;meta name="Date-Revision-yyyymmdd" content="20160911"&gt;
&lt;meta http-equiv="Content-Language" content="en"&gt;
&lt;title&gt;ZXing &amp;#x2013; Project Licenses&lt;/title&gt;
&lt;link rel="stylesheet" href="/css/apache-maven-fluido-1.5.min.css"&gt;
&lt;link rel="stylesheet" href="/css/site.css"&gt;
<a href="dependency-info.html" title="Dependency Information">
<span class="none"></span>Dependency Information</a>
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<br/>

<li><a href="dependency-management.html" title="Dependency Management">
<span class="none"></span>Dependency Management</a></li>

<br/>

<li><a href="index.html" title="About">
<span class="none"></span>About</a></li>

<br/>

<li><a href="issue-tracking.html" title="Issue Management">
<span class="none"></span>Issue Management</a></li>

<br/>

<li class="active">
<a href="#" title="Licenses">
<span class="none"></span>Licenses</a>
</li>

<br/>

<li><a href="mail-lists.html" title="Mailing Lists">
<span class="none"></span>Mailing Lists</a></li>

<br/>

<li><a href="source-repository.html" title="Source Code Management">
<span class="none"></span>Source Code Management</a></li>
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<html>
<head>
<meta charset="UTF-8"/>
<title></title>
<link href="../style.css" rel="stylesheet" type="text/css"/>
</head>
<body>

<h3></h3>

<p><strong class="notranslate">Barcode Scanner</strong> QR code</p>

<p>Google Books Google Product Search Amazon</p>
Google, Google Books, Google Product Search, Barcode Scanner, ZXing, QR Code, Data Matrix, Aztec

ZXing

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Google Translate.
<p><strong class="notranslate">QR</strong>QR</p>

<p>Google Google Product Search Amazon</p>

<p></p>

<h3></h3>

<p><span class="notranslate">Google, Google Books, Google , Google Product Search, Barcode Scanner, QR, ZXing, QR Code, QR, Data Matrix, Aztec</span></p>

<h3></h3>

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<p>Notez que cette application accède des services tiers, y compris Google Books, Google Recherche d'un produit</p>
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</body>
</html>

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<html>
<head>
<meta charset="UTF-8"/>
<title>Politica de Privacidad Informacion Legal y Licencia</title>
<link href="../style.css" rel="stylesheet" type="text/css"/>
</head>
<body>

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<!DOCTYPE HTML>
<html>
<head>
<meta charset="UTF-8"/>
<title> </title>
<link href="../style.css" rel="stylesheet" type="text/css"/>
</head>
<body>

<h3> </h3>

<p><strong>Barcode Scanner</strong>, , , , , QR- .</p>

<p>, , Google Books, Google Product Search, Amazon, , , , , .</p>

<p>, , , , , .</p>

<h3> </h3>

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<h3> </h3>
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1.2297 yang-model-util 1.2.3

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1.2309 infinispan-core 8.2.5

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1.2330 zlib 1.2.8

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/* zlib.h -- interface of the 'zlib' general purpose compression library
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*/

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1.2332 postgresql-jdbc 42.1.4

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</ul>
The original JDBC driver was written by Adrian Hall. Peter Mount and Barry Lind have maintained it in the past, but have since moved on to other things.

People who have contributed significant code to the project since the 7.4 release. A careful historical study has not been commissioned, but if you've done something valuable, we'd be happy to recognize you for it. Just let us know.

Jan Andre le Roux
- ResultSetMetaData information based on the V3 protocol

Jaroslaw J. Pyszny
- Improve MetaData regarding the serial datatype

Ulrich Meis
- Allow users to customize the SSL connection

Xavier Poinsard
- Standard escaped functions {fn ...()}
- Support for infinity in the timestamp datatype
- Make PGInterval able to decode and manipulate interval data
- Blob write and position methods.
- Support asynchronous notification retrieval.
- XADataSource implementation.
- Reduce memory usage retrieving bytea data.
- Correctly parse dollar quotes and comments.
- Work with standard_conforming_strings = on.
- Support multi-dimensional arrays and NULL array elements.

---

**Translators**

- Michael Barker
- Andras Kadinger
- Heikki Linnakangas
- Luis Vilar Flores
- Michael Paesold
- Mikko Tiihonen
- Marek Lewczuk

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<li>Petr Dittrich</li>
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<li>de - German</li>
<li>Andre Bialojahn</li>
</ul>
<li>es - Spanish</li>
<li>Diego A. Gil</li>
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<li>fr - French</li>
<li>Xavier Poinsard</li>
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<li>Giuseppe Sacco</li>
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<li>ru - Russian</li>
<li>Serguei Mokhov</li>
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1.2333 websocket-api 9.4.8.v20171121

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# Jackson JSON processor

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

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1.5.8

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jar/net/sf/cglib/beans/BeanMap.java
* /opt/ws_local/PERMITS_SQL/1018922653_1591358143.99/0/cglib-2-1-3-sources-jar/net/sf/cglib/transform/ClassTransformerChain.java
* /opt/ws_local/PERMITS_SQL/1018922653_1591358143.99/0/cglib-2-1-3-sources-jar/net/sf/cglib/proxy/NoOpGenerator.java
* /opt/ws_local/PERMITS_SQL/1018922653_1591358143.99/0/cglib-2-1-3-sources-jar/net/sf/cglib/core/KeyFactory.java
* /opt/ws_local/PERMITS_SQL/1018922653_1591358143.99/0/cglib-2-1-3-sources-jar/net/sf/cglib/proxy/MethodProxy.java
* /opt/ws_local/PERMITS_SQL/1018922653_1591358143.99/0/cglib-2-1-3-sources-jar/net/sf/cglib/reflect/FastClass.java
* /opt/ws_local/PERMITS_SQL/1018922653_1591358143.99/0/cglib-2-1-3-sources-jar/net/sf/cglib/proxy/InvocationHandlerGenerator.java
* /opt/ws_local/PERMITS_SQL/1018922653_1591358143.99/0/cglib-2-1-3-sources-jar/net/sf/cglib/core/CollectionUtils.java
* /opt/ws_local/PERMITS_SQL/1018922653_1591358143.99/0/cglib-2-1-3-sources-jar/net/sf/cglib/core/MethodWrapper.java
* /opt/ws_local/PERMITS_SQL/1018922653_1591358143.99/0/cglib-2-1-3-sources-jar/net/sf/cglib/reflect/MulticastDelegate.java
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* /opt/ws_local/PERMITS_SQL/1018922653_1591358143.99/0/cglib-2-1-3-sources-jar/net/sf/cglib/transform/AbstractClassLoader.java
* /opt/ws_local/PERMITS_SQL/1018922653_1591358143.99/0/cglib-2-1-3-sources-jar/net/sf/cglib/transform/impl/AddStaticInitTransformer.java
* /opt/ws_local/PERMITS_SQL/1018922653_1591358143.99/0/cglib-2-1-3-sources-jar/net/sf/cglib/core/EmitUtils.java
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* /opt/ws_local/PERMITS_SQL/1018922653_1591358143.99/0/cglib-2-1-3-sources-jar/net/sf/cglib/proxy/LazyLoaderGenerator.java
* /opt/ws_local/PERMITS_SQL/1018922653_1591358143.99/0/cglib-2-1-3-sources-jar/net/sf/cglib/core/TypeUtils.java
* /opt/ws_local/PERMITS_SQL/1018922653_1591358143.99/0/cglib-2-1-3-sources-jar/net/sf/cglib/proxy/Proxy.java

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018922653_1591358143.99/0/cglib-2-1-3-sources-jar/net/sf/cglib/proxy/Enhancer.java

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* /opt/ws_local/PERMITS_SQL/1018922653_1591358143.99/0/cglib-2-1-3-sources-jar/net/sf/cglib/transform/AbstractTransformTask.java

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not-a-legal-formal-parameter-tuple.scala:2: error: not a legal formal parameter.
  Note: Tuples cannot be directly destructured in method or function parameters.  
    Either create a single parameter accepting the Tuple2,  
      or consider a pattern matching anonymous function: `case (a, b) => ...`
  val x: ((Int, Int) => Int) = (((a, b)) => a)
    ^

not-a-legal-formal-parameter-tuple.scala:3: error: not a legal formal parameter.
  Note: Tuples cannot be directly destructured in method or function parameters.  
    Either create a single parameter accepting the Tuple2,  
      or consider a pattern matching anonymous function: `case (param1, param2) => ...`
  val y: ((Int, Int, Int) => Int) = (((a, !!)) => a)
    ^

not-a-legal-formal-parameter-tuple.scala:4: error: not a legal formal parameter.
  Note: Tuples cannot be directly destructured in method or function parameters.  
    Either create a single parameter accepting the Tuple3,  
      or consider a pattern matching anonymous function: `case (param1, ..., param3) => ...`
  val z: ((Int, Int, Int) => Int) = (((a, NotAPatternVariableName, c)) => a)
    ^

three errors found

Scala includes the jQuery library:

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Version 3, 29 June 2007

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src/assuan-error.c
src/assuan-inquire.c
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src/assuan-socket-server.c
src/assuan-socket.c
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1.2395 jackson 2.9.10

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# Jackson JSON processor

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

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A list of contributors may be found from CREDITS file, which is included in some artifacts (usually source distributions); but is always available from the source code management (SCM) system project uses.

1.2396 managementehcacheimpl 2.10.6

1.2397 jetty-util 9.4.26.v20200117

1.2397.1 Available under license:

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Eclipse

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

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

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

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Oracle

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

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

-----

Oracle OpenJDK

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

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

-----

OW2

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

-----

Apache

The following artifacts are ASL2 licensed.

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

-----

MortBay

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

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

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

-----

Mortbay
The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jettyschemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies. This program and the accompanying materials are made available under the terms of the Eclipse Public License 2.0 which is available at http://www.eclipse.org/legal/epl-2.0, or the Apache Software License 2.0 which is available at https://www.apache.org/licenses/LICENSE-2.0.

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

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

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

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The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under
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in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
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work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

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

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

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

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

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

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

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

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1.2414 jackson-module-parameter-names

2.9.10

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Eclipse

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

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

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

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Oracle

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

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

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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OW2

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

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

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Apache

The following artifacts are ASL2 licensed.
org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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

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

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

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The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.2451 aether-spi 1.0.2.v20150114

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1.2452 ops4j-base-util 1.5.0

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

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## 1.2465 postgresql 42.2.8

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1.2467 jackson-jaxrs-base 2.9.6

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1.2468 gpm 1.20.7 5
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1.2469 shiro-crypto-cipher 1.4.0

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Version 2, June 1991

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//  //
package org.eclipse.jetty.io;

import java.io.IOException;
import java.io.InputStream;
import java.io.OutputStream;

import org.eclipse.jetty.util.TypeUtil;
import org.eclipse.jetty.util.log.Log;
import org.eclipse.jetty.util.log.Logger;

/**
 *
 *
 */

public abstract class AbstractBuffer implements Buffer {

    private static final Logger LOG = Log.getLogger(AbstractBuffer.class);

    private final static boolean __boundsChecking =
            Boolean.getBoolean("org.eclipse.jetty.io.AbstractBuffer.boundsChecking");

    private final static String __IMMUTABLE = "IMMUTABLE",
            __READONLY = "READONLY",
            __READWRITE = "READWRITE",
            __VOLATILE = "VOLATILE";

    protected final static String __IMMUTABLE = "IMMUTABLE",
            __READONLY = "READONLY",
            __READWRITE = "READWRITE",
            __VOLATILE = "VOLATILE";

    protected int _access;
    protected boolean _volatile;
    protected int _get;
    protected int _put;
    protected int _hash;
    protected int _hashGet;
    protected int _hashPut;
    protected int _mark;
    protected String _string;
    protected View _view;
/**
 * Constructor for BufferView
 *
 * @param access 0==IMMUTABLE, 1==READONLY, 2==READWRITE
 */
public AbstractBuffer(int access, boolean isVolatile)
{
    if (access == IMMUTABLE && isVolatile)
        throw new IllegalArgumentException("IMMUTABLE && VOLATILE");
    setMarkIndex(-1);
    _access = access;
    _volatile = isVolatile;
}

/*
 * @see org.eclipse.io.Buffer#toArray()
 */
public byte[] asArray()
{
    byte[] bytes = new byte[length()];
    byte[] array = array();
    if (array != null)
        System.arraycopy(array, getIndex(), bytes, 0, bytes.length);
    else
        peek(getIndex(), bytes, 0, length());
    return bytes;
}

public ByteBuffer duplicate(int access)
{
    Buffer b = this.buffer();
    if (this instanceof Buffer.CaseInsensitive || b instanceof Buffer.CaseInsensitive)
        return new ByteBuffer.CaseInsensitive(asArray(), 0, length(), access);
    else
        return new ByteBuffer(asArray(), 0, length(), access);
}

/*
 * @see org.eclipse.io.Buffer#asNonVolatile()
 */
public Buffer asNonVolatileBuffer()
{
    if (!isVolatile()) return this;
    return duplicate(_access);
}

public Buffer asImmutableBuffer()
if (isImmutable()) return this;
return duplicate(IMMUTABLE);

/*
 * @see org.eclipse.util.Buffer#asReadOnlyBuffer()
 */
public Buffer asReadOnlyBuffer()
{
    if (isReadOnly()) return this;
    return new View(this, markIndex(), getIndex(), putIndex(), READONLY);
}

public Buffer asMutableBuffer()
{
    if (!isImmutable()) return this;

