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1.38 ehcache 2.10.2.2.21

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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 {@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));
    }
}

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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
```java
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();
}
}
}

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1.40 guava 14.0

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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
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;
            }
        }
    }
}
```java
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;
}
```
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=") ;
    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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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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1.66 jamm 0.3.1

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  </parent>

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  <packaging>jar</packaging>

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      <name>parent-contributor</name>
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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 {
     // ~ Static fields/initializers
     //
     /**<
     * RESERVED_ON = '/'
     * RESERVED_OFF = '.'
     * THIRTY_TWO_RESERVED_OFF = "......................."
     */
     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 \texttt{String} representing this
 * permission.
 * \texttt{String} may be used to format the pattern as they see fit, although under no
 * circumstances may \texttt{@link RESERVED_OFF} or \texttt{@link RESERVED_ON} be used within the
 * pattern. An exemption is in the case of \texttt{@link RESERVED_OFF} which is used to
 * denote a bit that is off (clear). Implementations may also elect to use
 * \texttt{@link RESERVED_ON} internally for computation purposes, although this method may
 * not return any \texttt{String} containing \texttt{@link RESERVED_ON}.
 * @return a 32-character bit pattern
 */
String getPattern();

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