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1.3 ANTLR 2.7.7

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1.4 ANTLR ST4 4.0.4 4.0.4

1.5 antlr-runtime 3.4

1.6 antlr4-runtime 4.7

1.7 aopalliance-repackaged 2.4.0

1.8 Apache Avro 1.7.7

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1.11 apache-log4j-extras 1.2.17

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1.19 Calcite Avatica 1.2.0-incubating

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1.23 Commons Compiler 3.0.8

1.24 commons-beanutils-core 1.8.0

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1.27 commons-crypto 1.0.0

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LZ4 - Fast LZ compression algorithm
Header File
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*/

For `hadoop-hdfs-project/hadoop-hdfs-native-client/src/main/native/fuse-dfs/util/tree.h`

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* java.sun.security.ssl

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org.apache.tomcat:tomcat-jasper-el

org.apache.tomcat:tomcat-api

org.apache.tomcat:tomcat-util-scan

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org.eclipse.jetty.toolchain:jetty-schemas

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For `hadoop-hdfs-project/hadoop-hdfs-native-client/src/main/native/fuse-dfs/util/tree.h`

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hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/dust-helpers-1.1.1.min.js

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hadoop-tools/hadoop-sls/src/main/html/js/thirdparty/bootstrap.min.js
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- * java.sun.security.ssl

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org.apache.tomcat:tomcat-jasper
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org.eclipse.jetty.toolchain:jetty-schemas

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```

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```
/*
```

LZ4 - Fast LZ compression algorithm

Header File

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You can contact the author at :

- LZ4 source repository : <http://code.google.com/p/lz4/>

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*/

For `hadoop-hdfs-project/hadoop-hdfs-native-client/src/main/native/fuse-dfs/util/tree.h`

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For `hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager/src/main/native/container-executor/impl/compat/{fstatat|openat|unlinkat}.h`:

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`hadoop-yarn-project/hadoop-yarn/hadoop-yarn-common/src/main/resources/webapps/static/jt/jquery.jstree.js.gz`

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leveldbjni-all 1.8

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*/

```
package org.apache.hadoop.fs.permission;
```

```
import java.util.List;
```

```
import org.apache.hadoop.classification.InterfaceAudience;
```

```
import org.apache.hadoop.classification.InterfaceStability;
```

```
import com.google.common.base.Objects;
```

```
import com.google.common.base.Preconditions;
```

```
import com.google.common.collect.Lists;
```

```

/**
 * An AclStatus contains the ACL information of a specific file. AclStatus
 * instances are immutable. Use a {@link Builder} to create a new instance.
 */
@InterfaceAudience.Public
@InterfaceStability.Stable
public class AclStatus {
    private final String owner;
    private final String group;
    private final boolean stickyBit;
    private final List<AclEntry> entries;
    private final FsPermission permission;

    /**
     * Returns the file owner.
     *
     * @return String file owner
     */
    public String getOwner() {
        return owner;
    }

    /**
     * Returns the file group.
     *
     * @return String file group
     */
    public String getGroup() {
        return group;
    }

    /**
     * Returns the sticky bit.
     *
     * @return boolean sticky bit
     */
    public boolean isStickyBit() {
        return stickyBit;
    }

    /**
     * Returns the list of all ACL entries, ordered by their natural ordering.
     *
     * @return List<AclEntry> unmodifiable ordered list of all ACL entries
     */
    public List<AclEntry> getEntries() {
        return entries;
    }
}

```

```

/**
 * Returns the permission set for the path
 * @return { @link FsPermission } for the path
 */
public FsPermission getPermission() {
    return permission;
}

@Override
public boolean equals(Object o) {
    if (o == null) {
        return false;
    }
    if (getClass() != o.getClass()) {
        return false;
    }
    AclStatus other = (AclStatus)o;
    return Objects.equal(owner, other.owner)
        && Objects.equal(group, other.group)
        && stickyBit == other.stickyBit
        && Objects.equal(entries, other.entries);
}

@Override
public int hashCode() {
    return Objects.hashCode(owner, group, stickyBit, entries);
}

@Override
public String toString() {
    return new StringBuilder()
        .append("owner: ").append(owner)
        .append(", group: ").append(group)
        .append(", acl: {")
        .append("entries: ").append(entries)
        .append(", stickyBit: ").append(stickyBit)
        .append('}')
        .toString();
}

/**
 * Builder for creating new Acl instances.
 */
public static class Builder {
    private String owner;
    private String group;
    private boolean stickyBit;

```

```

private List<AclEntry> entries = Lists.newArrayList();
private FsPermission permission = null;

/**
 * Sets the file owner.
 *
 * @param owner String file owner
 * @return Builder this builder, for call chaining
 */
public Builder owner(String owner) {
    this.owner = owner;
    return this;
}

/**
 * Sets the file group.
 *
 * @param group String file group
 * @return Builder this builder, for call chaining
 */
public Builder group(String group) {
    this.group = group;
    return this;
}

/**
 * Adds an ACL entry.
 *
 * @param e AclEntry entry to add
 * @return Builder this builder, for call chaining
 */
public Builder addEntry(AclEntry e) {
    this.entries.add(e);
    return this;
}

/**
 * Adds a list of ACL entries.
 *
 * @param entries AclEntry entries to add
 * @return Builder this builder, for call chaining
 */
public Builder addEntries(Iterable<AclEntry> entries) {
    for (AclEntry e : entries)
        this.entries.add(e);
    return this;
}

```

```

/**
 * Sets sticky bit. If this method is not called, then the builder assumes
 * false.
 *
 * @param stickyBit
 *       boolean sticky bit
 * @return Builder this builder, for call chaining
 */
public Builder stickyBit(boolean stickyBit) {
    this.stickyBit = stickyBit;
    return this;
}

/**
 * Sets the permission for the file.
 * @param permission
 */
public Builder setPermission(FsPermission permission) {
    this.permission = permission;
    return this;
}

/**
 * Builds a new AclStatus populated with the set properties.
 *
 * @return AclStatus new AclStatus
 */
public AclStatus build() {
    return new AclStatus(owner, group, stickyBit, entries, permission);
}
}

/**
 * Private constructor.
 *
 * @param file Path file associated to this ACL
 * @param owner String file owner
 * @param group String file group
 * @param stickyBit the sticky bit
 * @param entries the ACL entries
 * @param permission permission of the path
 */
private AclStatus(String owner, String group, boolean stickyBit,
    Iterable<AclEntry> entries, FsPermission permission) {
    this.owner = owner;
    this.group = group;
    this.stickyBit = stickyBit;
    this.entries = Lists.newArrayList(entries);
}

```