    Buffer b = this.buffer();
    if (b.isReadOnly())
    {
        return duplicate(READWRITE);
    }
    return new View(b, markIndex(), getIndex(), putIndex(), _access);
}

public Buffer buffer()
{
    return this;
}

public void clear()
{
    setMarkIndex(-1);
    setGetIndex(0);
    setPutIndex(0);
}

public void compact()
{
    if (isReadOnly()) throw new IllegalStateException(__READONLY);
    int s = markIndex() >= 0 ? markIndex() : getIndex();
    if (s > 0)
    {
        byte array[] = array();
        int length = putIndex() - s;
        if (length > 0)
        {

```
if (array != null)
    System.arraycopy(array(), s, array(), 0, length);
else
    poke(0, peek(s, length));
}
if (markIndex() > 0) setMarkIndex(markIndex() - s);
setGetIndex(getIndex() - s);
setPutIndex(putIndex() - s);
}

@Override
public boolean equals(Object obj)
{
    if (obj==this)
        return true;

    // reject non buffers;
    if (obj == null || !(obj instanceof Buffer)) return false;
    Buffer b = (Buffer) obj;

    if (this instanceof Buffer.CaseInsensitive ||  b instanceof Buffer.CaseInsensitive)
        return equalsIgnoreCase(b);

    // reject different lengths
    if (b.length() != length()) return false;

    // reject AbstractBuffer with different hash value
    if (_hash != 0 && obj instanceof AbstractBuffer)
    {
        AbstractBuffer ab = (AbstractBuffer) obj;
        if (ab._hash != 0 && _hash != ab._hash) return false;
    }

    // Nothing for it but to do the hard grind.
    int get=getIndex();
    int bi=b.putIndex();
    for (int i = putIndex(); i-->get;)
    {
        byte b1 = peek(i);
        byte b2 = b.peek(--bi);
        if (b1 != b2) return false;
    }
    return true;
}

public boolean equalsIgnoreCase(Buffer b)
{...
if (b==this)
    return true;

// reject different lengths
if (b.length() != length()) return false;

// reject AbstractBuffer with different hash value
if (_hash != 0 && b instanceof AbstractBuffer)
{
    AbstractBuffer ab = (AbstractBuffer) b;
    if (ab._hash != 0 && _hash != ab._hash) return false;
}

// Nothing for it but to do the hard grind.
int get=getIndex();
int bi=b.putIndex();

byte[] array = array();
byte[] barray= b.array();
if (array!=null && barray!=null)
{
    for (int i = putIndex(); i-->get;)
    {
        byte b1 = array[i];
        byte b2 = barray[--bi];
        if (b1 != b2)
        {
            if ('a' <= b1 && b1 <= 'z') b1 = (byte) (b1 - 'a' + 'A');
            if ('a' <= b2 && b2 <= 'z') b2 = (byte) (b2 - 'a' + 'A');
            if (b1 != b2) return false;
        }
    }
}
else
{
    for (int i = putIndex(); i-->get;)
    {
        byte b1 = peek(i);
        byte b2 = b.peek(--bi);
        if (b1 != b2)
        {
            if ('a' <= b1 && b1 <= 'z') b1 = (byte) (b1 - 'a' + 'A');
            if ('a' <= b2 && b2 <= 'z') b2 = (byte) (b2 - 'a' + 'A');
            if (b1 != b2) return false;
        }
    }
}
return true;
public byte get()
{
    return peek(_get++);
}

public int get(byte[] b, int offset, int length)
{
    int gi = getIndex();
    int l = length();
    if (l == 0)
        return -1;

    if (length > l)
        length = l;

    length = peek(gi, b, offset, length);
    if (length > 0)
        setGetIndex(gi + length);
    return length;
}

public Buffer get(int length)
{
    int gi = getIndex();
    Buffer view = peek(gi, length);
    setGetIndex(gi + length);
    return view;
}

public final int getIndex()
{
    return _get;
}

public boolean hasContent()
{
    return _put > _get;
}

@Override
public int hashCode()
{
    if (_hash == 0 || _hashGet != _get || _hashPut != _put)
    {
        int get = getIndex();
        byte[] array = array();
if (array==null)
{
    for (int i = putIndex(); i > get;)
    {
        byte b = peek(i);
        if ('a' <= b && b <= 'z')
            b = (byte) (b - 'a' + 'A');
        _hash = 31 * _hash + b;
    }
}
else
{
    for (int i = putIndex(); i > get;)
    {
        byte b = array[i];
        if ('a' <= b && b <= 'z')
            b = (byte) (b - 'a' + 'A');
        _hash = 31 * _hash + b;
    }
}
if (_hash == 0)
    _hash = -1;
_hashGet=_get;
_hashPut=_put;

return _hash;
}

public boolean isImmutable()
{
    return _access <= IMMUTABLE;
}

public boolean isReadOnly()
{
    return _access <= READONLY;
}

public boolean isVolatile()
{
    return _volatile;
}

public int length()
{
    return _put - _get;
}
public void mark()
{
    setMarkIndex(_get - 1);
}

public void mark(int offset)
{
    setMarkIndex(_get + offset);
}

public int markIndex()
{
    return _mark;
}

public byte peek()
{
    return peek(_get);
}

public Buffer peek(int index, int length)
{
    if (_view == null)
    {
        _view = new View(this, -1, index, index + length, isReadOnly() ? READONLY : READWRITE);
    }
    else
    {
        _view.update(this.buffer());
        _view.setMarkIndex(-1);
        _view.setGetIndex(0);
        _view.setPutIndex(index + length);
        _view.setGetIndex(index);
    }
    return _view;
}

public int poke(int index, Buffer src)
{
    _hash=0;
    /*
    if (isReadOnly())
        throw new IllegalStateException(__READONLY);
    if (index < 0)
        throw new IllegalArgumentException("index<0: " + index + ",<0");
    */
int length = src.length();
if (index + length > capacity())
{
    length = capacity() - index;
    /*
    if (length<0)
        throw new IllegalArgumentException("index>capacity(): " + index + ">" + capacity());
    */
}

byte[] src_array = src.array();
byte[] dst_array = array();
if (src_array != null && dst_array != null)
    System.arraycopy(src_array, src.getIndex(), dst_array, index, length);
else if (src_array != null)
{
    int s = src.getIndex();
    for (int i = 0; i < length; i++)
        poke(index++, src_array[s++]);
}
else if (dst_array != null)
{
    int s = src.getIndex();
    for (int i = 0; i < length; i++)
        dst_array[index++] = src.peek(s++);
}
else
{
    int s = src.getIndex();
    for (int i = 0; i < length; i++)
        poke(index++, src.peek(s++));
}
return length;
}

public int poke(int index, byte[] b, int offset, int length)
{
    _hash = 0;
    /*
    if (isReadOnly())
        throw new IllegalStateException(__READONLY);
    if (index < 0)
        throw new IllegalArgumentException("index<0: " + index + ", <0");
    */
    if (index + length > capacity())
byte[] dst_array = array();
if (dst_array != null)
    System.arraycopy(b, offset, dst_array, index, length);
else
{
    int s=offset;
    for (int i=0;i<length;i++)
        poke(index++,b[s++]);
    return length;
}

public int put(Buffer src)
{
    int pi = putIndex();
    int l=poke(pi, src);
    setPutIndex(pi + l);
    return l;
}

public void put(byte b)
{
    int pi = putIndex();
    poke(pi, b);
    setPutIndex(pi + 1);
}

public int put(byte[] b, int offset, int length)
{
    int pi = putIndex();
    int l = poke(pi, b, offset, length);
    setPutIndex(pi + l);
    return l;
}

public int put(byte[] b)
{
    int pi = putIndex();
    int l = poke(pi, b, 0, b.length);
    setPutIndex(pi + l);
    return l;
public final int putIndex()
{
    return _put;
}

public void reset()
{
    if (markIndex() >= 0) setGetIndex(markIndex());
}

public void rewind()
{
    setGetIndex(0);
    setMarkIndex(-1);
}

public void setGetIndex(int getIndex)
{
    /* bounds checking
    if (isImmutable())
        throw new IllegalStateException(__IMMUTABLE);
    if (getIndex < 0)
        throw new IllegalArgumentException("getIndex<0: " + getIndex + ",<0");
    if (getIndex > putIndex())
        throw new IllegalArgumentException("getIndex>putIndex: " + getIndex + ",>" + putIndex());
    */
    _get = getIndex;
    _hash=0;
}

public void setMarkIndex(int index)
{
    /*
    if (index>=0 && isImmutable())
        throw new IllegalStateException(__IMMUTABLE);
    */
    _mark = index;
}

public void setPutIndex(int putIndex)
{
    /* bounds checking
    if (isImmutable())
        throw new IllegalStateException(__IMMUTABLE);
    if (putIndex > capacity())
        throw new IllegalArgumentException("putIndex>capacity: " + putIndex + ",>" + capacity());
    */
}
if (getIndex() > putIndex)
    throw new IllegalArgumentException("getIndex>putIndex: "+getIndex()+"">"+putIndex);
*/
    _put = putIndex;
    _hash=0;
}

public int skip(int n)
{
    if (length() < n) n = length();
    setGetIndex(getIndex() + n);
    return n;
}

public Buffer slice()
{
    return peek(getIndex(), length());
}

public Buffer sliceFromMark()
{
    return sliceFromMark(getIndex() - markIndex() - 1);
}

public Buffer sliceFromMark(int length)
{
    if (markIndex() < 0) return null;
    Buffer view = peek(markIndex(), length);
    setMarkIndex(-1);
    return view;
}

public int space()
{
    return capacity() - _put;
}

public String toDetailString()
{
    StringBuilder buf = new StringBuilder();
    buf.append("[");
    buf.append(super.hashCode());
    buf.append(",");
    buf.append(this.buffer().hashCode());
    buf.append(",m=");
    buf.append(markIndex());
    buf.append(",g=");
    buf.append(getIndex());
    buf.append("]");
    return buf.toString();
}
buf.append("p=");
buf.append(putIndex());
buf.append("c=");
buf.append(capacity());
buf.append("}={");
if (markIndex() >= 0)
{
 for (int i = markIndex(); i < getIndex(); i++)
 {
 byte b = peek(i);
 TypeUtil.toHex(b,buf);
 }
 buf.append("}{");
}
int count = 0;
for (int i = getIndex(); i < putIndex(); i++)
{
 byte b = peek(i);
 TypeUtil.toHex(b,buf);
 if (count++ == 50)
 {
 if (putIndex() - i > 20)
 {
 buf.append(" ... ");
 i = putIndex() - 20;
 }
 }
 buf.append('}');
return buf.toString();
}

/* ----------------------------------------------------------- */
@Override
public String toString()
{
 if (isImmutable())
 {
 if (_string == null)
 _string = new String(asArray(), 0, length());
 return _string;
 }
 return new String(asArray(), 0, length());
}

/* ----------------------------------------------------------- */
public String toString(String charset)
{
try
{
    byte[] bytes==array();
    if (bytes!=null)
        return new String(bytes,index(),length(),charset);
    return new String(asArray(), 0, length(),charset);
}

catch(Exception e)
{
    LOG.warn(e);
    return new String(asArray(), 0, length());
}

/* ------------------------------------------------------------------ */
public String toDebugString()
{
    return getClass()+""+super.hashCode();
}

/* ------------------------------------------------------------------ */
public void writeTo(OutputStream out)
throws IOException
{
    byte[] array = array();
    if (array!=null)
    {
        out.write(array,index(),length());
    }
    else
    {
        int len = this.length();
        byte[] buf=new byte[len>1024?1024:len];
        int offset=_get;
        while (len>0)
        {
            int l=peek(offset,buf,0,len>buf.length?buf.length:len);
            out.write(buf,0,l);
            offset+=l;
            len-=l;
        }
        clear();
    }

    /* ------------------------------------------------------------------ */
public int readFrom(InputStream in, int max) throws IOException
{
    byte[] array = array();
    int s = space();
    if (s > max)
        s = max;

    if (array != null)
    {
        int l = in.read(array, _put, s);
        if (l > 0)
            _put += l;
        return l;
    }
    else
    {
        byte[] buf = new byte[s > 1024 ? 1024 : s];
        int total = 0;
        while (s > 0)
        {
            int l = in.read(buf, 0, buf.length);
            if (l < 0)
                return total > 0 ? total : -1;
            int p = put(buf, 0, l);
            assert l == p;
            s -= l;
        }
        return total;
    }
}

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1.2523 adduser 3.118

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Dependencies with multiple licenses

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1.2525 libfastjson 0.99.8-2

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* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/ImmutableSortedMultisetFauxverideShim.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/SortedIterable.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/Count.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/ImmutableSortedMultiset.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/ForwardingSortedMultiset.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/SortedIterables.java
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jar/com/google/common/collection/RangeSet.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/AbstractRangeSet.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/RegularImmutableSortedMultiset.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/GeneralRange.java

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* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
  jar/com/google/common/collection/ForwardingSortedMap.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
  jar/com/google/common/collection/AbstractListMultimap.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
  jar/com/google/common/collection/BiMap.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
  jar/com/google/common/collection/EnumBiMap.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
  jar/com/google/common/collection/ForwardingConcurrentMap.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
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* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
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  jar/com/google/common/collection/ClassToInstanceMap.java
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* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
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* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collect/LinkedListMultimap.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collect/AbstractBiMap.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collect/UsingToStringOrdering.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collect/Multimaps.java
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* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collect/ReverseNaturalOrdering.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collect/ExplicitOrdering.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collect/ImmutableList.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collect/LexicographicalOrdering.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collect/ForwardingQueue.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collect/NullsFirstOrdering.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collect/ForwardingObject.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collect/ImmutableObject.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collect/Iterators.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collect/ForwardingIterator.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collect/ForwardingSet.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collect/AbstractMapEntry.java
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* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collect/ComparatorOrdering.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collect/NullsLastOrdering.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collect/Maps.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/HashMultiset.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/guava-23-0-sources-1-
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* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/guava-23-0-sources-1-
jar/com/google/common/collection/ImmutableSet.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/guava-23-0-sources-1-
jar/com/google/common/collection/ArrayListMultimap.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/guava-23-0-sources-1-
jar/com/google/common/collection/Multimap.java
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* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/guava-23-0-sources-1-
jar/com/google/thirdparty/publicsuffix/TrieParser.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/guava-23-0-sources-1-
jar/com/google/common/io/MultiReader.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/guava-23-0-sources-1-
jar/com/google/common/primitives/Bytes.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/guava-23-0-sources-1-
jar/com/google/common/base/Stopwatch.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/guava-23-0-sources-1-
jar/com/google/common/primitives/Floats.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/guava-23-0-sources-1-
jar/com/google/common/escape/UnicodeEscaper.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/guava-23-0-sources-1-
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* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/guava-23-0-sources-1-
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* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/guava-23-0-sources-1-
jar/com/google/common/primitives/Ints.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/guava-23-0-sources-1-
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jar/com/google/common/escape/ArrayBasedEscaperMap.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collect/DenseImmutableTable.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collect/Cut.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/io/ByteArrayDataInput.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/escape/ArrayBasedUnicodeEscaper.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/reflect/TypeResolver.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collect/MapMaker.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/annotations/GwtCompatible.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/annotations/GwtIncompatible.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/util/concurrent/AbstractService.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/primitives/UnsignedBytes.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/base/Platform.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/util/concurrent/ForwardingFuture.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/html/HtmlEscapers.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/io/ByteArrayDataOutput.java

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* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/hash/Striped64.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/cache/Striped64.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/cache/LongAdder.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/util/concurrent/AtomicDoubleArray.java
* version.
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  jar/com/google/common/base/ExtraObjectsMethodsForWeb.java
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  jar/com/google/common/collection/ImmutableSortedAsList.java
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  jar/com/google/common/primitives/ImmutableDoubleArray.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
  jar/com/google/common/primitives/ImmutableLongArray.java
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* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collect/Queues.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/math/BigIntegerMath.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/math/package-info.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/math/DoubleMath.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/net/HostAndPort.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/net/HttpHeaders.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/math/DoubleUtils.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/cache/LoadingCache.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/hash/Hasher.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/math/Hasher.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/reflect/Types.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/cache/LoadingCache.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/hash/Murmur3_128HashFunction.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1.jar/com/google/common/net/MediaType.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1.jar/com/google/common/hash/Crc32cHashFunction.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1.jar/com/google/common/cache/ForwardingCache.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1.jar/com/google/common/hash/HashFunction.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1.jar/com/google/common/hash/AbstractHasher.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1.jar/com/google/common/math/MathPreconditions.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1.jar/com/google/common/collection/DescendingImmutableSortedMultiset.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1.jar/com/google/common/cache/CacheLoader.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1.jar/com/google/common/collection/RegularImmutableMultiset.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1.jar/com/google/common/util/concurrent/ForwardingExecutorService.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1.jar/com/google/common/cache/CacheStats.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1.jar/com/google/common/collection/TreeRangeSet.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1.jar/com/google/common/hash/AbstractStreamingHasher.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1.jar/com/google/common/hash/MessageDigestHashFunction.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1.jar/com/google/common/hash/Hashing.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1.jar/com/google/common/cache/RemovalListeners.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1.jar/com/google/common/util/concurrent/ForwardingListeningExecutorService.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1.jar/com/google/common/primitives/UnsignedLong.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1.jar/com/google/common/hash/Funnels.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1.jar/com/google/common/util/concurrent/UncheckedExecutionException.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1.jar/com/google/common/cache/package-info.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1.jar/com/google/common/hash/HashingOutputStream.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1.jar/com/google/common/base/Present.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1.jar/com/google/common/hash/BloomFilter.java
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 *
 * As of 2010/06/11, this method is identical to the (package private) hash method in OpenJDK 7's
 * java.util.HashMap class.
 */

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* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/SortedMapDifference.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/ForwardingImmutableCollection.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/AbstractSequentialIterator.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/MinMaxPriorityQueue.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/RowSortedTable.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/ForwardingListMultimap.java
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jar/com/google/common/io/ByteSink.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/io/CharSource.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
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  jar/com/google/common/reflect/package-info.java
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  jar/com/google/common/math/PairedStats.java
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  jar/com/google/common/primitives/Primitives.java
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  jar/com/google/common/eventbus/AllowConcurrentEvents.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
  jar/com/google/common/base/FinalizableReference.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
  jar/com/google/common/base/package-info.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
  jar/com/google/common/base/Objects.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
  jar/com/google/common/base/FinalizableReferenceQueue.java
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  jar/com/google/common/io/MultiInputStream.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
  jar/com/google/common/base/AbstractIterator.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
  jar/com/google/common/io/Files.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
  jar/com/google/common/eventbus/package-info.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
  jar/com/google/common/eventbus/Subscribe.java
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jar/com/google/common/util/concurrent/AbstractCatchingFuture.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/io/AppendableWriter.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/escape/CharEscaperBuilder.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/util/concurrent/UncheckedTimeoutException.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/util/concurrent/FluentFuture.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/util/concurrent/FuturesGetChecked.java
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* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/util/concurrent/GwtFluentFutureCatchingSpecialization.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/util/concurrent/GwtFuturesCatchingSpecialization.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/reflect/TypeToken.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/util/concurrent/ImmediateFuture.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/annotations/VisibleForTesting.java
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  jar/com/google/common/base/PatternCompiler.java
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  jar/com/google/common/base/CommonPattern.java
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* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/util/concurrent/ThreadFactoryBuilder.java
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* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/hash/HashingInputStream.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/util/concurrent/Runnables.java
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* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/eventbus/Dispatcher.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/eventbus/SubscriberRegistry.java
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* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/util/concurrent/TrustedListenableFutureTask.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/base/MoreObjects.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/eventbus/Subscriber.java

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* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collection/RegularImmutableMap.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collection/Table.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/thirdparty/publicsuffix/PublicSuffixPatterns.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collection/SingletonImmutableBiMap.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collection/HashBasedTable.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collection/StandardTable.java

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 */
/**
 * Outer class that exists solely to let us write {@code Partially.GwtIncompatible} instead of plain
 * {@code GwtIncompatible}. This is more accurate for {@link Futures#catching}, which is available
 * under GWT but with a slightly different signature.
 *
 * We can't use {@code PartiallyGwtIncompatible} because then the GWT compiler wouldn't recognize
 * it as a {@code GwtIncompatible} annotation. And for {@code Futures.catching}, we need the GWT
 * compiler to autostrip the normal server method in order to expose the special, inherited GWT
 * version.
 */

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  jar/com/google/common/collect/LinkedHashMultimapGwtSerializationDependencies.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
  jar/com/google/common/graph/GraphBuilder.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
  jar/com/google/common/graph/NetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
  jar/com/google/common/graph/AbstractValueGraph.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
  jar/com/google/common/graph/CollectCollectors.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
  jar/com/google/common/graph/ElementOrder.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
  jar/com/google/common/graph/MoreCollectors.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
  jar/com/google/common/graph/ConfigurableNetwork.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
  jar/com/google/common/graph/MapRetrievalCache.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
  jar/com/google/common/graph/MapIteratorCache.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
  jar/com/google/common/graph/ConfigurableMutableValueGraph.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
  jar/com/google/common/graph/UndirectedMultiNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
  jar/com/google/common/collect/Comparators.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/graph/AbstractUndirectedNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/graph/UndirectedGraphConnections.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/graph/AbstractGraphBuilder.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/graph/DirectedMultiNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/graph/MutableValueGraph.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/graph/ForwardingGraph.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/graph/AbstractDirectedNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/graph/GraphConnections.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/graph/DirectedGraphConnections.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/graph/GraphConstants.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/graph/MultiEdgesConnecting.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/graph/ConfigurableValueGraph.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/graph/ConfigurableMutableGraph.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/graph/UndirectedNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/graph/AbstractNetwork.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/ImmutableMultisetGwtSerializationDependencies.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/ValueGraph.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/RangeGwtSerializationDependencies.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/HashMapGwtSerializationDependencies.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/ConfigurableMutableNetwork.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/DirectedNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/EndpointPairIterator.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/HashMapGwtSerializationDependencies.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/ConfigurableMutableNetwork.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/DirectedNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/EndpointPair.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/graph/ImmutableValueGraph.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/graph/EdgesConnecting.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/graph/ForwardingNetwork.java

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* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/FilteredKeyListMultimap.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/FilteredKeySetMultimap.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/ForwardingDeque.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/RegularImmutableAsList.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/ForwardingBlockingDeque.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/DescendingMultiset.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/collection/FilteredEntryMultimap.java
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jar/com/google/common/collection/FilteredMultimap.java
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jar/com/google/common/collection/BinaryTreeTraverser.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/util/concurrent/ForwardingBlockingDeque.java
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jar/com/google/common/collection/FilteredEntrySetMultimap.java
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* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/util/concurrent/AggregateFutureState.java
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jar/com/google/common/util/concurrent/AsyncCallable.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/hash/LittleEndianByteArray.java
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jar/com/google/common/hash/MacHashFunction.java
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jar/com/google/common/util/concurrent/InterruptibleTask.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-
jar/com/google/common/util/concurrent/Platform.java
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jar/com/google/common/hash/FarmHashFingerprint64.java

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* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collection/ImmutableEnumSet.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collection/ImmutableTable.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collection/ImmutableSortedSetFauxVerideShim.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collection/ComputationException.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collection/EmptyImmutableSetMultimap.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collection/DiscreteDomain.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collection/ImmutableSortedMap.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collection/RegularImmutableSortedSet.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collection/ImmutableAsList.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collection/ImmutableClassToInstanceMap.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collection/ForwardingTable.java
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* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/io/MoreFiles.java
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collection/MultimapBuilder.java
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/*
* This method was rewritten in Java from an intermediate step of the Murmur hash function in
* http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
* following header:
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*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1051802754_1591913217.54/0/guava-23-0-sources-1-jar/com/google/common/collection/Hashing.java

1.2532 tomcat-embed-el 8.5.23
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Eclipse Public License - v 1.0
Eclipse Collections API
Eclipse Collections Main Library

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1.2536 diffutils 3.6 1
