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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
    =====

    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 String representing this permission.
     *
     * <p>
     * Implementations are free to format the pattern as they see fit, although under no circumstances may
     * { @link #RESERVED_OFF} or { @link #RESERVED_ON} be used within the pattern. An exemption is in the
     case of
     * { @link #RESERVED_OFF} which is used to 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 String containing { @link #RESERVED_ON}.
     * <p>
     * The returned String must be 32 characters in length.
     * <p>
     * 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();
}

```

1.14 opentracing spring web 0.3.2

1.15 spring-security-core 3.2.9

1.16 tyrus-client 1.15

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1.18 babel-jest 21.2.0

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1.22 jxmpp-core 0.4.1

1.23 spring-messaging 4.3.19

1.24 spring-webmvc-portlet 4.3.19

1.25 servlet-api 3.1.0

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1.28 prop-types 15.5.4

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1.30 commons-validator 1.5.1

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1.31 react-split-pane 0.1.66

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1.32 jcl-over-slf4j 1.7.21

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1.33 apache-httpclient 4.4.1

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1.34 gson 2.7

1.35 jline 0.9.94

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1.36 error-prone-annotations 2.1.3

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<settings default="Google">
```

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<module2copyright>
```

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  </module2copyright>
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    <option name="fileTypeOverride" value="3" />
    <option name="prefixLines" value="false" />
  </LanguageOptions>
</settings>
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file except in compliance with the License.&#10;You may obtain a copy of the License at&#10;&#10;
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governing permissions and&#10;limitations under the License." />
    <option name="keyword" value="Copyright" />
    <option name="allowReplaceKeyword" value="" />
    <option name="myName" value="Google" />
    <option name="myLocal" value="true" />
  </copyright>
</component>

```

1.37 spring-security-cas 3.2.4

1.38 xmlschema 2.0.3

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1.39 snmp-4j 2.1.0

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1.40 commons-logging 1.1.1

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1.41 hazelcast-client-protocol 1.4.1

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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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```
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```

```
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;  
    }  
}
```

```
}
}
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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;
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);
}

```

```

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

```

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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;
```

```
/**
```

```
* 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 MultiMapPermission extends MapPermission {
```

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

```
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```

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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;
}
}
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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.durableexecutor.impl.DistributedDurableExecutorService;
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.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;

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 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(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);
    }
});
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);
        }
    });
    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);
        }
    });
}

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;
```

```

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 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 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;
    }

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

```

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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";
    }
}
```

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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;
}

@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 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 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 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;
}
}
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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 (!getName().equals(other.getName())) {
        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 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;
            }

            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 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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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;
}
}
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```

```

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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;
    }
}
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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 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 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;
            }

            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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```

```

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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;
    }
}

```

1.42 asm-analysis 7.0

1.43 bson4jackson 2.7.0

1.44 mongodb-driver-core 3.0.4

1.45 jetty-util 9.3.27.v20190418

1.46 jackson-dataformat-smile 2.7.9

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1.47 cxf-rt-bindings-xml 2.7.3

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1.56 jackson-jaxrs-xml-provider 2.9.9

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1.58 enzyme 3.1.0

1.59 stax 3.1.4

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1.61 jsonassert 1.5.0

1.62 jsch 0.1.53

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1.63 cglib 3.0

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1.72 spring-jms 3.2.9

1.73 commons-logging 1.1

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1.74 eslint-config-airbnb 15.1.0

1.75 react-drag-listview 0.0.9

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1.77 beanutils 1.6

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1.78 babel-plugin-transform-class-properties

6.24.1

1.79 grizzly-http-server 2.4.4

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1.81 expect 21.2.1

1.82 jsch 0.1.31

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1.83 eslint-loader 1.9.0

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1.84 jcli 1.0-alpha-3

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*/
```

```
package org.apache.cxf.io;
```

```
import java.io.IOException;
import java.io.InputStream;
```

```
/**
```

```
* Marker interface for OutputStreams that can directly support
* copying from an input stream. OutputStreams that maintain their
* own byte buffer or similar may be able to optimize the copy
* instead of using the read/write into a temporary buffer that
* the normal IOUtils.copy method requires.
*/
```

```
public interface CopyingOutputStream {
```

```
    int copyFrom(InputStream in) throws IOException;
```

```
}
```

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1.108 spring-context-support 4.3.19

1.109 react-dnd-html5-backend 5.0.1

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1.110 reflections 0.9.11

1.111 redux-thunk 2.2.0

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1.112 log4j-api 2.11.1

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1.113 spring-security-taglibs 3.2.9

1.114 security-core 3.2.9

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1.116 jacoco-core 0.8.3

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1.127 antd 2.12.6

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1.128 axios 0.16.2

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1.129 spring-beans 4.3.19

1.130 guava 25.0

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1.131 txw2 2.2.11

1.132 eslint 4.4.1

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1.133 rabbitmq 3.6.2

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1.135 xpp3-min 1.1.4c

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About XmlPull API

It is a minimalist API: very easy to implement standalone or on top of existing parser. The API allows both fast high level iteration (using next() method) and low level tokenizing (using nextToken() token) and is designed for easy building on top of it SAX, XML pull parsers that uses iterators with event objects, or even DOM implementations. To support J2ME and real small implementation parsing of DOCDECL is optional (but DOCDECL can be reported if requested).