```

    this.permission = permission;
}

/**
 * Get the effective permission for the AclEntry
 * @param entry AclEntry to get the effective action
 */
public FsAction getEffectivePermission(AclEntry entry) {
    return getEffectivePermission(entry, permission);
}

/**
 * Get the effective permission for the AclEntry. <br>
 * Recommended to use this API ONLY if client communicates with the old
 * NameNode, needs to pass the Permission for the path to get effective
 * permission, else use { @link AclStatus#getEffectivePermission(AclEntry)}.
 * @param entry AclEntry to get the effective action
 * @param permArg Permission for the path. However if the client is NOT
 * communicating with old namenode, then this argument will not have
 * any preference.
 * @return Returns the effective permission for the entry.
 * @throws IllegalArgumentException If the client communicating with old
 * namenode and permission is not passed as an argument.
 */
public FsAction getEffectivePermission(AclEntry entry, FsPermission permArg)
    throws IllegalArgumentException {
    // At least one permission bits should be available.
    Preconditions.checkArgument(this.permission != null || permArg != null,
        "Permission bits are not available to calculate effective permission");
    if (this.permission != null) {
        // permission bits from server response will have the priority for
        // accuracy.
        permArg = this.permission;
    }
    if ((entry.getName() != null || entry.getType() == AclEntryType.GROUP)) {
        if (entry.getScope() == AclEntryScope.ACCESS) {
            FsAction entryPerm = entry.getPermission();
            return entryPerm.and(permArg.getGroupAction());
        } else {
            Preconditions.checkArgument(this.entries.contains(entry)
                && this.entries.size() >= 3,
                "Passed default ACL entry not found in the list of ACLs");
            // default mask entry for effective permission calculation will be the
            // penultimate entry. This can be mask entry in case of extended ACLs.
            // In case of minimal ACL, this is the owner group entry, and we end up
            // intersecting group FsAction with itself, which is a no-op.
            FsAction defaultMask = this.entries.get(this.entries.size() - 2)
                .getPermission();

```

```

        FsAction entryPerm = entry.getPermission();
        return entryPerm.and(defaultMask);
    }
} else {
    return entry.getPermission();
}
}
}
}
/**
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 */
package org.apache.hadoop.fs.permission;

import java.util.regex.Pattern;

import org.apache.hadoop.classification.InterfaceAudience;
import org.apache.hadoop.classification.InterfaceStability;
import org.apache.hadoop.fs.FileStatus;

/**
 * Parse a permission mode passed in from a chmod command and apply that
 * mode against an existing file.
 */
@InterfaceAudience.Private
@InterfaceStability.Unstable
public class ChmodParser extends PermissionParser {
    private static Pattern chmodOctalPattern =
        Pattern.compile("^\\s*[+]?([01]?)([0-7]{3})\\s*$");
    private static Pattern chmodNormalPattern =
        Pattern.compile("\\G\\s*([ugoa]*)([+|=|-])([rwxXt]+)([.\\s]*)\\s*");

    public ChmodParser(String modeStr) throws IllegalArgumentException {
        super(modeStr, chmodNormalPattern, chmodOctalPattern);
    }
}

```

```

/**
 * Apply permission against specified file and determine what the
 * new mode would be
 * @param file File against which to apply mode
 * @return File's new mode if applied.
 */
public short applyNewPermission(FileStatus file) {
    FsPermission perms = file.getPermission();
    int existing = perms.toShort();
    boolean exeOk = file.isDirectory() || (existing & 0111) != 0;

    return (short)combineModes(existing, exeOk);
}
}
/**
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 * limitations under the License.
 */
package org.apache.hadoop.fs.permission;

import org.apache.hadoop.classification.InterfaceAudience;
import org.apache.hadoop.classification.InterfaceStability;

/**
 * File system actions, e.g. read, write, etc.
 */
@InterfaceAudience.Public
@InterfaceStability.Stable
public enum FsAction {
    // POSIX style
    NONE("---"),
    EXECUTE("--x"),
    WRITE("-w-"),
    WRITE_EXECUTE("-wx"),

```

```

READ("r-"),
READ_EXECUTE("r-x"),
READ_WRITE("rw-"),
ALL("rwx");

/** Retain reference to value array. */
private final static FsAction[] vals = values();

/** Symbolic representation */
public final String SYMBOL;

private FsAction(String s) {
    SYMBOL = s;
}

/**
 * Return true if this action implies that action.
 * @param that
 */
public boolean implies(FsAction that) {
    if (that != null) {
        return (ordinal() & that.ordinal()) == that.ordinal();
    }
    return false;
}

/** AND operation. */
public FsAction and(FsAction that) {
    return vals[ordinal() & that.ordinal()];
}

/** OR operation. */
public FsAction or(FsAction that) {
    return vals[ordinal() | that.ordinal()];
}

/** NOT operation. */
public FsAction not() {
    return vals[7 - ordinal()];
}

/**
 * Get the FsAction enum for String representation of permissions
 *
 * @param permission
 *      3-character string representation of permission. ex: rwx
 * @return Returns FsAction enum if the corresponding FsAction exists for permission.
 *      Otherwise returns null
 */
public static FsAction getFsAction(String permission) {

```

```

    for (FsAction fsAction : vals) {
        if (fsAction.SYMBOL.equals(permission)) {
            return fsAction;
        }
    }
    return null;
}
}
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 * limitations under the License.
 */
package org.apache.hadoop.fs.permission;

import java.io.DataInput;
import java.io.DataOutput;
import java.io.IOException;

import org.apache.commons.logging.Log;
import org.apache.commons.logging.LogFactory;
import org.apache.hadoop.classification.InterfaceAudience;
import org.apache.hadoop.classification.InterfaceStability;
import org.apache.hadoop.conf.Configuration;
import org.apache.hadoop.fs.CommonConfigurationKeys;
import org.apache.hadoop.io.Writable;
import org.apache.hadoop.io.WritableFactories;
import org.apache.hadoop.io.WritableFactory;

/**
 * A class for file/directory permissions.
 */
@InterfaceAudience.Public
@InterfaceStability.Stable
public class FsPermission implements Writable {
    private static final Log LOG = LogFactory.getLog(FsPermission.class);

```

```

static final WritableFactory FACTORY = new WritableFactory() {
    @Override
    public Writable newInstance() { return new FsPermission(); }
};
static {
    // register a ctor
    WritableFactories.setFactory(FsPermission.class, FACTORY);
    WritableFactories.setFactory(ImmutableFsPermission.class, FACTORY);
}