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1.2543 pax-transx-jms 0.4.0

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    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:text>&#10;</xsl:text>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest"/>
      </xsl:call-template>
    </xsl:if>
  </xsl:template>

  <xsl:variable name="isc.copyright.text">
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  </xsl:variable>
</xsl:stylesheet>
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Automated Testing Framework

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clarify this fact.

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

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

* atf-c/ui.c: The format_paragraph and format_text functions were
derived form the ones in the Monotone project, revision
3a0982da308228d796df35f98d787c5cff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

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

Author: Julio Merino <jmmv84@gmail.com>

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

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The End

1.2552 concurrentlinkedhashmap-lru 1.4.2

1.2553 git 2.22.0-r0

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1.2557 jackson-module-jaxb-annotations 2.9.6

1.2558 findutils 4.6.0+git+20190209 2

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1.2562 jetty-webapp 9.4.17.v20190418

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* java.sun.security.ssl

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org.ow2.asm:asm-commons
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org.apache.tomcat:tomcat-jasper
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org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
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org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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org.eclipse.jetty.toolchain:jetty-schemas

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  jar/com/google/common/collection/PeekingIterator.java
* /opt/ws_local/PERMITS_SQL/1017612447_1591363157.05/0/google-collections-0-9-sources-
  jar/com/google/common/collection/ImmutableCollection.java
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  jar/com/google/common/collection/UnmodifiableAbstractMap.java
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  jar/com/google/common/collection/ImmutableMultiset.java
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  jar/com/google/common/collection/ImmutableEntry.java
* /opt/ws_local/PERMITS_SQL/1017612447_1591363157.05/0/google-collections-0-9-sources-
  jar/com/google/common/collection/ImmutableBiMap.java

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* /opt/ws_local/PERMITS_SQL/1017612447_1591363157.05/google-collections-0-9-sources-jar/com/google/common/collect/ImmutableSet.java
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* /opt/ws_local/PERMITS_SQL/1017612447_1591363157.05/google-collections-0-9-sources-jar/com/google/common/collect/LinkedHashMultimap.java
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1.2574 cas-server-core-services-api 5.2.0

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1.2576 proto-google-common-protos 1.16.0

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# Constant-time SSSE3 AES core implementation.
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##
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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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

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

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This option is useful when you wish to copy part of the code of
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medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
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compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
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However, linking a "work that uses the Library" with the Library
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library". The executable is therefore covered by this License.
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Whether this is true is especially significant if the work can be
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threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
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Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General
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We call this license the "Lesser" General Public License because it does less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

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

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

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

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*
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1.2606 jetty-io 9.4.8.v20171121

1.2607 deltaspike-partial-bean-module-impl 1.8.1
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/**
 * DriversLicense POJO.
 *
 * @author Sam Brannen
 * @since 3.0
 */
public class DriversLicense {

    private Long id;
private Long number;

public DriversLicense() {
}

public DriversLicense(Long number) {
    this(null, number);
}

public DriversLicense(Long id, Long number) {
    this.id = id;
    this.number = number;
}

public Long getId() {
    return this.id;
}

protected void setId(Long id) {
    this.id = id;
}

public Long getNumber() {
    return this.number;
}

public void setNumber(Long number) {
    this.number = number;
}

<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE hibernate-mapping PUBLIC "-//Hibernate/Hibernate Mapping DTD//EN"
"https://hibernate.org/dtd/hibernate-mapping-3.0.dtd">

<hibernate-mapping auto-import="true" default-lazy="false">

<class name="org.springframework.test.context.junit4.orm.domain.DriversLicense" table="drivers_license">
    <id name="id" column="id">
        <generator class="identity" />
    </id>

    <property name="number" column="license_number" />
</class>

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import javax.persistence.Entity;
import javax.persistence.Id;
import javax.persistence.Table;

@Entity
@Table(name="DRIVERS_LICENSE")
public class DriversLicense {

@Id
private int id;

private String serial_number;

protected DriversLicense() {
}

public DriversLicense(String serialNumber) {
this.serial_number = serialNumber;
}

public String getSerialNumber() {
return serial_number;
}

}

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

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You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software
Also add information on how to contact you by electronic and paper mail.

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

Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

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

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

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

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

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Version 2, June 1991

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Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

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

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change
free software—to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

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

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

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

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

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

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs
(which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

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

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library’s complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

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

   a) The modified work must itself be a software library.

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

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

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

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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

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

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

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

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

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

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

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

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

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.
6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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

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

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

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.
It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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<one line to give the library's name and a brief idea of what it does.>
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Also add information on how to contact you by electronic and paper mail.

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

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

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

That's all there is to it!

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1.2614.1 Available under license:
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Files: src/udev/udev-ctrl.c
    src/udev/udevadm-hwdb.c
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    src/udev/udev-builtin-net_id.c
    src/udev/udev-builtin-net_setup_link.c
    src/udev/udev-builtin-hwdb.c
    src/udev/udev-builtin-btrfs.c
    src/udev/net/link-config.h
    src/udev/net/link-config.c
    src/udev/net/ethtool-util.c
    src/udev/net/ethtool-util.h
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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License
Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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

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

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application. Therefore, Subsection 2d requires that any
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1.2632 javax-ws-rs-api 2.0.1
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1.2637 netty-handler 4.1.45

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1.2638 rfc8528-model-api 2.1.11

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1.2657 spring-boot-starter-websocket 1.5.8

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1.2659 tdb 1.44.1-1ubuntu1.3

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This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

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Ty Coon, President of Vice

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1.2662 libjpeg 8c

1.2662.1 Notifications:
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README for release 6b of 27-Mar-1998

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

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Serious users of this software (particularly those incorporating it into larger programs) should contact IJG at jpeg-info@uunet.uu.net to be added to our electronic mailing list. Mailing list members are notified of updates.
and have a chance to participate in technical discussions, etc.

This software is the work of Tom Lane, Philip Gladstone, Jim Boucher, Lee Crocker, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Guido Vollbeding, Ge’ Weijers, and other members of the Independent JPEG Group.

IJG is not affiliated with the official ISO JPEG standards committee.

DOCUMENTATION ROADMAP
=======================

This file contains the following sections:

OVERVIEW     General description of JPEG and the IJG software.
LEGAL ISSUES  Copyright, lack of warranty, terms of distribution.
REFERENCES    Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
RELATED SOFTWARE Other stuff you should get.
FILE FORMAT WARS Software *not* to get.
TO DO        Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:
install.doc How to configure and install the IJG software.
usage.doc Usage instructions for cjpeg, djpeg, jpegtran,
   rdjpgcom, and wrjpgcom.
*.1 Unix-style man pages for programs (same info as usage.doc).
wizard.doc Advanced usage instructions for JPEG wizards only.
change.log  Version-to-version change highlights.

Programmer and internal documentation:
libjpeg.doc How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
structure.doc Overview of the JPEG library's internal structure.
filelist.doc Road map of IJG files.
coderules.doc Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.
OVERVIEW
========

This package contains C software to implement JPEG image compression and decompression. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images. JPEG is intended for compressing "real-world" scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits. However, on typical photographic images, very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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ansi2knr.c is NOT covered by the above copyright and conditions, but instead
by the usual distribution terms of the Free Software Foundation; principally,
that you must include source code if you redistribute it. (See the file
ansi2knr.c for full details.) However, since ansi2knr.c is not needed as part
of any program generated from the IJG code, this does not limit you more than
the foregoing paragraphs do.

The Unix configuration script "configure" was produced with GNU Autoconf.
It is copyright by the Free Software Foundation but is freely distributable.
The same holds for its supporting scripts (config.guess, config.sub,
lconfig, ltmain.sh). Another support script, install-sh, is copyright
by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by
patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot
legally be used without obtaining one or more licenses. For this reason,
support for arithmetic coding has been removed from the free JPEG software.
(Since arithmetic coding provides only a marginal gain over the unpatented
Huffman mode, it is unlikely that very many implementations will support it.)
So far as we are aware, there are no patent restrictions on the remaining
code.

The IJG distribution formerly included code to read and write GIF files.
To avoid entanglement with the Unisys LZW patent, GIF reading support has
been removed altogether, and the GIF writer has been simplified to produce
"uncompressed GIFs". This technique does not use the LZW algorithm; the
resulting GIF files are larger than usual, but are readable by all standard
GIF decoders.

We are required to state that
"The Graphics Interchange Format(c) is the Copyright property of
CompuServe Incorporated. GIF(sm) is a Service Mark property of
CompuServe Incorporated."

REFERENCES
============

We highly recommend reading one or more of these references before trying to
understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is
Wallace, Gregory K. "The JPEG Still Picture Compression Standard".
A somewhat less technical, more leisurely introduction to JPEG can be found in “The Data Compression Book” by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...


The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging $95 for Part 1 and $47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision
1.02. A copy of the JFIF spec is available from:
Literature Department
C-Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035
phone (408) 944-6300, fax (408) 944-6314
A PostScript version of this document is available by FTP at
ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text
version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing
the figures.

The TIFF 6.0 file format specification can be obtained by FTP from
found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems.
IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6).
Instead, we recommend the JPEG design proposed by TIFF Technical Note #2
(Compression tag 7). Copies of this Note can be obtained from ftp.sgi.com or
from ftp://ftp.uu.net/graphics/jpeg/. It is expected that the next revision
of the TIFF spec will replace the 6.0 JPEG design with the Note's design.
Although IJG's own code does not support TIFF/JPEG, the free libtiff library
uses our library to implement TIFF/JPEG per the Note. libtiff is available

ARCHIVE LOCATIONS
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The "official" archive site for this software is ftp.uu.net (Internet
address 192.48.96.9). The most recent released version can always be found
there in directory graphics/jpeg. This particular version will be archived
as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't have
direct Internet access, UUNET's archives are also available via UUCP; contact
help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only
ftp.uu.net is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from
the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or
on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12
"JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net
release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of
general information about JPEG. It is updated constantly and therefore is
not included in this distribution. The FAQ is posted every two weeks to
Usenet newsgroups comp.graphics.misc, news.answers, and other groups.
It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/
If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body
send usenet/news.answers/jpeg-faq/part1
send usenet/news.answers/jpeg-faq/part2

RELATED SOFTWARE
===============

Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/.
Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford, is available from ftp://havefun.stanford.edu/pub/jpeg/. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

FILE FORMAT WARS
================

Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of
additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don’t use a proprietary file format!

TO DO
=====

The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.
* authors: Paul.Russell@rustcorp.com.au and mneuling@radlogic.com.au
*
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*along with this program; if not, write to the Free Software
*Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
*/

/*
Currently, only support for specifying hardware addresses for Ethernet
is available.
This tool is not luser-proof: you can specify an Ethernet source address
and set hardware length to something different than 6, f.e.
*/

1.2664 c-ares 1.15.0 r0
1.2664.1 Available under license:
# c-ares license

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1.2665.1 Available under license:

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Brics Automaton (under core/src/java/org/apache/lucene/util/automaton) is
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The levenshtein automata tables (under core/src/java/org/apache/lucene/util/automaton) were
automatically generated with the moman/finenight FSA library, created by
Jean-Philippe Barrette-LaPierre. This library is available under an MIT license,
see http://sites.google.com/site/rrettesite/moman and
http://bitbucket.org/jpbarrette/moman/overview/

The class org.apache.lucene.util.WeakIdentityMap was derived from
the Apache CXF project and is Apache License 2.0.

The Google Code Prettify is Apache License 2.0.
See http://code.google.com/p/google-code-prettify/

JUnit (junit-4.10) is licensed under the Common Public License v. 1.0
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The snowball stemmers in
analysis/common/src/java/net/sf/snowball
were developed by Martin Porter and Richard Boulton.
The snowball stopword lists in
analysis/common/src/resources/org/apache/lucene/analysis/snowball
were developed by Martin Porter and Richard Boulton. The full snowball package is available from 
http://snowball.tartarus.org/

The KStem stemmer in
analysis/common/src/org/apache/lucene/analysis/en
was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst) under the BSD-license.

The Arabic, Persian, Romanian, Bulgarian, and Hindi analyzers (common) come with a default 
stopword list that is BSD-licensed created by Jacques Savoy. These files reside in: 
analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt

The German, Spanish, Finnish, French, Hungarian, Italian, Portuguese, Russian and Swedish light stemmers 
(common) are based on BSD-licensed reference implementations created by Jacques Savoy and 
Ljiljana Dolamic. These files reside in:
analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
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1.2671 sudo 1.8.23-r2

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Ackeret, Matt
Adler, Mark
Allbery, Russ
Anderson, Jamie
Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
Benali, Elias
Beverly, Jamie
Peschel, Aaron
Peslyak, Alexander
Peterson, Toby
Petten, Diego Elio
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Rasch, Gudleik
Reid, Steve
Richards, Matt
Rossum, Guido van
Rouillard, John P.
Rowe, William A., Jr.
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Tucker, Darren
Uhl, Robert
Uzel, Petr
Valery, Reznic
Van Dinter, Theo
Venckus, Martynas
de Vries, Maarten
The following people have worked to translate sudo into other languages:

Blittermann, Mario
Bogusz, Jakub
Buo-ren, Lin
Casagrande, Milo
Castro, Felipe
Cho, Seong-ho
Chernoivan, Yuri
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Hufthammer, Karl Ove
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Marchal, Frederic
Margievius, Algimantas
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Nylander, Daniel
Psa, Petr
Putanec, Boidar
1.2672 spring-boot-starter-tomcat 2.1.4

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From network_io/unix/inet_ntop.c, network_io/unix/inet_ntop.c:

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From dso/aix/dso.c:

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From strings/apr_strnatcmp.c, include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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<code>Replaceable</code> is an interface representing a string of characters that supports the replacement of a range of
itself with a new string of characters. It is used by APIs that change a piece of text while retaining metadata. Metadata is data other than the Unicode characters returned by char32At(). One example of metadata is style attributes; another is an edit history, marking each character with an author and revision number.

<p>An implicit aspect of the <code>Replaceable</code> API is that during a replace operation, new characters take on the metadata of the old characters. For example, if the string "the <b>bold</b> font" has range (4, 8) replaced with "strong", then it becomes "the <b>strong</b> font".</p>

<p><code>Replaceable</code> specifies ranges using a start offset and a limit offset. The range of characters thus specified includes the characters at offset start..limit-1. That is, the start offset is inclusive, and the limit offset is exclusive.</p>

<p><code>Replaceable</code> also includes API to access characters in the string: <code>length()</code>, <code>charAt()</code>, <code>char32At()</code>, and <code>extractBetween()</code>.</p>

<p>For a subclass to support metadata, typical behavior of <code>replace()</code> is the following:</p>

<ul>
  <li>Set the metadata of the new text to the metadata of the first character replaced</li>
  <li>If no characters are replaced, use the metadata of the previous character</li>
  <li>If there is no previous character (i.e. start == 0), use the following character</li>
  <li>If there is no following character (i.e. the replaceable was empty), use default metadata</li>
  <li>If the code point U+FFFF is seen, it should be interpreted as a special marker having no metadata</li>
</ul>

If this is not the behavior, the subclass should document any differences.

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@author Alan Liu
@stable ICU 2.0

<code>ReplaceableString</code> is an adapter class that implements the <code>Replaceable</code> API around an ordinary <code>StringBuffer</code>. 

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Note: This class does not support attributes and is not intended for general use. Most clients will need to implement [Replaceable] in their text representation class.

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@see Replaceable
@author Alan Liu
@stable ICU 2.0

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import java.io.Serializable;

/**
 * Legacy security code; do not use.
 */
public abstract class Permission implements Guard, Serializable {
    public Permission(String name) {
    }

    public final String getName() { return null; }

    public void checkGuard(Object obj) throws SecurityException {
    }

    public PermissionCollection newPermissionCollection() {
        return new AllPermissionCollection();
    }

    public abstract String getActions();

    public abstract boolean implies(Permission permission);
}

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Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)
@end enumerate

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
count compilation and installation of the executable. However, as a
special exception, the source code distributed need not include
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If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the ``copyright'' line and a pointer to where the full notice is found.

@example
one line to give the program's name and a brief idea of what it does.

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Also add information on how to contact you by electronic and paper mail.

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

@example
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.

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The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and
@samp{show c}; they could even be mouse-clicks or menu items---whatever suits your program.

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

@example
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end example

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Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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

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

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under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

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

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

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

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

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)
Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
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with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
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Library will not necessarily be able to recompile the application
to use the modified definitions.)

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

c) Accompany the work with a written offer, valid for at
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specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
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specified materials from the same place.

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

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

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<unsignedature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

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#*STARTUP: showall

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.2713 apache-karaf-shell-console 4.2.2

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1.2714 telnetd-x 2.1.1

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1.2715 semantic ui 2.2.10

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1.2716 ncurses 6.1_p20190518-r2
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1.2717 libgcrypt 1.7.6 2+deb9u3

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GNUPGRmi Guyomarch 1999-05-25
Assigns past and future changes. (g10/compress.c, g10/enr-data.c,
g10/free-packet.c, g10/mdfilter.c, g10/plaintext.c, util/iobuf.c)
rguyom@mail.dotcom.fr

ANY g10 Code GmbH 2001-06-07
Assignment for future changes terminated on 2012-12-04.
Code marked with ChangeLog entries of g10 Code employees.

LIBGCRYPT Timo Schulz 2001-08-31
Assigns past and future changes.
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LIBGCRYPT Simon Josefsson 2002-10-25
Assigns past and future changes to FSF (cipher/{md4,crc}.c, CTR mode,
CTS/MAC flags, self test improvements)
simon@josefsson.org

LIBGCRYPT Moritz Schulte 2003-04-17
Assigns past and future changes.
moritz@g10code.com

GNUTLS Nikolaos Mavrogiannopoulos 2003-11-22
nmav@gnutls.org
Original code for cipher/rfc2268.c.

LIBGCRYPT The Written Word 2005-04-15
Assigns past and future changes. (new: src/libgcrypt.pc.in,
src/Makefile.am, src/secmem.c, mpi/hppa1.1/mpih-mul3.S,
mpi/hppa1.1/udiv-qrrnd.S, mpi/hppa1.1/mpih-mul2.S,
mpi/hppa1.1/mpih-mul1.S, mpi/Makefile.am, tests/prime.c,
tests/register.c, tests/ac.c, tests/basic.c, tests/tsexp.c,
tests/keygen.c, tests/pubkey.c, configure.ac, acinclude.m4)

LIBGCRYPT      Brad Hards      2006-02-09
Assigns Past and Future Changes
bradh@frogmouth.net
(Added OFB mode. Changed cipher/cipher.c, test/basic.c doc/gcrypt.tex.
added SHA-224, changed cipher/sha256.c, added HMAC tests.)

LIBGCRYPT      Hye-Shik Chang   2006-09-07
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(SEED cipher)

LIBGCRYPT      Werner Dittmann  2009-05-20
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(mpi/amd64, tests/mpitests.c)

GNUPG          David Shaw
Assigns past and future changes.
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(cipher/camellia-glue.c and related stuff)

LIBGCRYPT      Andrey Jivsov    2010-12-09
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(cipher/ecc.c and related files)

LIBGCRYPT      Ulrich Mller    2012-02-15
Assigns Past and Future Changes
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(Changes to cipher/idea.c and related files)

LIBGCRYPT      Vladimir Serbinenko  2012-04-26
Assigns Past and Future Changes
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(cipher/serpent.c)

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More credits

Libgcrypt used to be part of GnuPG but has been taken out into its own package on 2000-12-21.

Most of the stuff in mpi has been taken from an old GMP library version by Torbjorn Granlund <tege@noisy.tmg.se>.

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The ECC code cipher/ecc.c was based on code by Sergi Blanch i Torne, sergi at calcurco dot org.

The implementation of the Camellia cipher has been taken from the original NTT provided GPL source.

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From strings/apr_fnmatch.c, include/apr_fnmatch.h, misc/unix/getopt.c, file_io/unix/mktemp.c, strings/apr_strings.c:

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From network_io/unix/inet_ntop.c, network_io/unix/inet_pton.c:

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From dso/aix/dso.c:

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From strings/apr_strnatcmp.c, include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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From strings/apr_snprintf.c:

*  
* cvt - IEEE floating point formatting routines.  
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1.2772 python-defaults 2.7.15~rc1-1

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This is the Debian GNU/Linux prepackaged version of the Python programming language. Python was written by Guido van Rossum <guido@cwi.nl> and others.

This package was put together by Klee Dienes <klee@debian.org> from sources from ftp.python.org:/pub/python, based on the Debianization by the previous maintainers Bernd S. Brentrup <bsb@uni-muenster.de> and
A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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1.2777 pac4j-http 2.1.0

1.2778 antlr 3.5.2.v201711011707

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# Jackson JSON processor

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

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1.2810 jackson-module-parameter-names

2.10.2

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1.2812 pax-jdbc-pool-aries 1.3.1

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" Vim syntax file
" Language:Software Distributor product specification file
" (POSIX 1387.2-1995).
" Maintainer:Rex Barzee <rex_barzee@hp.com>
" Last change:25 Apr 2001

" quit when a syntax file was already loaded
if exists("b:current_syntax")
  finish
endif

" Product specification files are case sensitive
syn case match

syn keyword psfObject bundle category control_file depot distribution
syn keyword psfObject end file files set host installed_software media
syn keyword psfObject product root subproduct vendor

syn match psfUnquotString +[^# ]([^#]+)+ contained
syn region psfQuotString start=+"+ skip=+\"+ end=+"+ contained

syn match psfObjTag "\<\[-_+A-Z0-9a-z]\+[\(\[-_+A-Z0-9a-z]\]\)+\>" contained
syn match psfAttAbbrev "\<\[fa\|fr\][aclqrv]\[<|>|<=|>=|==\][\^,]+\>" contained
syn match psfObjTags "\<\[-_+A-Z0-9a-z]\+[\(\[-_+A-Z0-9a-z]\]\)+\>\(\s+\<\[-_+A-Z0-9a-z]\[\(\[-_+A-Z0-9a-z]\]\)+\>\)" contained

syn match psfNumber "\<\d+\>" contained
syn match psfFloat "\<\d+\>\(\d+\)\." contained

syn match psfLongDate "\<\d\d\d\d\d\d\d\d\d\d\d\d\d\d\d\>" contained

syn keyword psfState available configured corrupt installed transient contained
syn keyword psfPState applied committed superseded contained

syn keyword psfBoolean false true contained

"Some of the attributes covered by attUnquotString and attQuotString:
" architecture category_tag control_directory copyright
" create_date description directory file_permissions install_source
" install_type location machine_type mod_date number os_name os_release
" os_version pose_as_os_name pose_as_os_release readme revision
" share_link title vendor_tag
syn region psfAttUnquotString matchgroup=psfAttrib start=-^[^# ]+[^[^# ]-rs=e-1
contains=psfUnquotString,psfComment end=-$- keepend oneline

syn region psfAttQuotString matchgroup=psfAttrib start=-^[# ]+[^[# ]-rs=e-1
These regions are defined in attempt to do syntax checking for some of the attributes.

