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1.38 ehcache 2.10.2.2.21

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 */

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;
}

/**
 * Wraps the given {@link net.sf.ehcache.store.ElementValueComparator} if the configuration requires 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));
    }
}

/**
 * An {@link net.sf.ehcache.store.ElementValueComparator} which handles copy on read
 */

private static class CopyStrategyHandler {

    private final boolean isCopyOnRead;
    private final boolean isCopyOnWrite;
    private final ReadWriteCopyStrategy copyStrategyInstance;
    private final ClassLoader classLoader;

    public CopyStrategyHandler(boolean isCopyOnRead, boolean isCopyOnWrite, ReadWriteCopyStrategy copyStrategyInstance, ClassLoader classLoader) {
        this.isCopyOnRead = isCopyOnRead;
        this.isCopyOnWrite = isCopyOnWrite;
        this.copyStrategyInstance = copyStrategyInstance;
        this.classLoader = classLoader;
    }

    public boolean isCopyOnRead() {
        return isCopyOnRead;
    }

    public boolean isCopyOnWrite() {
        return isCopyOnWrite;
    }

    public ReadWriteCopyStrategy copyStrategyInstance() {
        return copyStrategyInstance;
    }

    public ClassLoader classLoader() {
        return classLoader;
    }

    public Element copyElementForReadIfNeeded(Element e) {
        if (isCopyOnRead) {
            e = copyStrategyInstance.copyElementForRead(e, classLoader);
        }
        return e;
    }

    public Element copyElementForWriteIfNeeded(Element e) {
        if (isCopyOnWrite) {
            e = copyStrategyInstance.copyElementForWrite(e, classLoader);
        }
        return e;
    }
}

/**
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 */
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}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());
    }

    /**
     * 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() {
delegate.remove();
}
}
}
}

1.39 Freemarker 2.3.23

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1.40 guava 14.0

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1.42 hadoop-minicluster 2.7.1

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1.44 hadoop-yarn-server-resourcemanager
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1.45 hbase-client 1.1.1

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 */

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;
}
@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;
            j++;
        }
        actions = acts;
    }
}
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: ");
    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
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1.50 hive-hcatalog-core 1.2.1

1.51 hive-jdbc 1.2.1

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1.64 jackson-databind 2.9.8

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1.66 jamm 0.3.1

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1.1.1

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<project>
  <modelVersion>4.0.0</modelVersion>

  <groupId>org.apache.maven.its.mng3843</groupId>
  <artifactId>parent-1</artifactId>
  <version>0.1</version>
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  <licenses>
    <license>
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-->

<project>
  <modelVersion>4.0.0</modelVersion>

  <!--
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  -->

  <parent>
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    <artifactId>parent-1</artifactId>
    <version>0.1</version>
  </parent>
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<packaging>jar</packaging>

<licenses>
  <license>
    <name>child-license</name>
    <url>http://child.url/license</url>
    <distribution>repo</distribution>
  </license>
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</project>

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-->
<project>
  <modelVersion>4.0.0</modelVersion>
  <!--
  While <contributors> are inherited, they are not aggregated, only the child elements are used.
  -->
  <parent>
    <groupId>org.apache.maven.its.mng3843</groupId>
    <artifactId>parent-1</artifactId>
    <version>0.1</version>
  </parent>
  <groupId>org.apache.maven.its.mng3843.child</groupId>
  <artifactId>child-2</artifactId>
  <version>0.2</version>
  <packaging>jar</packaging>

  <contributors>
    <contributor>
      <name>child-contributor</name>
    </contributor>
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</project>
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#if ($url == "https://glassfish.dev.java.net/public/CDDLv1.0.html")
#set ( $url = 'https://glassfish.java.net/public/CDDLv1.0.html' )
#end
#if ($url)
#set ( $licFile = 'lib/' + $artId + '.license' )
#set ( $downloaded = $lf.getResourceAsFile($url, "licenses/${licFile}" ) )
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$project.name #if ($project.url)($project.url)#end $project.artifact
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 */
package org.springframework.security.acls.model;

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 {

    // ~ Methods
    //////////////////////////////////////////////////////////////////////////
    //
    char RESERVED_ON = '~';
    char RESERVED_OFF = '.';
    String THIRTY_TWO_RESERVED_OFF = "..............................";

    // ~ Methods
    //////////////////////////////////////////////////////////////////////////
    /**
* 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.
 * Implementations are free to format the pattern as they see fit, although under no
 * circumstances may <code>@link #RESERVED_OFF</code> or <code>@link #RESERVED_ON</code> be used within the
 * pattern. An exemption is in the case of <code>@link #RESERVED_OFF</code> which is used to
 * denote a bit that is off (clear). Implementations may also elect to use
 * <code>@link #RESERVED_ON</code> internally for computation purposes, although this method may
 * not return any <code>String</code> containing <code>@link #RESERVED_ON</code>.
 * The returned String must be 32 characters in length.
 * This method is only used for user interface and logging purposes. It is not used in
 * any permission calculations. Therefore, duplication of characters within the output
 * is permitted.
 * @return a 32-character bit pattern
*/
String getPattern();

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Last revised by Reagle $Date: 2005/06/03 22:49:13 $

1.123 xercesImpl 2.11.0

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