/** Maximum acceptable length of a permission string to parse */
public static final int MAX_PERMISSION_LENGTH = 10;

/** Create an immutable {@link FsPermission} object. */
public static FsPermission createImmutable(short permission) {
    return new ImmutableFsPermission(permission);
}

//POSIX permission style
private FsAction useraction = null;
private FsAction groupaction = null;
private FsAction otheraction = null;
private boolean stickyBit = false;

private FsPermission() {}

/**
 * Construct by the given {@link FsAction}.
 * @param u user action
 * @param g group action
 * @param o other action
 */
public FsPermission(FsAction u, FsAction g, FsAction o) {
    this(u, g, o, false);
}

public FsPermission(FsAction u, FsAction g, FsAction o, boolean sb) {
    set(u, g, o, sb);
}

/**
 * Construct by the given mode.
 * @param mode
 * @see #toShort()
 */
public FsPermission(short mode) { fromShort(mode); }

/**

```

```

* Copy constructor
*
* @param other other permission
*/
public FsPermission(FsPermission other) {
    this.useraction = other.useraction;
    this.groupaction = other.groupaction;
    this.otheraction = other.otheraction;
    this.stickyBit = other.stickyBit;
}

/**
* Construct by given mode, either in octal or symbolic format.
* @param mode mode as a string, either in octal or symbolic format
* @throws IllegalArgumentException if <code>mode</code> is invalid
*/
public FsPermission(String mode) {
    this(new UmaskParser(mode).getUMask());
}

/** Return user { @link FsAction}. */
public FsAction getUserAction() {return useraction;}

/** Return group { @link FsAction}. */
public FsAction getGroupAction() {return groupaction;}

/** Return other { @link FsAction}. */
public FsAction getOtherAction() {return otheraction;}

private void set(FsAction u, FsAction g, FsAction o, boolean sb) {
    useraction = u;
    groupaction = g;
    otheraction = o;
    stickyBit = sb;
}

public void fromShort(short n) {
    FsAction[] v = FSACTION_VALUES;
    set(v[(n >>> 6) & 7], v[(n >>> 3) & 7], v[n & 7], (((n >>> 9) & 1) == 1));
}

@Override
public void write(DataOutput out) throws IOException {
    out.writeShort(toShort());
}

@Override
public void readFields(DataInput in) throws IOException {

```

```

    fromShort(in.readShort());
}

/**
 * Create and initialize a {@link FsPermission} from {@link DataInput}.
 */
public static FsPermission read(DataInput in) throws IOException {
    FsPermission p = new FsPermission();
    p.readFields(in);
    return p;
}

/**
 * Encode the object to a short.
 */
public short toShort() {
    int s = (stickyBit ? 1 << 9 : 0) |
        (useraction.ordinal() << 6) |
        (groupaction.ordinal() << 3) |
        otheraction.ordinal();

    return (short)s;
}

/**
 * Encodes the object to a short. Unlike {@link #toShort()}, this method may
 * return values outside the fixed range 00000 - 01777 if extended features
 * are encoded into this permission, such as the ACL bit.
 *
 * @return short extended short representation of this permission
 */
public short toExtendedShort() {
    return toShort();
}

@Override
public boolean equals(Object obj) {
    if (obj instanceof FsPermission) {
        FsPermission that = (FsPermission)obj;
        return this.useraction == that.useraction
            && this.groupaction == that.groupaction
            && this.otheraction == that.otheraction
            && this.stickyBit == that.stickyBit;
    }
    return false;
}

@Override

```



```

public int hashCode() {return toShort();}

@Override
public String toString() {
    String str = useraction.SYMBOL + groupaction.SYMBOL + otheraction.SYMBOL;
    if(stickyBit) {
        StringBuilder str2 = new StringBuilder(str);
        str2.replace(str2.length() - 1, str2.length(),
            otheraction.implies(FsAction.EXECUTE) ? "t" : "T");
        str = str2.toString();
    }

    return str;
}

/**
 * Apply a umask to this permission and return a new one.
 *
 * The umask is used by create, mkdir, and other Hadoop filesystem operations.
 * The mode argument for these operations is modified by removing the bits
 * which are set in the umask. Thus, the umask limits the permissions which
 * newly created files and directories get.
 *
 * @param umask      The umask to use
 *
 * @return           The effective permission
 */
public FsPermission applyUMask(FsPermission umask) {
    return new FsPermission(useraction.and(umask.useraction.not()),
        groupaction.and(umask.groupaction.not()),
        otheraction.and(umask.otheraction.not()));
}

/** umask property label deprecated key and code in getUMask method
 * to accommodate it may be removed in version .23 */
public static final String DEPRECATED_UMASK_LABEL = "dfs.umask";
public static final String UMASK_LABEL =
    CommonConfigurationKeys.FS_PERMISSIONS_UMASK_KEY;
public static final int DEFAULT_UMASK =
    CommonConfigurationKeys.FS_PERMISSIONS_UMASK_DEFAULT;

private static final FsAction[] FSACTION_VALUES = FsAction.values();

/**
 * Get the user file creation mask (umask)
 *
 * { @code UMASK_LABEL } config param has umask value that is either symbolic
 * or octal.

```

```

*
* Symbolic umask is applied relative to file mode creation mask;
* the permission op characters '+' clears the corresponding bit in the mask,
* '-' sets bits in the mask.
*
* Octal umask, the specified bits are set in the file mode creation mask.
*
* {@code DEPRECATED_UMASK_LABEL} config param has umask value set to decimal.
*/
public static FsPermission getUMask(Configuration conf) {
    int umask = DEFAULT_UMASK;

    // To ensure backward compatibility first use the deprecated key.
    // If the deprecated key is not present then check for the new key
    if(conf != null) {
        String confUmask = conf.get(UMASK_LABEL);
        int oldUmask = conf.getInt(DEPRECATED_UMASK_LABEL, Integer.MIN_VALUE);
        try {
            if(confUmask != null) {
                umask = new UmaskParser(confUmask).getUMask();
            }
        } catch(IllegalArgumentException iae) {
            // Provide more explanation for user-facing message
            String type = iae instanceof NumberFormatException ? "decimal"
                : "octal or symbolic";
            String error = "Unable to parse configuration " + UMASK_LABEL
                + " with value " + confUmask + " as " + type + " umask.";
            LOG.warn(error);