```
syn region psfAttTag matchgroup=psfAttrib start="^\s*tag\s\+" contains=psfObjTag.psfsComment end="$" keepend oneline

syn region psfAttSpec matchgroup=psfAttrib start="^\s*(ancestor|applied_patches|applied_to|contents|corequisites|exrequisites|prerequisites|software_spec|supersedes|superseded_by)\s\+" contains=psfObjTag,psfAttAbbrev,psfComment end="$" keepend

syn region psfAttTags matchgroup=psfAttrib start="^\s*all_filesets\s\+" contains=psfObjTags,psfComment end="$" keepend

syn region psfAttNumber matchgroup=psfAttrib start="^\s*(compressed_size|instance_id|media_sequence_number|sequence_number|size)\s\+" contains=psfNumber,psfComment end="$" keepend oneline

syn region psfAttTime matchgroup=psfAttrib start="^\s*(create_time|ctime|mod_time|mtime|timestamp)\s\+" contains=psfNumber,psfComment end="$" keepend oneline

syn region psfAttFloat matchgroup=psfAttrib start="^\s*(data_model_revision|layout_version)\s\+" contains=psfFloat,psfComment end="$" keepend oneline

syn region psfAttLongDate matchgroup=psfAttrib start="^\s*install_date\s\+" contains=psfLongDate,psfComment end="$" keepend oneline

syn region psfAttState matchgroup=psfAttrib start="^\s*(state)\s\+" contains=psfState,psfComment end="$" keepend oneline

syn region psfAttPState matchgroup=psfAttrib start="^\s*(patch_state)\s\+" contains=psfPState,psfComment end="$" keepend oneline

syn region psfAttBoolean matchgroup=psfAttrib start="^\s*(is_kernel|is_locatable|is_patch|is_protected|is_reboot|is_reference|is_secure|is_sparse)\s\+" contains=psfBoolean,psfComment end="$" keepend oneline

syn match  psfComment "\.#.*$"
```

Define the default highlighting.

Only when an item doesn't have highlighting yet

