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Contents

1.1 Annotation 1.0 1.1.1
   1.1.1 Available under license
1.2 ANTLR StringTemplate 3.2.1
   1.2.1 Available under license
1.3 antlr-runtime 3.4
   1.3.1 Available under license
1.4 Apache Avro 1.7.5
   1.4.1 Available under license
1.5 Apache Extras? for Apache log4j? 1.2.17
   1.5.1 Available under license
1.6 Apache Log4j 1.2.16
   1.6.1 Available under license
1.7 apacheds-i18n 2.0.0-M15
   1.7.1 Available under license
1.8 apacheds-kerberos-codec 2.0.0-M15
   1.8.1 Available under license
1.9 api-asn1-api 1.0.0-M20
   1.9.1 Available under license
1.10 api-util 1.0.0-M20
    1.10.1 Available under license
1.11 ASM-commons 3.1
    1.11.1 Available under license
1.12 aspectjrt 1.8.9
    1.12.1 Available under license
1.13 aspectjweaver 1.8.9
    1.13.1 Available under license
1.14 audience-annotations 0.5.0
   1.14.1 Available under license
1.15 avatica 1.10.0
   1.15.1 Available under license
1.16 avatica-core 1.10.0
   1.16.1 Available under license
1.17 bonecp 0.8.0.RELEASE
   1.17.1 Available under license
1.18 calcite-avatica 1.6.0
1.19 calcite-core 1.16.0-kylin-r2
   1.19.1 Available under license
1.20 calcite-linq4j 1.16.0-kylin-r2
   1.20.1 Available under license
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   1.21.1 Available under license
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   1.23.1 Available under license
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   1.24.1 Available under license
1.25 Commons Logging 1.1.3
   1.25.1 Available under license
1.26 commons-compress 1.18
   1.26.1 Available under license
1.27 commons-email 1.5
   1.27.1 Available under license
1.28 commons-fileupload 1.3.3
   1.28.1 Available under license
1.29 commons-lang3 3.4
   1.29.1 Available under license
1.30 commons-pool2 2.5.0
   1.30.1 Available under license
1.31 commons-validator 1.4.0
   1.31.1 Available under license
1.32 cors-filter 2.5
1.33 curator-framework 2.12.0
   1.33.1 Available under license
1.34 Data Mapper for Jackson 1.9.13 :ASL License
1.34.1 Available under license
1.35 datanucleus-api-jdo 3.2.6
  1.35.1 Available under license
1.36 datanucleus-core 3.2.10
  1.36.1 Available under license
1.37 datanucleus-rdbms 3.2.9
  1.37.1 Available under license
1.38 ehcache 2.10.2.2.21
  1.38.1 Available under license
1.39 Freemarker 2.3.23
  1.39.1 Available under license
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  1.40.1 Available under license
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  1.41.1 Available under license
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1.43 hadoop-yarn-api 2.7.1
1.44 hadoop-yarn-server-resourcemanager 2.7.1
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1.47 hbase-hadoop2-compat 1.1.1
1.48 hbase-server 1.1.1
1.49 hive-common 1.2.1
  1.49.1 Available under license
1.50 hive-hcatalog-core 1.2.1
1.51 hive-jdbc 1.2.1
  1.51.1 Available under license
1.52 hive-metastore 1.2.1
  1.52.1 Available under license
1.53 hive-serde 1.2.1
  1.53.1 Available under license
1.54 hive-service 1.2.1
  1.54.1 Available under license
1.55 hive-shims 1.2.1
  1.55.1 Available under license
1.56 hive-shims-0.20S 1.2.1
  1.56.1 Available under license
1.57 hive-shims-0.23 1.2.1
1.57.1 Available under license
1.58 hive-shims-common 1.2.1
1.58.1 Available under license
1.59 hive-shims-scheduler 1.2.1
1.59.1 Available under license
1.60 httpclient 4.2.5
1.60.1 Available under license
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1.61.1 Available under license
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1.62.1 Available under license
1.63 jackson-core-asl 1.9.13
1.63.1 Available under license
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1.64.1 Available under license
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1.65.1 Available under license
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1.66.1 Available under license
1.67 Java Authentication SPI for Containers 1.0
1.67.1 Available under license
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1.68.1 Available under license
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1.69.1 Available under license
1.70 javax.mail 1.5.6
1.70.1 Available under license
1.71 jcl-over-slf4j 1.7.21
1.71.1 Available under license
1.72 jdo-api 3.0.1
1.72.1 Available under license
1.73 jetty-all 7.6.0.v20120127
1.73.1 Available under license
1.74 jline 0.9.94
1.74.1 Available under license
1.75 joda-time 2.9.5
1.75.1 Available under license
1.76 jsch 0.1.54
1.77 jsr305 3.0.1
1.77.1 Available under license
1.78 JTA 1.1 1.1.1
  1.78.1 Available under license
1.79 libthrift 0.9.2
  1.79.1 Available under license
1.80 maven-model 3.3.9
  1.80.1 Available under license
1.81 metrics-core 3.1.2
1.82 metrics-jvm 3.1.2
  1.82.1 Available under license
1.83 mrunit 1.1.0
  1.83.1 Available under license
1.84 netty 3.10.6.Final
  1.84.1 Available under license
1.85 opencsv 2.3
  1.85.1 Available under license
1.86 opensaml 2.6.6
  1.86.1 Available under license
1.87 paranamer 2.5.6
  1.87.1 Available under license
1.88 RoaringBitmap 0.6.18
1.89 rocksdbjni 5.9.2
  1.89.1 Available under license
1.90 Scala Compiler 2.11.0
  1.90.1 Available under license
1.91 scala-library 2.11.0
  1.91.1 Available under license
1.92 scala-reflect 2.11.0
1.93 slf4j api 1.7.21
1.94 SLF4J LOG4J-12 Binding 1.7.2
  1.94.1 Available under license
1.95 slf4j-log4j12 1.7.21
  1.95.1 Available under license
1.96 Snappy for Java 1.0.5
1.97 spring-aop 4.3.10.RELEASE
  1.97.1 Available under license
1.98 spring-beans 4.3.10.RELEASE
  1.98.1 Available under license
1.99 spring-beans 4.3.9.RELEASE
1.99.1 Available under license
1.100 spring-context 4.3.12.RELEASE
1.101 spring-context 4.3.9.RELEASE
   1.101.1 Available under license
1.102 spring-context-support 4.3.10.RELEASE
   1.102.1 Available under license
1.103 spring-core 4.3.9.RELEASE
   1.103.1 Available under license
1.104 spring-core 4.3.10.RELEASE
   1.104.1 Available under license
1.105 spring-expression 4.3.9.RELEASE
   1.105.1 Available under license
1.106 spring-expression 4.3.12.RELEASE
1.107 spring-expression 4.3.10.RELEASE
   1.107.1 Available under license
1.108 spring-jdbc 4.3.10.RELEASE
   1.108.1 Available under license
1.109 spring-security-acl 4.2.3.RELEASE
   1.109.1 Available under license
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1.111 spring-security-core 4.2.3.RELEASE
1.112 spring-security-ldap 4.2.3.RELEASE
1.113 spring-security-saml2-core 1.0.2.RELEASE
1.114 spring-security-web 4.2.3.RELEASE
   1.114.1 Available under license
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   1.115.1 Available under license
1.116 spring-tx 4.3.10.RELEASE
   1.116.1 Available under license
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   1.117.1 Available under license
1.118 spring-webmvc 4.3.10.RELEASE
1.119 spymemcached 2.12.3
1.120 super-csv 2.4.0
   1.120.1 Available under license
1.121 T-Digest 3.1
1.122 xalan 2.7.2
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1.123 xercesImpl 2.11.0
1.1 Annotation 1.0 1.1.1
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1.38 ehcache 2.10.2.21