The aim is to provide a similar but orthogonal pull parsing basis to widely successful push parsing SAX API. The XmlPull API is in public domain in hope that it will be embraced by Java developers (conformance tests are under LGPL license to minimize risk of incompatible implementations).

1.136 wsdl4j 1.6.2

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<META content="MSHTML 5.50.4919.2200" name=GENERATOR></META></HEAD>
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1.137 snake-yaml 1.15

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1.138 regenerator-runtime 0.11.0

1.139 react-test-renderer 15.5.4

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1.140 metrics-health-checks 3.1.0

1.141 sshd-core 1.1.0

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1.142 reflectasm 1.06

1.143 jackson 2.0.1

1.144 commons-beanutils 1.7.0

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1.145 javax-xml-soap-api 1.4.0

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1.151 xml-extensions 1.20.0

1.152 spring-jdbc 4.3.19

1.153 spring-oxm 4.3.19

1.154 httpcomponents-mime 4.3.6

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1.156 concurrently 3.5.1

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1.158 babel-core 6.26.3

1.159 smack 4.1.0

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1.161 handlebars 3.0.3

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1.162 babel-eslint 8.0.1

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1.163 autobind-decorator 2.1.0

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1.164 eslint-plugin-jsx-a11y 5.1.1

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1.165 txw2 2.3.1

1.166 jacoco-cli 0.8.3

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- * encoding: US-ASCII
- * tab size: 8 (not used)

* indentation:4
*
* created on: 2005jan16
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*
* Low-level Unicode bidi/shaping properties access.
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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 bold font" has range (4, 8) replaced with "strong", then it becomes "the strong 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>.

<p>For a subclass to support metadata, typical behavior of <code>replace()</code> is the following:

-

- Set the metadata of the new text to the metadata of the first character replaced

- If no characters are replaced, use the metadata of the previous character
- If there is no previous character (i.e. start == 0), use the following character
- If there is no following character (i.e. the replaceable was empty), use default metadata

- If the code point U+FFFF is seen, it should be interpreted as a special marker having no metadata

If this is not the behavior, the subclass should document any differences.

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@stable ICU 2.0

<code>ReplaceableString</code> is an adapter class that implements the <code>Replaceable</code> API around an ordinary <code>StringBuffer</code>.

<p>Note: 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

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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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1.168 postgresql-jdbc 42.2.5.jre7

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1.170 commons-lang 2.4

1.171 metrics 3.1.1

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1.174 jackson-jaxrs-base 2.9.9

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1.175 objenesis 1.2

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1.176 javax-websocket-api 1.1

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1.177 httpcomponents-core 4.4.1

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1.178 classworlds 1.1

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1.184 opentracing-util 0.31.0

1.185 jetty-io 9.3.27.v20190418

1.186 jetty-http 9.3.27.v20190418

1.187 istack-commons 3.0.7

1.188 smack-extensions 4.1.0

1.189 cxf-rt-transports-http 2.7.3

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1.200 cglib-nodep 3.1

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1.202 jackson-dataformat-yaml 2.7.9

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1.205 spring-framework 4.3.19.RELEASE

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1.215 beanutils 1.9.3

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1.216 minlog 1.2

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1.218 d3 3.5.17

1.219 jtoml 1.0.0

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1.220 spring-security-config 3.2.9