```
hi def link psfObject Statement
hi def link psfAttrib Type
hi def link psfQuotString String
hi def link psfObjTag Identifier
```
"Long descriptions and copyrights confuse the syntax highlighting, so
"force vim to backup at least 100 lines before the top visible line
"looking for a sync location.
syn sync lines=100

let b:current_syntax = "psf"

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Version 2.1, February 1999

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That's all there is to it!
*uganda.txt* For Vim version 8.1. Last change: 2018 May 17

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- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.
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==============================================================================
Kibaale Children's Centre *kcc* *Kibaale* *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

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

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

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

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

*donate*

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

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

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

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

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

Sending money:*iccf-donations*

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

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

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

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

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

Europe: Use a bank transfer if possible. Your bank should have a form
that you can use for this. See "Others" below for the swift
code and IBAN number.
Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:
The e-mail address for sending the money to is:
Bram@iccf-holland.org
For amounts above 400 Euro ($500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:
Postbank, account 4548774
Swift code: INGB NL 2A
IBAN: NL95 INGB 0004 5487 74
under the name "stichting ICCF Holland", Lisse
If that doesn't work:
Rabobank Lisse, account 3765.05.117
Swift code: RABO NL 2U
under the name "Bram Moolenaar", Lisse
Otherwise, send a check in euro or US dollars to the address below. Minimal amount: $70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:
Bram Moolenaar
Finsterruetihof 1
8134 Adliswil
Switzerland

This address is expected to be valid for a long time.

vim:tw=78:ts=8:et:
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Arnaud LE HORS  BULL Research FRANCE -- Koala Project
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1.2818 jetcd-core 0.0.2
1.2818.1 Available under license :
// Generated by the protocol buffer compiler. DO NOT EDIT!
// source: auth.proto

package com.coreos.jetcd.api;
public final class Permission extends com.google.protobuf.GeneratedMessageV3 implements // @@protoc_insertion_point(message_implements:authpb.Permission)
PermissionOrBuilder {
private static final long serialVersionUID = 0L;
// Use Permission.newBuilder() to construct.
private Permission() {
permType_ = 0;
key_ = com.google.protobuf.ByteString.EMPTY;
rangeEnd_ = com.google.protobuf.ByteString.EMPTY;
}

@Override
public final com.google.protobuf.UnknownFieldSet getUnknownFields() {
return this.unknownFields;
}
private Permission(com.google.protobuf.CodedInputStream input,
com.google.protobuf.ExtensionRegistryLite extensionRegistry)
throws com.google.protobuf.InvalidProtocolBufferException {
this();
if (extensionRegistry == null) {
throw new java.lang.NullPointerException();
}
int mutable_bitField0_ = 0;
com.google.protobuf.UnknownFieldSet.Builder unknownFields =
com.google.protobuf.UnknownFieldSet.newBuilder();
try {
boolean done = false;
while (!done) {
int tag = input.readTag();
switch (tag) {
case 0:
    done = true;
    break;
default: {
    if (!parseUnknownFieldProto3(}
input, unknownFields, extensionRegistry, tag)) {
    done = true;
}
break;
}
case 8: {
    int rawValue = input.readEnum();

    permType_ = rawValue;
    break;
}
case 18: {
    key_ = input.readBytes();
    break;
}
case 26: {
    rangeEnd_ = input.readBytes();
    break;
}
} catch (com.google.protobuf.InvalidProtocolBufferException e) {
    throw e.setUnfinishedMessage(this);
} catch (java.io.IOException e) {
    throw new com.google.protobuf.InvalidProtocolBufferException(e).setUnfinishedMessage(this);
}
finally {
    this.unknownFields = unknownFields.build();
    makeExtensionsImmutable();
}
}

public static final com.google.protobuf.Descriptors.Descriptor
    getDescriptor() {
    return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_descriptor;
}

protected com.google.protobuf.GeneratedMessageV3.FieldAccessorTable
    internalGetFieldAccessorTable() {
    return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_fieldAccessorTable
            .ensureFieldAccessorsInitialized(
                com.coreos.jetcd.api.Permission.class, com.coreos.jetcd.api.Permission.Builder.class);
}

/**
 * Protobuf enum @code authpb.Permission.Type
 */
public enum Type
    implements com.google.protobuf.ProtocolMessageEnum {

    /**
     * <code>READ = 0;</code>
     */
    READ(0),

    /**
     * <code>WRITE = 1;</code>
     */
    WRITE(1),

    /**
     * <code>READWRITE = 2;</code>
     */
    READWRITE(2),

    UNRECOGNIZED(-1),
    ;

    /**
     * <code>READ = 0;</code>
     */
    public static final int READ_VALUE = 0;

    /**
     * <code>WRITE = 1;</code>
     */
    public static final int WRITE_VALUE = 1;

    /**
     * <code>READWRITE = 2;</code>
     */
    public static final int READWRITE_VALUE = 2;

    public final int getNumber() {
        if (this == UNRECOGNIZED) {
            throw new java.lang.IllegalArgumentException(
                "Can't get the number of an unknown enum value.");
        }
        return value;
    }

    /**
     * @deprecated Use {@link #forNumber(int)} instead.
     */
    @java.lang.Deprecated
    public static Type valueOf(int value) {
        return forNumber(value);
    }

    public static Type forNumber(int value) {

        public final int getNumber() {
            if (this == UNRECOGNIZED) {
                throw new java.lang.IllegalArgumentException(
                    "Can't get the number of an unknown enum value.");
            }
            return value;
        }

        /**
         * @deprecated Use {@link #forNumber(int)} instead.
         */
        @java.lang.Deprecated
        public static Type valueOf(int value) {
            return forNumber(value);
        }

        public static Type forNumber(int value) {

    }
switch (value) {
    case 0: return READ;
    case 1: return WRITE;
    case 2: return READWRITE;
    default: return null;
}

public static com.google.protobuf.Internal.EnumLiteMap<Type>
    internalGetValueMap() {
    return internalValueMap;
}

private static final com.google.protobuf.Internal.EnumLiteMap<Type> internalValueMap =
    new com.google.protobuf.Internal.EnumLiteMap<Type>() {
        public Type findValueByNumber(int number) {
            return Type.forNumber(number);
        }
    };

public final com.google.protobuf.Descriptors.EnumValueDescriptor
    getValueDescriptor() {
    return getDescriptor().getValues().get(ordinal());
}

public final com.google.protobuf.Descriptors.EnumDescriptor
    getDescriptorForType() {
    return getDescriptor();
}

public static final com.google.protobuf.Descriptors.EnumDescriptor
    getDescriptor() {
    return com.coreos.jetcd.api.Permission.getDescriptor().getEnumTypes().get(0);
}

private static final Type[] VALUES = values();

public static Type valueOf(
    com.google.protobuf.Descriptors.EnumValueDescriptor desc) {
    if (desc.getType() != getDescriptor()) {
        throw new java.lang.IllegalArgumentException("EnumValueDescriptor is not for this type.");
    }
    if (desc.getIndex() == -1) {
        return UNRECOGNIZED;
    }
    return VALUES[desc.getIndex()];
}

private final int value;
private Type(int value) {
    this.value = value;
}

// @@protoc_insertion_point(enum_scope:authpb.Permission.Type)
}

public static final int PERMTYPE_FIELD_NUMBER = 1;
private int permType_;
/**
 * <code>.authpb.Permission.Type permType = 1;</code>
 */
public int getPermTypeValue() {
    return permType_;
}
/**
 * <code>.authpb.Permission.Type permType = 1;</code>
 */
public com.coreos.jetcd.api.Permission.Type getPermType() {
    com.coreos.jetcd.api.Permission.Type result = com.coreos.jetcd.api.Permission.Type.valueOf(permType_);
    return result == null ? com.coreos.jetcd.api.Permission.Type.UNRECOGNIZED : result;
}

public static final int KEY_FIELD_NUMBER = 2;
private com.google.protobuf.ByteString key_;
/**
 * <code>bytes key = 2;</code>
 */
public com.google.protobuf.ByteString getKey() {
    return key_;
}

public static final int RANGE_END_FIELD_NUMBER = 3;
private com.google.protobuf.ByteString rangeEnd_;
/**
 * <code>bytes range_end = 3;</code>
 */
public com.google.protobuf.ByteString getRangeEnd() {
    return rangeEnd_;
}

private byte memoizedIsInitialized = -1;
public final boolean isInitialized() {
    byte isInitialized = memoizedIsInitialized;
    if (isInitialized == 1) return true;
    if (isInitialized == 0) return false;
memoizedIsInitialized = 1;
return true;
}

public void writeTo(com.google.protobuf.CodedOutputStream output)
throws java.io.IOException {
if (permType_ != com.coreos.jetcd.api.Permission.Type.READ.getNumber()) {
    output.writeEnum(1, permType_);
}
if (!key_.isEmpty()) {
    output.writeBytes(2, key_);
}
if (!rangeEnd_.isEmpty()) {
    output.writeBytes(3, rangeEnd_);
}
unknownFields.writeTo(output);
}

public int getSerializedSize() {
    int size = memoizedSize;
    if (size != -1) return size;

    size = 0;
    if (permType_ != com.coreos.jetcd.api.Permission.Type.READ.getNumber()) {
        size += com.google.protobuf.CodedOutputStream
            .computeEnumSize(1, permType_);
    }
    if (!key_.isEmpty()) {
        size += com.google.protobuf.CodedOutputStream
            .computeBytesSize(2, key_);
    }
    if (!rangeEnd_.isEmpty()) {
        size += com.google.protobuf.CodedOutputStream
            .computeBytesSize(3, rangeEnd_);
    }
    size += unknownFields.getSerializedSize();
    memoizedSize = size;
    return size;
}

@java.lang.Override
public boolean equals(final java.lang.Object obj) {
    if (obj == this) {
        return true;
    }
    if (!(obj instanceof com.coreos.jetcd.api.Permission)) {
        return super.equals(obj);
    }
    return false;
}
boolean result = true;
result = result && permType_ == other.permType_;
result = result && getKey()
    .equals(other.getKey());
result = result && getRangeEnd()
    .equals(other.getRangeEnd());
result = result && unknownFields.equals(other.unknownFields);
return result;
}

@Override
public int hashCode() {
if (memoizedHashCode != 0) {
    return memoizedHashCode;
}
int hash = 41;
hash = (19 * hash) + getDescriptor().hashCode();
hash = (37 * hash) + PERMTYPE_FIELD_NUMBER;
hash = (53 * hash) + permType_;
hash = (37 * hash) + KEY_FIELD_NUMBER;
hash = (53 * hash) + getKey().hashCode();
hash = (37 * hash) + RANGE_END_FIELD_NUMBER;
hash = (53 * hash) + getRangeEnd().hashCode();
hash = (29 * hash) + unknownFields.hashCode();
memoizedHashCode = hash;
return hash;
}

public static com.coreos.jetcd.api.Permission parseFrom(
    java.nio.ByteBuffer data)
    throws com.google.protobuf.InvalidProtocolBufferException {
return PARSER.parseFrom(data);
}

public static com.coreos.jetcd.api.Permission parseFrom(
    java.nio.ByteBuffer data,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
    throws com.google.protobuf.InvalidProtocolBufferException {
return PARSER.parseFrom(data, extensionRegistry);
}

public static com.coreos.jetcd.api.Permission parseFrom(
    com.google.protobuf.ByteString data)
    throws com.google.protobuf.InvalidProtocolBufferException {
return PARSER.parseFrom(data);
}

public static com.coreos.jetcd.api.Permission parseFrom(
    com.google.protobuf.ByteString data,
    com.google.protobuf.ExtensionRegistry extensionRegistry)
    throws com.google.protobuf.InvalidProtocolBufferException {
return PARSER.parseFrom(data, extensionRegistry);
}
com.google.protobuf.ExtensionRegistryLite extensionRegistry)
throws com.google.protobuf.InvalidProtocolBufferException {
return PARSER.parseFrom(data, extensionRegistry);
}
public static com.coreos.jetcd.api.Permission parseFrom(byte[] data)
  throws com.google.protobuf.InvalidProtocolBufferException {
return PARSER.parseFrom(data);
}
public static com.coreos.jetcd.api.Permission parseFrom(
    byte[] data,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
throws com.google.protobuf.InvalidProtocolBufferException {
return PARSER.parseFrom(data, extensionRegistry);
}
public static com.coreos.jetcd.api.Permission parseFrom(java.io.InputStream input)
  throws java.io.IOException {
return com.google.protobuf.GeneratedMessageV3
       .parseWithIOException(PARSER, input);
}
public static com.coreos.jetcd.api.Permission parseFrom(
    java.io.InputStream input,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
throws java.io.IOException {
return com.google.protobuf.GeneratedMessageV3
       .parseWithIOException(PARSER, input, extensionRegistry);
}
public static com.coreos.jetcd.api.Permission parseDelimitedFrom(java.io.InputStream input)
  throws java.io.IOException {
return com.google.protobuf.GeneratedMessageV3
       .parseDelimitedWithIOException(PARSER, input);
}
public static com.coreos.jetcd.api.Permission parseDelimitedFrom(
    java.io.InputStream input,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
throws java.io.IOException {
return com.google.protobuf.GeneratedMessageV3
       .parseDelimitedWithIOException(PARSER, input, extensionRegistry);
}
public static com.coreos.jetcd.api.Permission parseFrom(
    com.google.protobuf.CodedInputStream input)
throws java.io.IOException {
return com.google.protobuf.GeneratedMessageV3
       .parseWithIOException(PARSER, input);
}
public static com.coreos.jetcd.api.Permission parseFrom(
    com.google.protobuf.CodedInputStream input,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
throws java.io.IOException {

public Builder newBuilderForType() { return newBuilder(); }
public static Builder newBuilder() {
    return DEFAULT_INSTANCE.toBuilder();
}
public static Builder newBuilder(com.coreos.jetcd.api.Permission prototype) {
    return DEFAULT_INSTANCE.toBuilder().mergeFrom(prototype);
}
public Builder toBuilder() {
    return this == DEFAULT_INSTANCE
            ? new Builder() : new Builder().mergeFrom(this);
}

@java.lang.Override
protected Builder newBuilderForType(
    Builder builder = new Builder(parent);
    return builder;
}
/**
 * Permission is a single entity
 */
public static final class Builder extends
    com.google.protobuf.GeneratedMessageV3.Builder<Builder> implements
    // @@protoc_insertion_point(builder_implements:authpb.Permission)
com.coreos.jetcd.api.PermissionOrBuilder {

generated static final com.google.protobuf.Descriptors.Descriptor
    getDescriptor() {
    return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_descriptor;
}
protected com.google.protobuf.GeneratedMessageV3.FieldAccessorTable
    internalGetFieldAccessorTable() {
    return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_fieldAccessorTable;
}

protected com.google.protobuf.GeneratedMessageV3.FieldAccessorTable
    internalGetFieldAccessorTable() {
    return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_fieldAccessorTable;
  .ensureFieldAccessorsInitialized(
    com.coreos.jetcd.api.Permission.class, com.coreos.jetcd.api.Permission.Builder.class);
}

// Construct using com.coreos.jetcd.api.Permission.newBuilder()
private Builder() {
    maybeForceBuilderInitialization();
private Builder(
  super(parent);
  maybeForceBuilderInitialization();
}
private void maybeForceBuilderInitialization() {
  if (com.google.protobuf.GeneratedMessageV3
      .alwaysUseFieldBuilders) {
  }
}
public Builder clear() {
  super.clear();
  permType_ = 0;

  key_ = com.google.protobuf.ByteString.EMPTY;

  rangeEnd_ = com.google.protobuf.ByteString.EMPTY;

  return this;
}

public com.google.protobuf.Descriptors.Descriptor
  getDescriptorForType() {
  return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_descriptor;
}

public com.coreos.jetcd.api.Permission
  getDefaultInstanceForType() {
  return com.coreos.jetcd.api.Permission.getDefaultInstance();
}

public com.coreos.jetcd.api.Permission
  build() {
  com.coreos.jetcd.api.Permission result = buildPartial();
  if (!result.isInitialized()) {
    throw newUninitializedMessageException(result);
  }
  return result;
}

public com.coreos.jetcd.api.Permission
  buildPartial() {
  com.coreos.jetcd.api.Permission result = new com.coreos.jetcd.api.Permission(this);
  result.permType_ = permType_;                   
  result.key_ = key_;                            
  result.rangeEnd_ = rangeEnd_;                  
  onBuilt();
  return result;
}
public Builder clone() {
    return (Builder) super.clone();
}

public Builder setField(
    com.google.protobuf.Descriptors.FieldDescriptor field,
    java.lang.Object value) {
    return (Builder) super.setField(field, value);
}

public Builder clearField(
    com.google.protobuf.Descriptors.FieldDescriptor field) {
    return (Builder) super.clearField(field);
}

public Builder clearOneof(
    com.google.protobuf.Descriptors.OneofDescriptor oneof) {
    return (Builder) super.clearOneof(oneof);
}

public Builder setRepeatedField(
    com.google.protobuf.Descriptors.FieldDescriptor field,
    int index, java.lang.Object value) {
    return (Builder) super.setRepeatedField(field, index, value);
}

public Builder addRepeatedField(
    com.google.protobuf.Descriptors.FieldDescriptor field,
    java.lang.Object value) {
    return (Builder) super.addRepeatedField(field, value);
}

public Builder mergeFrom(com.google.protobuf.Message other) {
    if (other instanceof com.coreos.jetcd.api.Permission) {
        return mergeFrom((com.coreos.jetcd.api.Permission)other);
    } else {
        super.mergeFrom(other);
        return this;
    }
}

public Builder mergeFrom(com.coreos.jetcd.api.Permission other) {
    if (other == com.coreos.jetcd.api.Permission.getDefaultInstance()) return this;
    if (other.permType_ != 0) {
        setPermTypeValue(other.getPermTypeValue());
    }
    if (other.getKey() != com.google.protobuf.ByteString.EMPTY) {
        setKey(other.getKey());
    }
    if (other.getRangeEnd() != com.google.protobuf.ByteString.EMPTY) {
        setRangeEnd(other.getRangeEnd());
    }
    this.mergeUnknownFields(other.unknownFields);
}

public Builder mergeFrom(com.coreos.jetcd.api.Permission other) {
    // Merge fields from other
    if (other == com.coreos.jetcd.api.Permission.getDefaultInstance()) return this;
    if (other.permType_ != 0) {
        setPermTypeValue(other.getPermTypeValue());
    }
    if (other.getKey() != com.google.protobuf.ByteString.EMPTY) {
        setKey(other.getKey());
    }
    if (other.getRangeEnd() != com.google.protobuf.ByteString.EMPTY) {
        setRangeEnd(other.getRangeEnd());
    }
    this.mergeUnknownFields(other.unknownFields);
}
onChanged();
return this;
}

public final boolean isInitialized() {
return true;
}

public Builder mergeFrom(
    com.google.protobuf.CodedInputStream input,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
throws java.io.IOException {
com.coreos.jetcd.api.Permission parsedMessage = null;
try {
parsedMessage = PARSER.parsePartialFrom(input, extensionRegistry);
} catch (com.google.protobuf.InvalidProtocolBufferException e) {
parsedMessage = (com.coreos.jetcd.api.Permission) e.getUnfinishedMessage();
throw e.unwrapIOException();
} finally {
if (parsedMessage != null) {
    mergeFrom(parsedMessage);
}
}
return this;
}

private int permType_ = 0;
/**
* <code>.authpb.Permission.Type permType = 1;</code>
*/
public int getPermTypeValue() {
return permType_;
}
/**
* <code>.authpb.Permission.Type permType = 1;</code>
*/
public Builder setPermTypeValue(int value) {
    permType_ = value;
onChanged();
return this;
}
/**
* <code>.authpb.Permission.Type permType = 1;</code>
*/
public com.coreos.jetcd.api.Permission.Type getPermType() {
    com.coreos.jetcd.api.Permission.Type result = com.coreos.jetcd.api.Permission.Type.valueOf(permType_);
    return result == null ? com.coreos.jetcd.api.Permission.Type.UNRECOGNIZED : result;
}
public Builder setPermType(com.coreos.jetcd.api.Permission.Type value) {
    if (value == null) {
        throw new NullPointerException();
    }
    permType_ = value.getNumber();
    onChanged();
    return this;
}

public Builder clearPermType() {
    permType_ = 0;
    onChanged();
    return this;
}


public com.google.protobuf.ByteString getKey() {
    return key_;}

public Builder setKey(com.google.protobuf.ByteString value) {
    if (value == null) {
        throw new NullPointerException();
    }
    key_ = value;
    onChanged();
    return this;
}

public Builder clearKey() {
    key_ = getDefaultInstance().getKey();
    onChanged();
}
return this;
}

/**
 * <code>bytes range_end = 3;</code>
 */
public com.google.protobuf.ByteString getRangeEnd() {
    return rangeEnd_;
}
/**
 * <code>bytes range_end = 3;</code>
 */
public Builder setRangeEnd(com.google.protobuf.ByteString value) {
    if (value == null) {
        throw new NullPointerException();
    }
    rangeEnd_ = value;
    onChanged();
    return this;
}
/**
 * <code>bytes range_end = 3;</code>
 */
public Builder clearRangeEnd() {
    rangeEnd_ = getDefaultInstance().getRangeEnd();
    onChanged();
    return this;
}

public final Builder setUnknownFields(final com.google.protobuf.UnknownFieldSet unknownFields) {
    return super.setUnknownFieldsProto3(unknownFields);
}

public final Builder mergeUnknownFields(final com.google.protobuf.UnknownFieldSet unknownFields) {
    return super.mergeUnknownFields(unknownFields);
}

// @@protoc_insertion_point(builder_scope:authpb.Permission)
}

// @@protoc_insertion_point(class_scope:authpb.Permission)
private static final com.coreos.jetcd.api.Permission DEFAULT_INSTANCE;
static {

DEFAULT_INSTANCE = new com.coreos.jetcd.api.Permission();
}

public static com.coreos.jetcd.api.Permission getDefaultInstance() {
    return DEFAULT_INSTANCE;
}

private static final com.google.protobuf.Parser<Permission>
    PARSER = new com.google.protobuf.AbstractParser<Permission>() {
        public Permission parsePartialFrom(
            com.google.protobuf.CodedInputStream input,
            com.google.protobuf.ExtensionRegistryLite extensionRegistry)
            throws com.google.protobuf.InvalidProtocolBufferException {
            return new Permission(input, extensionRegistry);
        }
    };

public static com.google.protobuf.Parser<Permission> parser() {
    return PARSER;
}

@java.lang.Override
public com.google.protobuf.Parser<Permission> getParserForType() {
    return PARSER;
}

public com.coreos.jetcd.api.Permission getDefaultInstanceForType() {
    return DEFAULT_INSTANCE;
}

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 */

package com.coreos.jetcd.auth;
import com.coreos.jetcd.data.ByteSequence;

/**
 * represents a permission over a range of keys.
 */
public class Permission {

private final Type permType;
private final ByteSequence key;
private final ByteSequence rangeEnd;

public enum Type {
    READ,
    WRITE,
    READWRITE,
    UNRECOGNIZED,
}

public Permission(Type permType, ByteSequence key, ByteSequence rangeEnd) {
    this.permType = permType;
    this.key = key;
    this.rangeEnd = rangeEnd;
}

/**
 * returns the type of Permission: READ, WRITE, READWRITE, or UNRECOGNIZED.
 */
public Type getPermType() {
    return permType;
}

public ByteSequence getKey() {
    return key;
}

public ByteSequence getRangeEnd() {
    return rangeEnd;
}

}
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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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1.2851 python 2.7.15 r2

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.. highlightlang:: none

.. _history-and-license:

*******************
History and License
*******************

History of the software
========================

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl/) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us/) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation; see http://www.zope.com/). In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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Mersenne Twister
-------------

The `mod:` `random` module includes code based on a download from
The following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26. Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed) or init_by_array(init_key, key_length).

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http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html
email: m-mat @ math.sci.hiroshima-u.ac.jp (remove space)
Asynchronous socket services

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

The `socket` module uses the functions, `getaddrinfo` and `getnameinfo`, which are coded in separate source files from the WIDE Project, http://www.wide.ad.jp/.

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

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UUencode and UUdecode functions
----------------------------------

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with Python standard

XML Remote Procedure Calls

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

The :mod:`xmlrpc.client` module contains the following notice::

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test_epoll

-------

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Select kqueue
-------------

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The file `Python/pyhash.c` contains Marek Majkowski' implementation of Dan Bernstein's SipHash24 algorithm. It contains the following note:

```mit
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Original location:

https://github.com/majek/csiphash/

Solution inspired by code from:

- Samuel Neves (supercop/crypto_auth/siphash24/little)
- djb (supercop/crypto_auth/siphash24/little2)
- Jean-Philippe Aumasson (https://131002.net/siphash/siphash24.c)

The file `Python/dtoa.c`, which supplies C functions dtoa and strtod for conversion of C doubles to and from strings, is derived from the file of the same name by David M. Gay, currently available from http://www.netlib.org/fp/. The original file, as retrieved on March 16, 2009, contains the following copyright and licensing notice:

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-------

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--------
The implementation of the hash table used by the :mod:`tracemalloc` is based on the cfuhash project:

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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<th>Derived from</th>
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<th>Owner</th>
<th>GPL-compatible? (1)</th>
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1.2855 alpn-api 1.1.2.v20150522

1.2856 jsr-173 1.0

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1.2862 cas-server-core-web 5.2.0

1.2863 netty 4.1.43
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1.2864 lwip 1.4.1

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*
* This file is part of the lwIP TCP/IP stack.
*
* Author: Adam Dunkels <adam@sics.se>
*
*/

1.2865 libbsd 0.9.1-r0

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# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=5
pkgdesc="A library for high-performance 2D graphics"
url="http://www.levien.com/libart/
arch="all"
license="LGPL"
depends=
makedepends=
subpackages="$pkgname-dev"

_builddir="$srcdir/libart_lgpl-$pkgver"

prepare() {
    cd "/builddir"
    update_config_sub || return 1
}
build() {
    cd "/builddir"
    ./configure \
    --build=$CBUILD \
    --host=$CHOST \
    --prefix=/usr \
    || return 1
    make || return 1
}
package() {
  cd "$_builddir"
  make DESTDIR="$pkgdir" install || return 1
  rm "$pkgdir"/usr/lib/*.la
}

md5sums="08559ff3c67fd95d57b0c5e91a6b4302  libart_lgpl-2.3.21.tar.bz2"

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pkgname=perl-software-license
__pkgreal=Software-License
pkgver=0.103004
pkgrel=0
pkgdesc="packages that provide templated software licenses"
url="http://search.cpan.org/dist/Software-License/
arch="noarch"
license="GPL PerlArtistic"
cpandepends="perl-text-template perl-data-section perl-sub-install"
cpanmakedepends=""
depends="$cpandepends"
makedepends="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/R/RJ/RJBS/$__pkgreal-$pkgver.tar.gz"

__builddir=$srcdir/$__pkgreal-$pkgver"

prepare() {
cd "$__builddir"
export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
cd "$__builddir"
export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
make && make test
}

package() {
cd "$__builddir"
make DESTDIR="$pkgdir" install || return 1
find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}
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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free
In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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and what the program that uses the Library does.

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is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library
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The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS
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The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

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b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical
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1.2892 curl 7.66.0-r0
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==================
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1.2894 opencensus-api 0.10.0

1.2895 xnio-api 3.3.8
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1.2896 zipkin-reporter 2.5.0

1.2897 jackson-databind 2.10.1
1.2897.1 Available under license :
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### 1.2898 spring-context 5.1.6

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package org.springframework.core;

```
public interface AliasRegistry {

/**
 * Given a name, register an alias for it.
 * @param name the canonical name
 * @param alias the alias to be registered
 * @throws IllegalStateException if the alias is already in use
 * and may not be overridden
 */
void registerAlias(String name, String alias);

/**
 * Remove the specified alias from this registry.
 * @param alias the alias to remove
 * @throws IllegalStateException if no such alias was found
 */
void removeAlias(String alias);

/**
 * Determine whether this given name is defines as an alias
 * (as opposed to the name of an actually registered component).
 * @param name the name to check
 * @return whether the given name is an alias
 */
boolean isAlias(String name);

/**
 * Return the aliases for the given name, if defined.
 * @param name the name to check for aliases
 * @return the aliases, or an empty array if none
 */
String[] getAliases(String name);

}

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

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* java.sun.security.ssl

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http://openjdk.java.net/legal/gplv2+ce.html
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org.ow2.asm:asm-commons
org.ow2.asm:asm

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

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
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org.eclipse.jetty.toolchain:jetty-schemas
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```
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@end smallexample
```

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

.. note::

This documentation is outdated. There are several other DVB contributors that aren't listed below.

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- Michael Hunold <m.hunold@gmx.de>

- for the initial saa7146 driver and its recent overhaul

- Christian Theiss

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- for the nxt2004 frontend driver

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  single nxt200x frontend driver.

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The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

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with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

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

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

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

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

Note that it is possible for a library to be covered by the ordinary
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(which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work
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"Source code" for a work means the preferred form of the work for
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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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

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

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

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* org.eclipse.jetty.orbit:javax.security.auth.message

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

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Oracle

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

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

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Oracle OpenJDK

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* java.sun.security.ssl

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

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OW2

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

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Apache

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

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MortBay

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

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

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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

1.2956 errors 8842a6e0c

1.2957 asm 5.2

1.2958 disruptor 3.3.7

1.2959 argparse 0.7.0

1.2959.1 Available under license:

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Eclipse

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

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

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

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

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

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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OW2

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

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Apache

The following artifacts are ASL2 licensed.

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

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MortBay

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

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

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by
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This package is used for testing builds of ncurses.

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

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

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

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

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

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

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

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

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

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

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
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Library is used in it and that the Library and its use are covered by
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of these things:

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

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

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

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

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

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

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

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

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

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

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

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portion of it, either verbatim or with modifications and/or translated
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included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for
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covered by this License; they are outside its scope. The act of
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a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices
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c) You must cause the whole of the work to be licensed at no
charge to all third parties under the terms of this License.