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```java
package net.sf.ehcache.store;

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
 * @param cacheStore the store to wrap
 * @param cacheConfiguration the cache config backed by this store
 * @param <T> the Store type
 * @return the wrapped store
 */
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());
}

/**
 * Checks whether configuration enables copying
 *
 * @param cacheConfiguration the cache config
 * @return true is copying is required, otherwise false
 */
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 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));
    }
}

/**
 * Copyright Terracotta, Inc.
 */
package net.sf.ehcache.store;

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}.
 *
 * @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 Iterator<Element> iterator() {
        return elements().iterator();
    }

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

/**
 * A { @link BruteForceSource} that wraps another one and deals with copy for read of { @link Element}.
 * @author ljacomet
 */
class CopyingIterable implements Iterator<Element> {

    private final Iterator<Element> delegate;
    private final CopyStrategyHandler copyStrategyHandler;

    CopyingIterable(Iterator<Element> delegate, CopyStrategyHandler copyStrategyHandler) {
        this.delegate = delegate;
        this.copyStrategyHandler = copyStrategyHandler;
    }

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

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

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

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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());
    }

    /**
     * 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.copyElementForReadIfNeeded(delegate.next());
        }

        @Override
        public void remove() {
            // Remove logic
        }
    }

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

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

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

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1.40 guava 14.0

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1.41 hadoop-auth 2.7.1
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1.42 hadoop-minicluster 2.7.1

1.43 hadoop-yarn-api 2.7.1

1.44 hadoop-yarn-server-resourcemanager 2.7.1
package org.apache.hadoop.hbase.security.access;

import com.google.common.collect.Maps;
import org.apache.commons.logging.Log;
import org.apache.commons.logging.LogFactory;
import org.apache.hadoop.hbase.classification.InterfaceAudience;
import org.apache.hadoop.hbase.classification.InterfaceStability;
import org.apache.hadoop.hbase.util.Bytes;
import org.apache.hadoop.io.VersionedWritable;
import java.io.DataInput;
import java.io.DataOutput;
import java.io.IOException;
import java.util.Arrays;
import java.util.Map;