1.221 spring-aspects 4.3.19

1.222 google http client xml 1.20.0

1.223 jul-to-slf4j 1.7.21

1.224 google-http-client 1.15.0

1.225 thrift 0.11.0

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compiler/cpp/src/generate/t_erl_generator.cc
compiler/cpp/src/generate/t_hs_generator.cc
compiler/cpp/src/generate/t_java_generator.cc
compiler/cpp/src/generate/t_ocaml_generator.cc
compiler/cpp/src/generate/t_perl_generator.cc
compiler/cpp/src/generate/t_php_generator.cc
compiler/cpp/src/generate/t_py_generator.cc
compiler/cpp/src/generate/t_rb_generator.cc
compiler/cpp/src/generate/t_st_generator.cc
compiler/cpp/src/generate/t_xsd_generator.cc
compiler/cpp/src/main.cc
compiler/cpp/src/parse/t_field.h
compiler/cpp/src/parse/t_program.h
compiler/cpp/src/platform.h
compiler/cpp/src/thrift.l
compiler/cpp/src/thrift.yy
lib/csharp/src/Protocol/TBinaryProtocol.cs
lib/csharp/src/Protocol/TField.cs
lib/csharp/src/Protocol/TList.cs
lib/csharp/src/Protocol/TMap.cs
lib/csharp/src/Protocol/TMessage.cs
lib/csharp/src/Protocol/TMessageType.cs
lib/csharp/src/Protocol/TProtocol.cs
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lib/csharp/src/Protocol/TProtocolFactory.cs
lib/csharp/src/Protocol/TProtocolUtil.cs
lib/csharp/src/Protocol/TSet.cs
lib/csharp/src/Protocol/TStruct.cs
lib/csharp/src/Protocol/TType.cs
lib/csharp/src/Server/TServer.cs
lib/csharp/src/Server/TSimpleServer.cs
lib/csharp/src/Server/TThreadPoolServer.cs
lib/csharp/src/TApplicationException.cs
lib/csharp/src/Thrift.csproj
lib/csharp/src/Thrift.sln
```

lib/csharp/src/TProcessor.cs
lib/csharp/src/Transport/TServerSocket.cs
lib/csharp/src/Transport/TServerTransport.cs
lib/csharp/src/Transport/TSocket.cs
lib/csharp/src/Transport/TStreamTransport.cs
lib/csharp/src/Transport/TTransport.cs
lib/csharp/src/Transport/TTransportException.cs
lib/csharp/src/Transport/TTransportFactory.cs
lib/csharp/ThriftMSBuildTask/Properties/AssemblyInfo.cs
lib/csharp/ThriftMSBuildTask/ThriftBuild.cs
lib/csharp/ThriftMSBuildTask/ThriftMSBuildTask.csproj
lib/rb/lib/thrift.rb
lib/st/README
lib/st/thrift.st
test/OptionalRequiredTest.cpp
test/OptionalRequiredTest.thrift
test/ThriftTest.thrift

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```

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  <head>
    <meta http-equiv="content-type" content="text/html; charset=iso-8859-1" />
    <title>SLF4J License</title>
    <link rel="stylesheet" type="text/css" media="screen" href="css/site.css" />
  </head>
  <body>
    <script type="text/javascript">prefix=";</script>

    <script src="templates/header.js" type="text/javascript"></script>
    <div id="left">
```

```
<script src="templates/left.js" type="text/javascript"></script>
</div>
<div id="right">
  <script src="templates/right.js" type="text/javascript"></script>
</div>
```

```
<div id="content">
```

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1.229 jedis 2.8.1

1.230 javax-annotation-api 1.3.2

1.231 jest-sonar-reporter 2.0.0

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1.232 jaxb 2.2.11

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```

```
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```

```
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```

```
</head>
```

```
<body>
```

```
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</dl>

</body>

</html>

1.233 bouncy-castle 1.52

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1.234 jacoco-report 0.8.3

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1.237 commons-lang 3.4

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1.238 postgresql 42.2.5.jre7

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1.239 aspect-j 1.9.2

1.240 cxf-rt-core 2.7.3

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1.241 javax-activation 1.2.0

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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.
     *
     * </ul>
     *
     * @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;
    }
}

```

```

/**
 * Set the default CommandMap. Reset the CommandMap to the default by
 * calling this method with null.
 *
 * @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 mimeType 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 DataSource 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 getPreferredCommands
 * 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
* @return the CommandInfo corresponding to the command.
*/
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.
*
* @param mimeType the MIME type
* @param cmdName the command name
* @param ds a 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.
*
* @param mimeType the MIME type
* @param ds a DataSource for the data
* @return the DataContentHandler for the MIME type
* @since JAF 1.1
*/
public DataContentHandler createDataContentHandler(String mimeType,
    DataSource ds) {

```

```

return createDataContentHandler(mimeType);
}

/**
 * Get all the MIME types known to this command map.
 * If the command map doesn't support this operation,
 * null is returned.
 *
 * @return array of MIME types as strings, or null if not supported
 * @since JAF 1.1
 */
public String[] getMimeTypes() {
return null;
}
}

```

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1.243 cglib 3.1

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1.248 asm-commons 7.0

1.249 javax-inject 1

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1.250 babel-plugin-istanbul 4.1.5

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1.251 commons-beanutils 1.9.3

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1.252 commons-cli 1.1

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1.270 opentracing-noop 0.31.0

1.271 jxmpp-util-cache 0.4.1

1.272 spring-instrument 4.3.19

1.273 nimbus-jose-jwt 4.3.1

1.274 jaxb-runtime 2.2.11

1.275 eslint-plugin-import 2.7.0

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1.276 csvtojson 1.1.9

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141 Commits / 70357++ / 66412--

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[Matthias Lienau](https://github.com/atufkas)

9 Commits / 74++ / 45--

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[Keita Akutsu](https://github.com/kakts)

4 Commits / 821++ / 784--

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1.279 metrics-jvm 3.1.0

1.280 jaxb-runtime 2.3.1

1.281 webpack-merge 2.0.0

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1.282 aspectj-tools 1.9.2

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1.284 jaxb-api 2.3.0

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```

```
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```

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```
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```

```
signature of Ty Coon, 1 April 1989
```

```
Ty Coon, President of Vice
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