            // If oldUmask is not set, then throw the exception
            if (oldUmask == Integer.MIN_VALUE) {
                throw new IllegalArgumentException(error);
            }
        }

        if(oldUmask != Integer.MIN_VALUE) { // Property was set with old key
            if (umask != oldUmask) {
                LOG.warn(DEPRECATED_UMASK_LABEL
                    + " configuration key is deprecated. " + "Convert to "
                    + UMASK_LABEL + ", using octal or symbolic umask "
                    + "specifications.");
                // Old and new umask values do not match - Use old umask
                umask = oldUmask;
            }
        }
    }

    return new FsPermission((short)umask);
}

```

```

}

public boolean getStickyBit() {
    return stickyBit;
}

/**
 * Returns true if there is also an ACL (access control list).
 *
 * @return boolean true if there is also an ACL (access control list).
 */
public boolean getAclBit() {
    // File system subclasses that support the ACL bit would override this.
    return false;
}

/**
 * Returns true if the file is encrypted or directory is in an encryption zone
 */
public boolean getEncryptedBit() {
    return false;
}

/** Set the user file creation mask (umask) */
public static void setUMask(Configuration conf, FsPermission umask) {
    conf.set(UMASK_LABEL, String.format("%1$03o", umask.toShort()));
    conf.setInt(DEPRECATED_UMASK_LABEL, umask.toShort());
}

/**
 * Get the default permission for directory and symlink.
 * In previous versions, this default permission was also used to
 * create files, so files created end up with ugo+x permission.
 * See HADOOP-9155 for detail.
 * Two new methods are added to solve this, please use
 * {@link FsPermission#getDirDefault()} for directory, and use
 * {@link FsPermission#getFileDefault()} for file.
 * This method is kept for compatibility.
 */
public static FsPermission getDefault() {
    return new FsPermission((short)00777);
}

/**
 * Get the default permission for directory.
 */
public static FsPermission getDirDefault() {
    return new FsPermission((short)00777);
}

```

```

}

/**
 * Get the default permission for file.
 */
public static FsPermission getFileDefault() {
    return new FsPermission((short)00666);
}

/**
 * Get the default permission for cache pools.
 */
public static FsPermission getCachePoolDefault() {
    return new FsPermission((short)00755);
}

/**
 * Create a FsPermission from a Unix symbolic permission string
 * @param unixSymbolicPermission e.g. "-rw-rw-rw-"
 */
public static FsPermission valueOf(String unixSymbolicPermission) {
    if (unixSymbolicPermission == null) {
        return null;
    }
    else if (unixSymbolicPermission.length() != MAX_PERMISSION_LENGTH) {
        throw new IllegalArgumentException(String.format(
            "length != %d(unixSymbolicPermission=%s)", MAX_PERMISSION_LENGTH,
            unixSymbolicPermission));
    }

    int n = 0;
    for(int i = 1; i < unixSymbolicPermission.length(); i++) {
        n = n << 1;
        char c = unixSymbolicPermission.charAt(i);
        n += (c == '-' || c == 'T' || c == 'S') ? 0: 1;
    }

    // Add sticky bit value if set
    if(unixSymbolicPermission.charAt(9) == 't' ||
        unixSymbolicPermission.charAt(9) == 'T')
        n += 01000;

    return new FsPermission((short)n);
}

private static class ImmutableFsPermission extends FsPermission {
    public ImmutableFsPermission(short permission) {
        super(permission);
    }
}

```

```

    }

    @Override
    public void readFields(DataInput in) throws IOException {
        throw new UnsupportedOperationException();
    }
}
}
}
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 */
package org.apache.hadoop.fs.permission;

import java.util.Collections;
import java.util.List;

import org.apache.hadoop.classification.InterfaceAudience;
import org.apache.hadoop.classification.InterfaceStability;
import org.apache.hadoop.fs.permission.AclEntry;
import org.apache.hadoop.fs.permission.AclEntryScope;

/**
 * Groups a list of ACL entries into separate lists for access entries vs.
 * default entries.
 */
@InterfaceAudience.LimitedPrivate({"HDFS", "MapReduce"})
@InterfaceStability.Unstable
public final class ScopedAclEntries {
    private static final int PIVOT_NOT_FOUND = -1;

    private final List<AclEntry> accessEntries;
    private final List<AclEntry> defaultEntries;

    /**

```

```

* Creates a new ScopedAclEntries from the given list. It is assumed that the
* list is already sorted such that all access entries precede all default
* entries.
*
* @param aclEntries List<AclEntry> to separate
*/
public ScopedAclEntries(List<AclEntry> aclEntries) {
    int pivot = calculatePivotOnDefaultEntries(aclEntries);
    if (pivot != PIVOT_NOT_FOUND) {
        accessEntries = pivot != 0 ? aclEntries.subList(0, pivot) :
            Collections.<AclEntry>emptyList();
        defaultEntries = aclEntries.subList(pivot, aclEntries.size());
    } else {
        accessEntries = aclEntries;
        defaultEntries = Collections.emptyList();
    }
}

/**
* Returns access entries.
*
* @return List<AclEntry> containing just access entries, or an empty list if
* there are no access entries
*/
public List<AclEntry> getAccessEntries() {
    return accessEntries;
}

/**
* Returns default entries.
*
* @return List<AclEntry> containing just default entries, or an empty list if
* there are no default entries
*/
public List<AclEntry> getDefaultEntries() {
    return defaultEntries;
}

/**
* Returns the pivot point in the list between the access entries and the
* default entries. This is the index of the first element in the list that is
* a default entry.
*
* @param aclBuilder ArrayList<AclEntry> containing entries to build
* @return int pivot point, or -1 if list contains no default entries
*/
private static int calculatePivotOnDefaultEntries(List<AclEntry> aclBuilder) {
    for (int i = 0; i < aclBuilder.size(); ++i) {

```

```

    if (aclBuilder.get(i).getScope() == AclEntryScope.DEFAULT) {
        return i;
    }
}
return PIVOT_NOT_FOUND;
}
}
/**
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 * limitations under the License.
 */
package org.apache.hadoop.fs.permission;

import java.io.IOException;

import org.apache.hadoop.classification.InterfaceAudience;
import org.apache.hadoop.classification.InterfaceStability;

/**
 * An exception class for access control related issues.
 * @deprecated Use { @link org.apache.hadoop.security.AccessControlException }
 * instead.
 */
@Deprecated
@InterfaceAudience.Public
@InterfaceStability.Stable
public class AccessControlException extends IOException {
    //Required by { @link java.io.Serializable }.
    private static final long serialVersionUID = 1L;