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

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

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

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

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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under the terms of Sections 1 and 2 above provided that you accompany
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6. As an exception to the Sections above, you may also compile or
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Sections 1 and 2 above); and, if the work is an executable linked
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uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
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Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m68[034]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of
Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.
Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=6
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"
options="!check"  # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2"

builddir="$srcdir/libart_lgpl-$pkgver"

prepare() {
    update_config_sub
    default_prepare
}

build() {
    ./configure \
    --build=$CBUILD \n    --host=$CHOST \n    --prefix=/usr 
    make
}

package() {
    make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ee2f5a57e36d182b325b46513765425e5f17ff9ae326af1b133725beba28f7e76654309e001aee9bace727b5b4c8589405256a3c020  libart_lgpl-2.3.21.tar.bz2"

# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_p pkgname=flake8-copyright
pkgver=0.2.2
pkgrel=1
pkgdesc="Extension for flake8 which checks for copyrights"
option="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir/$_pkgname-$pkgver"
replaces="py-flake8-copyright" # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility
build() {
    python3 setup.py build
}
package() {
    python3 setup.py install --prefix=/usr --root="$pkgdir"
}
sha512sums="8ade49f386e67d14e4b826946b947454cf2502ff249a9ab1d359f61fa42ebc2b17dd465708894cf82ffd153f0be1bed746464220d40d9d4dc1b07940ec280f28  flake8-copyright-0.2.2.tar.gz"
/*
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 */
# Automatically generated by apkbuild-cpan, template 1
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Valery Kartel <valery.kartel@gmail.com>
pkgname=perlb-bsd-resource
(pkgrel=BSD-Resource
pkgver=1.2911
pkgrel=4
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource"
arch="all"
license="GPL-1.0-or-later OR Artistic-1.0-Perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/$pkgreal-$pkgver.tar.gz"

builddir="$srcdir/$pkgreal-$pkgver"

prepare() {
default_prepare

export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
make
}

check() {
make test
}

package() {
make DESTDIR="$pkgdir" install
find "$pkgdir" \(! -name perllocal.pod -o -name .packlist \) -delete
}

sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16
dfa5417f663b8065ba6f4fea16dc9262728b3b6b85  BSD-Resource-1.2911.tar.gz"

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pkgname=spdx-licenses
pkgver=3.7
pkgrel=0
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check"
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="Spkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in $_types; do
    subpackages="$subpackages $pkgname-$type:_subpkg"
done

build() {
    cd "$builddir"
}

package() {
    mkdir -p "$pkgdir"
1.3001 bouncy-castle 1.62
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Protocol Buffers for Go with Gadgets

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package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;

public abstract class ClusterPermission extends Permission {

    private int hashcode;

    public ClusterPermission(String name) {
        super(name);
    }

    @Override
    public PermissionCollection newPermissionCollection() {
        return new ClusterPermissionCollection(getClass());
    }

    @Override
    public int hashCode() {
        if (hashcode == 0) {
            final int prime = 31;
            int result = 1;
            if (getName() == null) {
                result = prime * result + 13;
            } else {
                result = prime * result + getName().hashCode();
            }
            hashcode = result;
        }
        return hashcode;
    }

    @Override
    public boolean equals(Object obj) {
        if (this == obj) {
            return true;
        }
        if (obj == null) {
            return false;
        }
        if (obj instanceof ClusterPermission) {
            ClusterPermission other = (ClusterPermission) obj;
            if (getName() == null ? other.getName() != null
                    : !getName().equals(other.getName())) {
                return false;
            }
            return true;
        }
        return false;
    }
}

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if (getClass() != obj.getClass()) {
    return false;
}

ClusterPermission other = (ClusterPermission) obj;
if (getName() == null && other.getName() != null) {
    return false;
}
if (!getName().equals(other.getName())) {
    return false;
}
return true;
}

package com.hazelcast.security.permission;

public class CachePermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN;

    public CachePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                mask = mask | ALL;
            }
        }
        return mask;
    }

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     */
return ALL;
}

if (ActionConstants.ACTION_CREATE.equals(action)) {
    mask |= CREATE;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
} else if (ActionConstants.ACTION_PUT.equals(action)) {
    mask |= PUT;
} else if (ActionConstants.ACTION_REMOVE.equals(action)) {
    mask |= REMOVE;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
} else if (ActionConstants.ACTION_LISTEN.equals(action)) {
    mask |= LISTEN;
}
}
return mask;
}

package com.hazelcast.security.permission;

public class ListPermission extends InstancePermission {

    private static final int ADD = 4;
    private static final int READ = 8;
    private static final int REMOVE = 16;
    private static final int LISTEN = 32;
    private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

    public ListPermission(String name, String... actions) {
        super(name, actions);
    }

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     * limitations under the License.
     */
@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
    }
    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_ADD.equals(action)) {
        mask |= ADD;
    } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
        mask |= REMOVE;
    } else if (ActionConstants.ACTION_READ.equals(action)) {
        mask |= READ;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
        mask |= LISTEN;
    }
    return mask;
}
*/

package com.hazelcast.security.permission;

/**
 * To be able to map-reduce from a client in a secure environment
 */
public class MapReducePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public MapReducePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }

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    package com.hazelcast.security.permission;

    public class PNCounterPermission extends InstancePermission {

        private static final int READ = 4;
        private static final int MODIFY = 8;

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        package com.hazelcast.security.permission;

        public class PNCounterPermission extends InstancePermission {

            private static final int READ = 4;
            private static final int MODIFY = 8;

            /*
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private static final int ALL = READ | MODIFY | CREATE | DESTROY;

public PNCounterPermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
            mask |= MODIFY;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        }
    }

    return mask;
}

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 */

package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;
public final class AllPermissions extends ClusterPermission {

    public AllPermissions() {
        super("<all permissions>");
    }

    @Override
    public boolean implies(Permission permission) {
        return true;
    }

    @Override
    public String getActions() {
        return "<all actions>";
    }

    @Override
    public PermissionCollection newPermissionCollection() {
        return new AllPermissionsCollection();
    }

    @Override
    public String toString() {
        return "<allow all permissions>"
    }

    @Override
    public boolean equals(Object obj) {
        return obj instanceof AllPermissions;
    }

    @Override
    public int hashCode() {
        return 111;
    }

    public static final class AllPermissionsCollection extends PermissionCollection {
        private static final AllPermissions ALL_PERMISSIONS = new AllPermissions();
        private boolean all;

        public AllPermissionsCollection() {
        }

        public AllPermissionsCollection(boolean all) {
            this.all = all;
        }
    }
}
@Override
public void add(Permission permission) {
    if (permission instanceof AllPermissions) {
        all = true;
    }
}

@Override
public boolean implies(Permission permission) {
    return all;
}

@Override
public Enumeration<Permission> elements() {
    return new Enumeration<Permission>() {
        boolean more = all;

        @Override
        public boolean hasMoreElements() {
            return more;
        }

        @Override
        public Permission nextElement() {
            more = false;
            return ALL_PERMISSIONS;
        }
    };
}

@Override
public int hashCode() {
    return all ? 13 : -13;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    AllPermissionsCollection other = (AllPermissionsCollection) obj;
    return all == other.all;
}
package com.hazelcast.security.permission;

public class FlakeIdGeneratorPermission extends InstancePermission {

    private static final int MODIFY = 4;

    private static final int ALL = MODIFY | CREATE | DESTROY;

    public FlakeIdGeneratorPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            } else if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            }
        }
        return mask;
    }
}
package com.hazelcast.security.permission;

public class SetPermission extends ListPermission {

    public SetPermission(String name, String... actions) {
        super(name, actions);
    }

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    package com.hazelcast.security.permission;
import java.security.Permission;

public class TransactionPermission extends ClusterPermission {

    public TransactionPermission() {
        super("<transaction>");
    }

    @Override
    public boolean implies(Permission permission) {
        return getClass() == permission.getClass();
    }

    @Override
    public String getActions() {
        return "transaction";
    }
}

package com.hazelcast.security.permission;

import java.security.Permission;

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 */

public class ConfigPermission extends ClusterPermission {

    private static final String CONFIG_PERMISSION_NAME = "<config>";
    private static final String CONFIG_PERMISSION_ACTIONS = "config";

    public ConfigPermission() {
        private static final String CONFIG_PERMISSION_NAME = "<config>";
        private static final String CONFIG_PERMISSION_ACTIONS = "config";

        public ConfigPermission() {

    }
super(CONFIG_PERMISSION_NAME);
}

@Override
public boolean implies(Permission permission) {
    return getClass() == permission.getClass();
}

@Override
public String getActions() {
    return CONFIG_PERMISSION_ACTIONS;
}
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 */

package com.hazelcast.security.permission;

public class LockPermission extends InstancePermission {

    private static final int LOCK = 4;
    private static final int READ = 8;
    private static final int ALL = CREATE | DESTROY | LOCK | READ;

    public LockPermission(String key, String... actions) {
        super(key, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
        }
        return mask;
    }
}
if (ActionConstants.ACTION_CREATE.equals(action)) {
    mask |= CREATE;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
} else if (ActionConstants.ACTION_LOCK.equals(action)) {
    mask |= LOCK;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
}

return mask;
}
*/

package com.hazelcast.security.permission;

public class ScheduledExecutorPermission
    extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public ScheduledExecutorPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            mask |= ACCESS.valueOf(action);
        }

        return mask;
    }

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     */
if (ActionConstants.ACTION_ALL.equals(action)) {
    return ALL;
}

if (ActionConstants.ACTION_CREATE.equals(action)) {
    mask |= CREATE;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
} else if (ActionConstants.ACTION_MODIFY.equals(action)) {
    mask |= MODIFY;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
}

return mask;

package com.hazelcast.security.permission;

public class QueuePermission extends InstancePermission {

    private static final int ADD = 4;
    private static final int READ = 8;
    private static final int REMOVE = 16;
    private static final int LISTEN = 32;
    private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

    public QueuePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_ADD.equals(action)) {
            mask |= ADD;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
            mask |= REMOVE;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        }
    }
    return mask;
}

package com.hazelcast.security.permission;

public class MapPermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;

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     */

    // Code for MapPermission class
private static final int LOCK = 64;
private static final int INDEX = 128;
private static final int INTERCEPT = 256;
private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX | INTERCEPT;

public MapPermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_PUT.equals(action)) {
            mask |= PUT;
        } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
            mask |= REMOVE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        } else if (ActionConstants.ACTION_LOCK.equals(action)) {
            mask |= LOCK;
        } else if (ActionConstants.ACTION_INDEX.equals(action)) {
            mask |= INDEX;
        } else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
            mask |= INTERCEPT;
        }
    }
    return mask;
}

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 */
package com.hazelcast.security.permission;

public class TopicPermission extends InstancePermission {

    private static final int PUBLISH = 4;
    private static final int LISTEN = 8;
    private static final int ALL = CREATE | DESTROY | LISTEN | PUBLISH;

    public TopicPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_PUBLISH.equals(action)) {
                mask |= PUBLISH;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
                mask |= LISTEN;
            }
        }
        return mask;
    }
}

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 */
package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Collections;
import java.util.Enumeration;
import java.util.HashSet;
import java.util.Iterator;
import java.util.Set;

public class ClusterPermissionCollection extends PermissionCollection {

    final Set<Permission> perms = new HashSet<Permission>();
    final Class<? extends Permission> permClass;

    public ClusterPermissionCollection() {
        permClass = null;
    }

    public ClusterPermissionCollection(Class<? extends Permission> permClass) {
        this.permClass = permClass;
    }

    @Override
    public void add(Permission permission) {
        if (isReadOnly()) {
            throw new SecurityException("ClusterPermissionCollection is read-only!");
        }
        boolean shouldAdd = (permClass != null && permClass.equals(permission.getClass()))
                           || (permission instanceof ClusterPermission);
        if (shouldAdd && !implies(permission)) {
            perms.add(permission);
        }
    }

    public void add(PermissionCollection permissions) {
        if (isReadOnly()) {

}
throw new SecurityException("ClusterPermissionCollection is read-only!");
}
if (permissions instanceof ClusterPermissionCollection) {
    for (Permission p : ((ClusterPermissionCollection) permissions).perms) {
        add(p);
    }
}
}

@Override
public boolean implies(Permission permission) {
    for (Permission p : perms) {
        if (p.implies(permission)) {
            return true;
        }
    }
    return false;
}

public void compact() {
    if (isReadOnly()) {
        throw new SecurityException("ClusterPermissionCollection is read-only!");
    }
    final Iterator<Permission> iter = perms.iterator();
    while (iter.hasNext()) {
        final Permission perm = iter.next();
        boolean implies = false;
        for (Permission p : perms) {
            if (p != perm && p.implies(perm)) {
                implies = true;
                break;
            }
        }
        if (implies) {
            iter.remove();
        }
    }
    setReadOnly();
}

@Override
public Enumeration<Permission> elements() {
    return Collections.enumeration(perms);
}

public Set<Permission> getPermissions() {
    return Collections.unmodifiableSet(perms);
}
package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public class DenyAllPermissionCollection extends PermissionCollection {

    public DenyAllPermissionCollection() {
    }

    @Override
    public void add(Permission permission) {
    }

    @Override
    public boolean implies(Permission permission) {
        return false;
    }

    @Override
    public Enumeration<Permission> elements() {
        return new Enumeration<Permission>() {
            @Override
            public boolean hasMoreElements() {
                return false;
            }

            @Override
            public Permission nextElement() {
                return null;
            }
        };
    }

    @Override
    public String toString() {
        return "ClusterPermissionCollection [permClass=" + permClass + "]";
    }
}

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 */
public class SemaphorePermission extends InstancePermission {

    private static final int ACQUIRE = 4;
    private static final int RELEASE = 8;
    private static final int READ = 16;

    @Override
    public Permission nextElement() {
        return null;
    }

    @Override
    public int hashCode() {
        return 37;
    }

    @Override
    public String toString() {
        return "<deny all permissions>";
    }

    @Override
    public boolean equals(Object obj) {
        return obj instanceof DenyAllPermissionCollection;
    }

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    package com.hazelcast.security.permission;

    public class SemaphorePermission extends InstancePermission {

    private static final int ACQUIRE = 4;
    private static final int RELEASE = 8;
    private static final int READ = 16;
private static final int ALL = CREATE | DESTROY | ACQUIRE | RELEASE | READ;

public SemaphorePermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_ACQUIRE.equals(action)) {
            mask |= ACQUIRE;
        } else if (ActionConstants.ACTION_RELEASE.equals(action)) {
            mask |= RELEASE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        }
    }
    return mask;
}

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package com.hazelcast.security.permission;

public class MultiMapPermission extends MapPermission {
public MultiMapPermission(String name, String... actions) {
    super(name, actions);
}

package com.hazelcast.security.permission;

public class RingBufferPermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int READ = 8;
    private static final int ALL = PUT | READ;

    public RingBufferPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_PUT.equals(action)) {
                mask |= PUT;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            }
        }
        return mask;
    }

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    */
mask |= READ;
}  
}  
return mask;
}  
}

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/**
 * Contains Hazelcast client permissions.
 *
 * @see com.hazelcast.security.jsm
 */

package com.hazelcast.security.permission;

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package com.hazelcast.security.permission;

import com.hazelcast.config.matcher.WildcardConfigPatternMatcher;

import java.security.Permission;

/**
 * TODO: Object Permission
 */

public abstract class InstancePermission extends ClusterPermission {

    protected static final int NONE = 0;
    protected static final int CREATE = 1;
    protected static final int DESTROY = 2;

    private static final WildcardConfigPatternMatcher CONFIG_PATTERN_MATCHER = new
    WildcardConfigPatternMatcher();

    protected final int mask;
    protected final String actions;

    public InstancePermission(String name, String... actions) {
        super(name);
if (name == null || name.equals("") ) {
    throw new IllegalArgumentException("Permission name is mandatory!");
}
mask = initMask(actions);

final StringBuilder s = new StringBuilder();
for (String action : actions) {
    s.append(action).append(" ");
}
// trim the trailing space
if (s.length() > 0) {
    s.setLength(s.length() - 1);
}
this.actions = s.toString();

/**
 * init mask
 */
protected abstract int initMask(String[] actions);

@Override
public boolean implies(Permission permission) {  
    if (this.getClass() != permission.getClass()) {
        return false;
    }
    InstancePermission that = (InstancePermission) permission;
    boolean maskTest = ((this.mask & that.mask) == that.mask);
    if (!maskTest) {
        return false;
    }
    return CONFIG_PATTERN_MATCHER.matches(getName(), that.getName());
}

@Override
public String getActions() {
    return actions;
}

@Override
public int hashCode() {
    int result = super.hashCode();
    result = 31 * result + mask;
    result = 31 * result + actions.hashCode();
    return result;
@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    InstancePermission other = (InstancePermission) obj;
    if (getName() == null && other.getName() != null) {
        return false;
    }
    if (!getName().equals(other.getName())) {
        return false;
    }
    if (mask != other.mask) {
        return false;
    }
    return true;
}