/**
 * Base permissions instance representing the ability to perform a given set
 * of actions.
 *
 * @see TablePermission
 */
@InterfaceAudience.Public
@InterfaceStability.Evolving
public class Permission extends VersionedWritable {
    protected static final byte VERSION = 0;

    /**
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     * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
     * See the License for the specific language governing permissions and
     * limitations under the License.
     */
@InterfaceAudience.Public
@InterfaceStability.Evolving
public enum Action {
    READ('R'), WRITE('W'), EXEC('X'), CREATE('C'), ADMIN('A');

    private byte code;
    Action(char code) {
        this.code = (byte)code;
    }

    public byte code() { return code; }
}

private static final Log LOG = LogFactory.getLog(Permission.class);
protected static final Map<Byte, Action> ACTION_BY_CODE = Maps.newHashMap();

protected Action[] actions;

static {
    for (Action a : Action.values()) {
        ACTION_BY_CODE.put(a.code(), a);
    }
}

/** Empty constructor for Writable implementation. <b>Do not use.</b> */
public Permission() {
    super();
}

public Permission(Action... assigned) {
    if (assigned != null && assigned.length > 0) {
        actions = Arrays.copyOf(assigned, assigned.length);
    }
}

public Permission(byte[] actionCodes) {
    if (actionCodes != null) {
        Action acts[] = new Action[actionCodes.length];
        int j = 0;
        for (int i = 0; i < actionCodes.length; i++) {
            byte b = actionCodes[i];
            Action a = ACTION_BY_CODE.get(b);
            if (a == null) {
                LOG.error("Ignoring unknown action code " +
                        Bytes.toStringBinary(new byte[]{b}) +\"\");
                continue;
            }
        }
    }
}
acts[j++] = a;
}
this.actions = Arrays.copyOf(acts, j);
}

public Action[] getActions() {
    return actions;
}

public boolean implies(Action action) {
    if (this.actions != null) {
        for (Action a : this.actions) {
            if (a == action) {
                return true;
            }
        }
    }
    return false;
}

@Override
public boolean equals(Object obj) {
    if (!(obj instanceof Permission)) {
        return false;
    }
    Permission other = (Permission)obj;
    // check actions
    if (actions == null && other.getActions() == null) {
        return true;
    } else if (actions != null && other.getActions() != null) {
        Action[] otherActions = other.getActions();
        if (actions.length != otherActions.length) {
            return false;
        }
        outer:
        for (Action a : actions) {
            for (Action oa : otherActions) {
                if (a == oa) continue outer;
            }
            return false;
        }
    return true;
}
    return false;
@Override
public int hashCode() {
    final int prime = 37;
    int result = 23;
    for (Action a : actions) {
        result = prime * result + a.code();
    }
    return result;
}

@Override
public String toString() {
    StringBuilder str = new StringBuilder("[Permission: "))
        .append("actions=\n")
    if (actions != null) {
        for (int i=0; i<actions.length; i++) {
            if (i > 0)
                str.append(",");
            if (actions[i] != null)
                str.append(actions[i].toString());
            else
                str.append("NULL");
        }
    }
    str.append("]");

    return str.toString();
}

/** @return the object version number */
@Override
public byte getVersion() {
    return VERSION;
}

@Override
public void readFields(DataInput in) throws IOException {
    super.readFields(in);
    int length = (int)in.readByte();
    if (length > 0) {
        actions = new Action[length];
        for (int i = 0; i < length; i++) {
            byte b = in.readByte();
            Action a = ACTION_BY_CODE.get(b);
            if (a == null) {
                throw new IOException("Unknown action code "+

Bytes.toStringBinary(new byte[] {b}) + " in input");
}
this.actions[i] = a;
}
} else {
    actions = new Action[0];
}
}

@Override
public void write(DataOutput out) throws IOException {
    super.write(out);
    out.writeByte(actions != null ? actions.length : 0);
    if (actions != null) {
        for (Action a: actions) {
            out.writeByte(a.code());
        }
    }
}

1.46 hbase-common 1.1.1

1.47 hbase-hadoop2-compat 1.1.1

1.48 hbase-server 1.1.1

1.49 hive-common 1.2.1
1.49.1 Available under license:

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1.50 hive-hcatalog-core 1.2.1

1.51 hive-jdbc 1.2.1

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1.52 hive-metastore 1.2.1

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1.0

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1.1.1

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1.69 JavaMail API 1.4.1

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import java.io.Serializable;

/**
 * Represents a permission granted to a <tt>Sid</tt> for a given domain object.
 * @author Ben Alex
 */
public interface Permission extends Serializable {

    /**
     * Returns the bits that represents the permission.
     * @return the bits that represent the permission
     */
    int getMask();

    /**
     * Returns a 32-character long bit pattern <code>String</code> representing this
     * permission.
     * @returns the bits that represent the permission
     */
    int getMask();

}
* denote a bit that is off (clear). Implementations may also elect to use
* [@link #RESERVED_ON] internally for computation purposes, although this method may
* not return any <code>String</code> containing [@link #RESERVED_ON].
* <p>
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* 
* @return a 32-character bit pattern
*/
String getPattern();
}

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