    /**
     * Default constructor is needed for unwrapping from
     * { @link org.apache.hadoop.ipc.RemoteException }.
     */
    public AccessControlException() {

```

```

    super("Permission denied.");
}

/**
 * Constructs an {@link AccessControlException}
 * with the specified detail message.
 * @param s the detail message.
 */
public AccessControlException(String s) {
    super(s);
}

/**
 * Constructs a new exception with the specified cause and a detail
 * message of <tt>(cause==null ? null : cause.toString())</tt> (which
 * typically contains the class and detail message of <tt>cause</tt>).
 * @param cause the cause (which is saved for later retrieval by the
 *     {@link #getCause()} method). (A <tt>>null</tt> value is
 *     permitted, and indicates that the cause is nonexistent or
 *     unknown.)
 */
public AccessControlException(Throwable cause) {
    super(cause);
}
}
}

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 * limitations under the License.
 */
package org.apache.hadoop.fs.permission;

import org.apache.hadoop.classification.InterfaceAudience;
import org.apache.hadoop.classification.InterfaceStability;
import org.apache.hadoop.io.*;

```



```

import java.io.DataInput;
import java.io.DataOutput;
import java.io.IOException;

/**
 * Store permission related information.
 */
@interfaceAudience.LimitedPrivate({"HDFS", "MapReduce"})
@interfaceStability.Unstable
public class PermissionStatus implements Writable {
    static final WritableFactory FACTORY = new WritableFactory() {
        @Override
        public Writable newInstance() { return new PermissionStatus(); }
    };
    static {
        // register a ctor
        WritableFactories.setFactory(PermissionStatus.class, FACTORY);
    }

    /** Create an immutable {@link PermissionStatus} object. */
    public static PermissionStatus createImmutable(
        String user, String group, FsPermission permission) {
        return new PermissionStatus(user, group, permission) {
            @Override
            public PermissionStatus applyUMask(FsPermission umask) {
                throw new UnsupportedOperationException();
            }
            @Override
            public void readFields(DataInput in) throws IOException {
                throw new UnsupportedOperationException();
            }
        };
    }

    private String username;
    private String groupname;
    private FsPermission permission;

    private PermissionStatus() {}

    /** Constructor */
    public PermissionStatus(String user, String group, FsPermission permission) {
        username = user;
        groupname = group;
        this.permission = permission;
    }

    /** Return user name */
    public String getUserName() {return username;}

```

```

/** Return group name */
public String getGroupName() {return groupname;}

/** Return permission */
public FsPermission getPermission() {return permission;}

/**
 * Apply umask.
 * @see FsPermission#applyUMask(FsPermission)
 */
public PermissionStatus applyUMask(FsPermission umask) {
    permission = permission.applyUMask(umask);
    return this;
}

@Override
public void readFields(DataInput in) throws IOException {
    username = Text.readString(in, Text.DEFAULT_MAX_LEN);
    groupname = Text.readString(in, Text.DEFAULT_MAX_LEN);
    permission = FsPermission.read(in);
}

@Override
public void write(DataOutput out) throws IOException {
    write(out, username, groupname, permission);
}

/**
 * Create and initialize a {@link PermissionStatus} from {@link DataInput}.
 */
public static PermissionStatus read(DataInput in) throws IOException {
    PermissionStatus p = new PermissionStatus();
    p.readFields(in);
    return p;
}

/**
 * Serialize a {@link PermissionStatus} from its base components.
 */
public static void write(DataOutput out,
                        String username,
                        String groupname,
                        FsPermission permission) throws IOException {
    Text.writeString(out, username, Text.DEFAULT_MAX_LEN);
    Text.writeString(out, groupname, Text.DEFAULT_MAX_LEN);
    permission.write(out);
}

```

```

@Override
public String toString() {
    return username + ":" + groupname + ":" + permission;
}
}
/**
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 * distributed with this work for additional information
 * regarding copyright ownership. The ASF licenses this file
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 * http://www.apache.org/licenses/LICENSE-2.0
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 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */
package org.apache.hadoop.fs.permission;

import java.util.Iterator;
import java.util.List;

import org.apache.hadoop.classification.InterfaceAudience;
import org.apache.hadoop.classification.InterfaceStability;

import com.google.common.collect.Lists;

/**
 * AclUtil contains utility methods for manipulating ACLs.
 */
@InterfaceAudience.LimitedPrivate({"HDFS", "MapReduce"})
@InterfaceStability.Unstable
public final class AclUtil {

    /**
     * Given permissions and extended ACL entries, returns the full logical ACL.
     *
     * @param perm FsPermission containing permissions
     * @param entries List<AclEntry> containing extended ACL entries
     * @return List<AclEntry> containing full logical ACL
     */
    public static List<AclEntry> getAclFromPermAndEntries(FsPermission perm,

```

```

    List<AclEntry> entries) {
List<AclEntry> acl = Lists.newArrayListWithCapacity(entries.size() + 3);

// Owner entry implied by owner permission bits.
acl.add(new AclEntry.Builder()
    .setScope(AclEntryScope.ACCESS)
    .setType(AclEntryType.USER)
    .setPermission(perm.getUserAction())
    .build());

// All extended access ACL entries.
boolean hasAccessAcl = false;
Iterator<AclEntry> entryIter = entries.iterator();
AclEntry curEntry = null;
while (entryIter.hasNext()) {
    curEntry = entryIter.next();
    if (curEntry.getScope() == AclEntryScope.DEFAULT) {
        break;
    }
    hasAccessAcl = true;
    acl.add(curEntry);
}

// Mask entry implied by group permission bits, or group entry if there is
// no access ACL (only default ACL).
acl.add(new AclEntry.Builder()
    .setScope(AclEntryScope.ACCESS)
    .setType(hasAccessAcl ? AclEntryType.MASK : AclEntryType.GROUP)
    .setPermission(perm.getGroupAction())
    .build());

// Other entry implied by other bits.
acl.add(new AclEntry.Builder()
    .setScope(AclEntryScope.ACCESS)
    .setType(AclEntryType.OTHER)
    .setPermission(perm.getOtherAction())
    .build());