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 */

package com.hazelcast.security.permission;

import com.hazelcast.cache.impl.CacheService;
import com.hazelcast.cardinality.impl.CardinalityEstimatorService;
import com.hazelcast.collection.impl.list.ListService;
import com.hazelcast.collection.impl.queue.QueueService;
import com.hazelcast.collection.impl.set.SetService;
import com.hazelcast.concurrent.atomiclong.AtomicLongService;
import com.hazelcast.concurrent.atomicreference.AtomicReferenceService;
import com.hazelcast.concurrent.countdownlatch.CountDownLatchService;
import com.hazelcast.concurrent.idgen.IdGeneratorService;
import com.hazelcast.concurrent.lock.LockService;
import com.hazelcast.concurrent.semaphore.SemaphoreService;
import com.hazelcast.cp.internal.datastructures.atomiclong.RaftAtomicLongService;
import com.hazelcast.cp.internal.datastructures.atomicref.RaftAtomicRefService;
import com.hazelcast.cp.internal.datastructures.countdownlatch.RaftCountDownLatchService;
import com.hazelcast.cp.internal.datastructures.lock.RaftLockService;
import com.hazelcast.cp.internal.datastructures.semaphore.RaftSemaphoreService;
import com.hazelcast.crdt.pncounter.PNCounterService;
import com.hazelcast.durableexecutor.impl.DistributedDurableExecutorService;
import com.hazelcast.executor.impl.DistributedExecutorService;
import com.hazelcast.flakeidgen.impl.FlakeIdGeneratorService;
import com.hazelcast.internal.usercodedeploymentUserCodeDeploymentService;
import com.hazelcast.map.impl.MapService;
import com.hazelcast.mapreduce.impl.MapReduceService;
import com.hazelcast.multimap.impl.MultiMapService;
import com.hazelcast.replicatedmap.impl.ReplicatedMapService;
import com.hazelcast.ringbuffer.impl.RingbufferService;
import com.hazelcast.topic.impl.TopicService;

import java.security.Permission;
import java.util.HashMap;
import java.util.Map;

@SuppressWarnings("checkstyle:executablestatementcount")
public final class ActionConstants {

    public static final String ACTION_ALL = "all";
    public static final String ACTION_CREATE = "create";
    public static final String ACTION_DESTROY = "destroy";
    public static final String ACTION_MODIFY = "modify";
    public static final String ACTION_READ = "read";
    public static final String ACTION_REMOVE = "remove";
    public static final String ACTION_LOCK = "lock";
    public static final String ACTION_LISTEN = "listen";
    public static final String ACTION_RELEASE = "release";
    public static final String ACTION_ACQUIRE = "acquire";
    public static final String ACTION_PUT = "put";
    public static final String ACTION_ADD = "add";
    public static final String ACTION_INDEX = "index";
    public static final String ACTION_INTERCEPT = "intercept";
    public static final String ACTION_PUBLISH = "publish";
    public static final String ACTION_AGGREGATE = "aggregate";
    public static final String ACTION_PROJECTION = "projection";
}
public static final String ACTION_USER_CODE_DEPLOY = "deploy";

public static final String LISTENER_INSTANCE = "instance";
public static final String LISTENER_MEMBER = "member";
public static final String LISTENER_MIGRATION = "migration";

private static final Map<String, PermissionFactory> PERMISSION_FACTORY_MAP = new HashMap<String, PermissionFactory>();

static {
    PERMISSION_FACTORY_MAP.put(QueueService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new QueuePermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(MapService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new MapPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(MultiMapService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new MultiMapPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(ListService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new ListPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(SetService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new SetPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(AtomicLongService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new AtomicLongPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(RaftAtomicLongService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new RaftAtomicLongPermission(name, actions);
        }
    });
public Permission create(String name, String... actions) {
    return new AtomicLongPermission(name, actions);
}

PERMISSION_FACTORY_MAP.put(CountDownLatchService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CountDownLatchPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(RaftCountDownLatchService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CountDownLatchPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(SemaphoreService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new SemaphorePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(RaftSemaphoreService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new SemaphorePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(TopicService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new TopicPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(LockService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new LockPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(RaftLockService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new LockPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(DistributedExecutorService.SERVICE_NAME, new
PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ExecutorServicePermission(name, actions);
    }
};

PERMISSION_FACTORY_MAP.put(IdGeneratorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicLongPermission(IdGeneratorService.ATOMIC_LONG_NAME + name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(FlakeIdGeneratorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new FlakeIdGeneratorPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(MapReduceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new MapReducePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(ReplicatedMapService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ReplicatedMapPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(AtomicReferenceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicReferencePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(RaftAtomicRefService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicReferencePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(CacheService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CachePermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(RingbufferService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new RingBufferPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(DistributedDurableExecutorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new DurableExecutorServicePermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(CardinalityEstimatorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CardinalityEstimatorPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(UserCodeDeploymentService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return newUserCodeDeploymentPermission(actions);
    }
});
PERMISSION_FACTORY_MAP.put(PNCounterService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new PNCounterPermission(name, actions);
    }
});

private ActionConstants() {
}

private interface PermissionFactory {
    Permission create(String name, String... actions);
}

/**
 * Creates a permission
 *
 * @param name
 * @param serviceName
 * @param actions
 */
public static Permission getPermission(String name, String serviceName, String... actions) {
    PermissionFactory permissionFactory = PERMISSION_FACTORY_MAP.get(serviceName);
    if (permissionFactory == null) {
        throw new IllegalArgumentException("No permissions found for service: ", serviceName);
    }

    return permissionFactory.create(name, actions);
}

package com.hazelcast.security.permission;

public class CardinalityEstimatorPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public CardinalityEstimatorPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
        }
        return mask;
    }
}
if (ActionConstants.ACTION_CREATE.equals(action)) {
    mask |= CREATE;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
} else if (ActionConstants.ACTION_MODIFY.equals(action)) {
    mask |= MODIFY;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
}
return mask;

package com.hazelcast.security.permission;

public class AtomicLongPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicLongPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            ...
if (ActionConstants.ACTION_ALL.equals(action)) {
    return ALL;
}

if (ActionConstants.ACTION_CREATE.equals(action)) {
    mask |= CREATE;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
} else if (ActionConstants.ACTION_MODIFY.equals(action)) {
    mask |= MODIFY;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
}

return mask;

package com.hazelcast.security.permission;

public class ExecutorServicePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public ExecutorServicePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {

                return mask;
            }
        }
    }

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     */
return ALL;

if (ActionConstants.ACTION_CREATE.equals(action)) {
    mask |= CREATE;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
}
}
return mask;
}

package com.hazelcast.security.permission;

public class DurableExecutorServicePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public DurableExecutorServicePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            }
        }
    }
}

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 */
else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
}

return mask;
}

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 */

package com.hazelcast.security.permission;

public class AtomicReferencePermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicReferencePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            mask |= ActionConstants.valueOf(action.toUpperCase().intern());
        }
        return mask;
    }

    @Override
    public String toString() {
        return getClass().getName() + '{' + super.toString() + '}
    }

}
if (ActionConstants.ACTION_ALL.equals(action)) {
    return ALL;
}

if (ActionConstants.ACTION_CREATE.equals(action)) {
    mask |= CREATE;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
} else if (ActionConstants.ACTION_MODIFY.equals(action)) {
    mask |= MODIFY;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
}

return mask;
}

package com.hazelcast.security.permission;
import com.hazelcast.internal.usercodedeployment.UserCodeDeploymentService;

public class UserCodeDeploymentPermission extends InstancePermission {

private static final int DEPLOY = 4;
private static final int ALL = DEPLOY;

public UserCodeDeploymentPermission(String... actions) {
    super(UserCodeDeploymentService.SERVICE_NAME, actions);
}

@Override
protected int initMask(String[] actions) {

int mask = NONE;
for (String action : actions) {
  if (ActionConstants.ACTION_ALL.equals(action)) {
    return ALL;
  }

  if (ActionConstants.ACTION_USER_CODE_DEPLOY.equals(action)) {
    mask |= DEPLOY;
  }
}
return mask;

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*/

package com.hazelcast.security.permission;

public class CountDownLatchPermission extends InstancePermission {

  private static final int READ = 4;
  private static final int MODIFY = 8;
  private static final int ALL = CREATE | DESTROY | READ | MODIFY;

  public CountDownLatchPermission(String name, String... actions) {
    super(name, actions);
  }

  @Override
  protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
      if (ActionConstants.ACTION_ALL.equals(action)) {
        return ALL;
      }
    }
    return mask;
  }
}
if (ActionConstants.ACTION_CREATE.equals(action)) {
    mask |= CREATE;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
} else if (ActionConstants.ACTION_MODIFY.equals(action)) {
    mask |= MODIFY;
}

return mask;
}

public ReplicatedMapPermission(String name, String... actions) {
    super(name, actions);
}
@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_PUT.equals(action)) {
            mask |= PUT;
        } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
            mask |= REMOVE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        } else if (ActionConstants.ACTION_LOCK.equals(action)) {
            mask |= LOCK;
        } else if (ActionConstants.ACTION_INDEX.equals(action)) {
            mask |= INDEX;
        } else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
            mask |= INTERCEPT;
        }
    }
    return mask;
}

# Jackson JSON processor

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

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## Credits
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**1.3006 zlib 1.2.5**

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/* zlib.h -- interface of the 'zlib' general purpose compression library version 1.2.11, January 15th, 2017

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1.3008 apacheds-mavibot-partition 2.0.0

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1.3013 antlr 4.7.2

1.3014 iputils 20161105-1

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1.3019 debianutils 4.8.4

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1.3029 mitchellh-mapstructure 1.5.2

0.7.git269f928.el7

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1.3030 core-module 1.2.3

1.3031 lapack 3.9.0-r1
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1.3032 python-stdlib-extensions 3.6.9-1~18.04
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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python’s
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (see http://www.digicoool.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Digital Creations is a sponsoring member of the PSF.

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1.3033 jackson-databind 2.9.7
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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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1.3034 ibm-icu 52.1.0.v201404241930

1.3035 perl 5.24.1 3+deb9u5
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

--------------------------------------------------------------------------
#!perl
=head1 NAME

copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) {
    skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

---
my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now') {
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else {
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
    open my $readme, '<', '../README' or die "Opening README failed: $!";

    # The copyright message is the first paragraph:
    local $/ = ";
    my $copyright_msg = <$readme>;

    my ($year) = $copyright_msg =~ /.*\b\d{4,}/s
        or die "Year not found in README copyright message '$copyright_msg'";

    $year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{
    my $output = runperl switches => ['-v'];
    my ($year) = $output =~ /copyright shipping\d{4,}/
        or die "Copyright statement not found in perl -v output '$output'";

    $year;
}
abstract: 'Build and install Perl modules'

author:
- 'Ken Williams <kwilliams@cpan.org>,'
- "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>.",' 

buildRequires:
File::Temp: 0.15
Test::Harness: 3.16
Test::More: 0.49

generated_by: 'Module::Build version 0.3608'

license: gpl

meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4

name: Module-Build

resources:
  MailingList: mailto:module-build@perl.org
  license: http://dev.perl.org/licenses/
  repository: http://github.com/dagolden/module-build/
  version: 3

---

1.3036 c-ares 1.2.7

1.3036.1 Available under license :

# c-ares license

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*/

/* OPENBSD ORIGINAL: sys/sys/poll.h */

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#ifndef_COMPAT_POLL_H_
#define_COMPAT_POLL_H_

typedef struct pollfd {
    int fd;
    short events;
    short revents;
} pollfd_t;

typedef unsigned int nfds_t;

#define POLLIN0x0001
#define POLLOUT0x0004
#define POLLERR0x0008


#define POLLHUP 0x0010
#define POLLNVAL 0x0020
#if 0
   /* the following are currently not implemented */
#define POLLPRI 0x0002
#define POLLRDNORM 0x0040
#define POLLNORM POLLRDNORM
#define POLLWRNORM POLLOUT
#define POLLRDBAND 0x0080
#define POLLWRBAND 0x0100
#endif

#define INFTIM (-1) /* not standard */

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */

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 *
*/

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H
#ifndef HAVE_WAITPID
   /* Clean out any potential issues */
   #undef WIFEXITED
#endif
#endif

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H
#ifndef HAVE_WAITPID
   /* Clean out any potential issues */
   #undef WIFEXITED
#endif
#endif

/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*((int*)&(w)) /* convert union wait to int */
#define WIFEXITED(w) (!(_W_INT(w) & 0377))
#define WIFSTOPPED(w) ((_W_INT(w) & 0100))
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1)
#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)

/* Prototype */
pid_t waitpid(int, int *, int);

#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */

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 */

#ifndef HAVE_SETREGID
int setregid(gid_t, gid_t, gid_t);
#endif
#ifndef HAVE_SETRESUID
int setresuid(uid_t, uid_t, uid_t);
#endif

1.3048 sal-inmemory-datastore 1.9.2
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1.3050 jetty-xml 9.4.8.v20171121

1.3051 commons-configuration 2.2

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1.3052 xalan 2.7.2

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Last revised by Reagle $Date: 2005/06/03 22:49:13 $

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1.3064 jackson-data 1.9.13

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* https://github.com/eclipse-ee4j/glassfish-shoal
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* https://github.com/eclipse-ee4j/glassfish-hk2-extra
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### 1.3072 bcprov-ext-jdk15on 1.62

### 1.3073 ops4j-base-spi 1.5.0

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1.3084 httpcomponents-core 4.4.6

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1.3085 jool 0.9.12

1.3086 grpc-stub 0.15.0

1.3087 spring-beans 4.3.12
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1.3088 eclipse-equinox-registry

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BIRT Runtime

What is it?

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BIRT is an open source, Eclipse-based reporting system that integrates with your application to produce compelling reports for both web and PDF.
BIRT Runtime includes the resource which is necessary to run BIRT engine and BIRT chart. It also includes a BIRT Sample Web Viewer.
BIRT Engine is a report engine which generates report from defined report and related data source.
BIRT Chart is a 2 or 2.5 dimension data representation component. It can produce 24-bit images, 8-bit images, SWT graphics or SWING graphics.
You can find more information about BIRT and related technology from http://www.eclipse.org/birt/faq/

The Website for BIRT.

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Running the BIRT Engine in Console

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In order to run the BIRT engine in command you should:

1. set BIRT_HOME to the directory where BIRT Report Runtime Package is extracted.
2. enter into $BIRT_HOME/ReportEngine folder.
2. generate the report by run
   genReport xxx.rptdesign
xxx.rptdesign is the design file. if the design file is in the current directory, you have to specify it by .\xxx.rptdesign

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1.3089 python 2.7.15 4ubuntu4~18.04.2

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.
In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl/) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National
Research Initiatives (CNRI, see https://www.cnri.reston.va.us/) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation; see http://www.zope.com/). In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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Mersenne Twister
----------------

The :mod:`random` module includes code based on a download from http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html. The following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
or init_by_array(init_key, key_length).

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Sockets
-------

The `socket` module uses the functions, `getaddrinfo`, and `getnameinfo`, which are coded in separate source files from the WIDE Project, http://www.wide.ad.jp/.

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Asynchronous socket services

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

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Cookie management

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Execution tracing

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UUencode and UUdecode functions

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with Python standard

XML Remote Procedure Calls

The `:mod:` xmlrpc.client module contains the following notice::

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SipHash24
--------

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Original location:
https://github.com/majek/csiphash/

Solution inspired by code from:
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Jean-Philippe Aumasson (https://131002.net/siphash/siphash24.c)

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--------------
The file :file:`Python/dtoa.c`, which supplies C functions dtoa and
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------

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