// Default ACL entries.
if (curEntry != null && curEntry.getScope() == AclEntryScope.DEFAULT) {
    acl.add(curEntry);
    while (entryIter.hasNext()) {
        acl.add(entryIter.next());
    }
}

return acl;
}

```

```

/**
 * Translates the given permission bits to the equivalent minimal ACL.
 *
 * @param perm FsPermission to translate
 * @return List<AclEntry> containing exactly 3 entries representing the owner,
 *         group and other permissions
 */
public static List<AclEntry> getMinimalAcl(FsPermission perm) {
    return Lists.newArrayList(
        new AclEntry.Builder()
            .setScope(AclEntryScope.ACCESS)
            .setType(AclEntryType.USER)
            .setPermission(perm.getUserAction())
            .build(),
        new AclEntry.Builder()
            .setScope(AclEntryScope.ACCESS)
            .setType(AclEntryType.GROUP)
            .setPermission(perm.getGroupAction())
            .build(),
        new AclEntry.Builder()
            .setScope(AclEntryScope.ACCESS)
            .setType(AclEntryType.OTHER)
            .setPermission(perm.getOtherAction())
            .build());
}

/**
 * Checks if the given entries represent a minimal ACL (contains exactly 3
 * entries).
 *
 * @param entries List<AclEntry> entries to check
 * @return boolean true if the entries represent a minimal ACL
 */
public static boolean isMinimalAcl(List<AclEntry> entries) {
    return entries.size() == 3;
}

/**
 * There is no reason to instantiate this class.
 */
private AclUtil() {
}
}
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pqrsInnerClassesFACTORY&Lorg/apache/hadoop/io/WritableFactory;usernameLjava/lang/String; groupname
permission.Lorg/apache/hadoop/fs/permission/FsPermission;createImmutable(Ljava/lang/String;Ljava/lang/String;L
org/apache/hadoop/fs/permission/FsPermission;)Lorg/apache/hadoop/fs/permission/PermissionStatus;CodeLineNu
mberTableLocalVariableTableusergroup<init>()Vthis2Lorg/apache/hadoop/fs/permission/PermissionStatus;U(Ljava
/lang/String;Ljava/lang/String;Lorg/apache/hadoop/fs/permission/FsPermission;)VgetUsername(Ljava/lang/String;
getGroupName
getPermission0()Lorg/apache/hadoop/fs/permission/FsPermission;
applyUMask(Lorg/apache/hadoop/fs/permission/FsPermission;)Lorg/apache/hadoop/fs/permission/PermissionStat
us;umask
readFields(Ljava/io/DataInput;)VinLjava/io/DataInput;
Exceptionstwrite(Ljava/io/DataOutput;)VoutLjava/io/DataOutput;readG(Ljava/io/DataInput;)Lorg/apache/hadoop/fs
/permission/PermissionStatus;pi(Ljava/io/DataOutput;Ljava/lang/String;Ljava/lang/String;Lorg/apache/hadoop/fs/pe
rmission/FsPermission;)VtoString7(Lorg/apache/hadoop/fs/permission/PermissionStatus$1;)Vx04Lorg/apache/hado
op/fs/permission/PermissionStatus$1;<clinit>
SourceFilePermissionStatus.javaRuntimeVisibleAnnotationsvLimitedPrivateCLorg/apache/hadoop/classification/Int
erfaceAudience$LimitedPrivate;valueHDFS
MapReduceXUnstable>Lorg/apache/hadoop/classification/InterfaceStability$Unstable;-
.org/apache/hadoop/fs/permission/PermissionStatus$2-
1!"#$%y7z{|}D~@G0org/apache/hadoop/fs/permission/PermissionStatus;@Ajava/lang/StringBuilder:H32org/apa
che/hadoop/fs/permission/PermissionStatus$1
java/lang/Objectorg/apache/hadoop/io/Writablejava/io/IOExceptionAorg/apache/hadoop/classification/InterfaceAud
ience$LimitedPrivate<org/apache/hadoop/classification/InterfaceStability$Unstable,org/apache/hadoop/fs/permisio
n/FsPermission^(Lorg/apache/hadoop/fs/permission/FsPermission;)Lorg/apache/hadoop/fs/permission/FsPermission
;org/apache/hadoop/io/Text
readString((Ljava/io/DataInput;I)Ljava/lang/String;C(Ljava/io/DataInput;)Lorg/apache/hadoop/fs/permission/FsPer
mission;writeString*(Ljava/io/DataOutput;Ljava/lang/String;I)Iappend-
(Ljava/lang/String;)Ljava/lang/StringBuilder;-
(Ljava/lang/Object;)Ljava/lang/StringBuilder;&org/apache/hadoop/io/WritableFactories
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Signature()V<clinit>@Ljava/lang/Enum<Lorg/apache/hadoop/fs/permission/AclEntryType;>

SourceFileAclEntryType.javaRuntimeVisibleAnnotations?PublicInnerClasses;Lorg/apache/hadoop/classification/InterfaceAudience\$Public;AEvolving>Lorg/apache/hadoop/classification/InterfaceStability\$Evolving;BC,org/apache/hadoop/fs/permission/AclEntryTypeD!"!";java/lang/EnumE9org/apache/hadoop/classification/InterfaceAudience\$PublicF<org/apache/hadoop/classification/InterfaceStability\$Evolvingclone()Ljava/lang/Object;5(Ljava/lang/Class;Ljava/lang/String;)Ljava/lang/Enum;2org/apache/hadoop/classification/InterfaceAudience3org/apache/hadoop/classification/InterfaceStability@1 @ @ @ @ "

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<init>()VCodeLineNumberTableLocalVariableTablethisInnerClasses0Lorg/apache/hadoop/fs/permission/FsPermission\$1;newInstance!()Lorg/apache/hadoop/io/Writable;

SourceFileFsPermission.javaEnclosingMethod,org/apache/hadoop/fs/permission/FsPermission.org/apache/hadoop/fs/permission/FsPermission\$1java/lang/Object\$org/apache/hadoop/io/WritableFactory3(Lorg/apache/hadoop/fs/permission/FsPermission\$1;)V0 /*

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mberTableLocalVariableTablethis+Lorg/apache/hadoop/fs/permission/AclStatus;getGroupisStickyBit(Z
getEntries(Ljava/util/List;>)(Ljava/util/List<Lorg/apache/hadoop/fs/permission/AclEntry;>;equals(Ljava/lang/Objec
t;)ZoLjava/lang/Object;other
StackMapTable[hashCode()ItoString<init><(Ljava/lang/String;Ljava/lang/String;ZLjava/lang/Iterable;)VLjava/lang
/Iterable;LocalVariableTypeTable@Ljava/lang/Iterable<Lorg/apache/hadoop/fs/permission/AclEntry;>;h(Ljava/lan
g/String;Ljava/lang/String;ZLjava/lang/Iterable<Lorg/apache/hadoop/fs/permission/AclEntry;>;>)Vi(Ljava/lang/Strin
g;Ljava/lang/String;ZLjava/lang/Iterable;Lorg/apache/hadoop/fs/permission/AclStatus$1;Vx0x1x2x3x4-
Lorg/apache/hadoop/fs/permission/AclStatus$1;
SourceFileAclStatus.javaRuntimeVisibleAnnotationsPublic;Lorg/apache/hadoop/classification/InterfaceAudience$
Public;uEvolving>Lorg/apache/hadoop/classification/InterfaceStability$Evolving;?@ !
"#%vw)org/apache/hadoop/fs/permission/AclStatusxyzjava/lang/Object{}<~java/lang/StringBuilder?owner: ,
group: , acl: { entries:
, stickyBit:
>)+org/apache/hadoop/fs/permission/AclStatus$1lorg/apache/hadoop/fs/permission/AclStatus$Builder9org/apache/
hadoop/classification/InterfaceAudience$Public<org/apache/hadoop/classification/InterfaceStability$EvolvinggetCl
ass(Ljava/lang/Class;com/google/common/base/Objectsequal'(Ljava/lang/Object;Ljava/lang/Object;)Zjava/lang/Bo
oleanvalueOf(Z)Ljava/lang/Boolean;([Ljava/lang/Object;)I()Vappend-
(Ljava/lang/String;)Ljava/lang/StringBuilder;-
(Ljava/lang/Object;)Ljava/lang/StringBuilder;(Z)Ljava/lang/StringBuilder;(C)Ljava/lang/StringBuilder;com/google/
common/collect/ListsnewArrayList+(Ljava/lang/Iterable;)Ljava/util/ArrayList;2org/apache/hadoop/classification/Int
erfaceAudience3org/apache/hadoop/classification/InterfaceStability! !"#%&'()*+,-./:;?@<=>*Y*SY*SY*
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mission/AclEntryScope;values2)[Lorg/apache/hadoop/fs/permission/AclEntryScope;CodeLineNumberTablevalueO

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;<init>(Ljava/lang/String;I)Vthis
Signature()V<clinit>ALjava/lang/Enum<Lorg/apache/hadoop/fs/permission/AclEntryScope;>;
SourceFileAclEntryScope.javaRuntimeVisibleAnnotations7PublicInnerClasses;Lorg/apache/hadoop/classification/I
nterfaceAudience$Public;9Evolving>Lorg/apache/hadoop/classification/InterfaceStability$Evolving;;;-
org/apache/hadoop/fs/permission/AclEntryScope<
java/lang/Enum=9org/apache/hadoop/classification/InterfaceAudience$Public><org/apache/hadoop/classification/In
terfaceStability$Evolvingclone()Ljava/lang/Object;5(Ljava/lang/Class;Ljava/lang/String;)Ljava/lang/Enum;2org/apa
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che/hadoop/fs/permission/AclEntry
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accessEntriesLjava/util/List;
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eLineNumberTableLocalVariableTablethis2Lorg/apache/hadoop/fs/permission/ScopedAclEntries;
aclEntriespivotLocalVariableTypeTable
StackMapTableIK?(Ljava/util/List<Lorg/apache/hadoop/fs/permission/AclEntry;>;)VgetAccessEntries()Ljava/util/L
ist;>(Ljava/util/List<Lorg/apache/hadoop/fs/permission/AclEntry;>;getDefaultEntriescalculatePivotOnDefaultEntri
es(Ljava/util/List;)Ii
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assification/InterfaceAudience$LimitedPrivate;valueHDFS
MapReduceOUnstable>Lorg/apache/hadoop/classification/InterfaceStability$Unstable;P)*KQRST&UVWX(org/ap
ache/hadoop/fs/permission/AclEntryYZ[[]0org/apache/hadoop/fs/permission/ScopedAclEntriesjava/lang/Objectjava/
util/List^Aorg/apache/hadoop/classification/InterfaceAudience$LimitedPrivate_<org/apache/hadoop/classification/I
nterfaceStability$Unstable()VsubList(II)Ljava/util/List;java/util/Collections
emptyListsSize()Iget(I)Ljava/lang/Object;getScope1()Lorg/apache/hadoop/fs/permission/AclEntryScope;-
org/apache/hadoop/fs/permission/AclEntryScopeDEFAULT/Lorg/apache/hadoop/fs/permission/AclEntryScope;2or
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)*<**
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ImmutableFsPermissionInnerClassesLOG

Lorg/apache/commons/logging/Log;FACTORY&Lorg/apache/hadoop/io/WritableFactory;MAX_PERMISSION_LENGTH

ConstantValue

useraction*Lorg/apache/hadoop/fs/permission/FsAction;groupactionotheraction

stickyBitZDEPRECATED_UMASK_LABELLjava/lang/String;UMASK_LABEL

DEFAULT_UMASKFSACTION_VALUES+[Lorg/apache/hadoop/fs/permission/FsAction;createImmutable1(S)Lorg

rg/apache/hadoop/fs/permission/FsPermission;CodeLineNumberTableLocalVariableTable

permissionS<init>()Vthis.Lorg/apache/hadoop/fs/permission/FsPermission;(Lorg/apache/hadoop/fs/permission/FsA

ction;Lorg/apache/hadoop/fs/permission/FsAction;Lorg/apache/hadoop/fs/permission/FsAction;)Vugo(Lorg/apache/

```

hadoop/fs/permission/FsAction;Lorg/apache/hadoop/fs/permission/FsAction;Lorg/apache/hadoop/fs/permission/FsAction;Z)Vsb(S)Vmode1(Lorg/apache/hadoop/fs/permission/FsPermission;)Vother(Ljava/lang/String;)V
getUserAction,(Lorg/apache/hadoop/fs/permission/FsAction;getGroupActiongetOtherActionset fromShortnv
StackMapTable^write(Ljava/io/DataOutput;)VoutLjava/io/DataOutput;
Exceptions
readFields(Ljava/io/DataInput;)VinLjava/io/DataInput;readC(Ljava/io/DataInput;)Lorg/apache/hadoop/fs/permission/FsPermission;ptoShort(S)stoExtendedShortequals(Ljava/lang/Object;)ZthatobjLjava/lang/Object;hashCode()ItoString(Ljava/lang/String;str2Ljava/lang/StringBuilder;str
applyUMask^(Lorg/apache/hadoop/fs/permission/FsPermission;)Lorg/apache/hadoop/fs/permission/FsPermission;umaskgetUMaskV(Lorg/apache/hadoop/conf/Configuration;)Lorg/apache/hadoop/fs/permission/FsPermission;typeerr
oriae$Ljava/lang/IllegalArgumentException;
confUmaskoldUmaskconf&Lorg/apache/hadoop/conf/Configuration;getStickyBit(Z
getAclBitgetEncryptedBitsetUMaskW(Lorg/apache/hadoop/conf/Configuration;Lorg/apache/hadoop/fs/permission/FsPermission;)V
getDefault0(Lorg/apache/hadoop/fs/permission/FsPermission;
getDirDefaultgetFileDefaultgetCachePoolDefaultvalueOfB(Ljava/lang/String;)Lorg/apache/hadoop/fs/permission/FsPermission;cIunixSymbolicPermission3(Lorg/apache/hadoop/fs/permission/FsPermission$1;)Vx00Lorg/apache/hadoop/fs/permission/FsPermission$1;<clinit>
SourceFileFsPermission.javaRuntimeVisibleAnnotationsPublic;Lorg/apache/hadoop/classification/InterfaceAudience$Public;Stable<Lorg/apache/hadoop/classification/InterfaceStability$Stable;fgBorg/apache/hadoop/fs/permission/FsPermission$ImmutableFsPermissionfpRSTSUSVWfnynzp+org/apache/hadoop/fs/permission/UmaskParserft]^,org/apache/hadoop/fs/permission/FsPermission java/lang/StringBuilder!Y"#%S&'t()*v+,fjfs.permissions.umask-mode-./dfs.umask01"java/lang/IllegalArgumentExceptionjava/lang/NumberFormatExceptiondecimaloctal or symbolicCUnable to parse configuration fs.permissions.umask-mode with value as umask.JK234~dfs.umask configuration key is deprecated. Convert to fs.permissions.umask-mode, using octal or symbolic umask specifications.%1$03ojava/lang/Object5678y9:;length !=
%d(unixSymbolicPermission=%s)<=>?@AB.org/apache/hadoop/fs/permission/FsPermission$1LMCDEFGorg/apache/hadoop/io/Writable(org/apache/hadoop/fs/permission/FsActionjava/io/IOExceptionjava/lang/StringH9org/apache/hadoop/classification/InterfaceAudience$PublicI:org/apache/hadoop/classification/InterfaceStability$Stablejava/io/DataOutput
writeShort(I)Vjava/io/DataInput readShortordinalSYMBOLappend-
(Ljava/lang/String;)Ljava/lang/StringBuilder;lengthEXECUTEimplies-
(Lorg/apache/hadoop/fs/permission/FsAction;)Zreplace/(ILjava/lang/String;)Ljava/lang/StringBuilder;notandV(Lorg/apache/hadoop/fs/permission/FsAction;)Lorg/apache/hadoop/fs/permission/FsAction;$org/apache/hadoop/conf/Configurationget&(Ljava/lang/String;)Ljava/lang/String;getInt(Ljava/lang/String;I)Iorg/apache/commons/logging/Log warn(Ljava/lang/Object;)Vjava/lang/Short(S)Ljava/lang/Short;format9(Ljava/lang/String;[Ljava/lang/Object;)Ljava/lang/String;(Ljava/lang/String;Ljava/lang/String;)VsetInt(Ljava/lang/String;I)Vjava/lang/Integer(I)Ljava/lang/Integer;charAt(I)C%org/apache/commons/logging/LogFactorygetLog3(Ljava/lang/Class;)Lorg/apache/commons/logging/Log;&org/apache/hadoop/io/WritableFactories
setFactory:(Ljava/lang/Class;Lorg/apache/hadoop/io/WritableFactory;)Vvalues-
([Lorg/apache/hadoop/fs/permission/FsAction;2org/apache/hadoop/classification/InterfaceAudience3org/apache/hadoop/classification/InterfaceStability!7FJKLMNQPQRSTSUSVWXYYP(ZYP&[OP]^!_`a3 Yb8c defgaW*****bA<=>?AchifjaU *+,- b
JKc* hi kS IS mSfna"*****+,-
bM<=>?N!Oc4"hi"ks"IS"mS"oWfpaf*****bV<=>?Vchiquefra9*****+*+*+*+b*
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b
jkchiq Yuva/*bnchiwva/*bqchixva/*btchiynax*+*,*-*bwx

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InnerClassesBuildertype.Lorg/apache/hadoop/fs/permission/AclEntryType;nameLjava/lang/String;
permission*Lorg/apache/hadoop/fs/permission/FsAction;scope/Lorg/apache/hadoop/fs/permission/AclEntryScope;g
etType0()Lorg/apache/hadoop/fs/permission/AclEntryType;CodeLineNumberTableLocalVariableTablethis*Lorg/ap
ache/hadoop/fs/permission/AclEntry;getName()Ljava/lang/String;
getPermission,(Lorg/apache/hadoop/fs/permission/FsAction;getScope1()Lorg/apache/hadoop/fs/permission/AclEnt
ryScope;equals(Ljava/lang/Object;)ZLjava/lang/Object;other
StackMapTablehashCode()ItoStringLjava/lang/StringBuilder;<init>(Lorg/apache/hadoop/fs/permission/AclEntry
Type;Ljava/lang/String;Lorg/apache/hadoop/fs/permission/FsAction;Lorg/apache/hadoop/fs/permission/AclEntrySc
ope;)VparseAclSpec%(Ljava/lang/String;Z)Ljava/util/List;aclEntryaclStri$Ljava/util/Iterator;aclSpecincludePermiss
ionZ
aclEntriesLjava/util/List;
aclStringsLjava/util/Collection;LocalVariableTypeTable<Ljava/util/List<Lorg/apache/hadoop/fs/permission/AclEnt
ry;>;*Ljava/util/Collection<Ljava/lang/String;>;>;
SignatureQ(Ljava/lang/String;Z)Ljava/util/List<Lorg/apache/hadoop/fs/permission/AclEntry;>;
parseAclEntry?(Ljava/lang/String;Z)Lorg/apache/hadoop/fs/permission/AclEntry;iae$Ljava/lang/IllegalArgumentE
xception;fsActionbuilder2Lorg/apache/hadoop/fs/permission/AclEntry$Builder;split[Ljava/lang/String;indexIaclTyp
eacSpecToString$(Ljava/util/List;)Ljava/lang/String;ebufP(Ljava/util/List<Lorg/apache/hadoop/fs/permission/AclE
ntry;>;)Ljava/lang/String;(Lorg/apache/hadoop/fs/permission/AclEntryType;Ljava/lang/String;Lorg/apache/hadoop/
fs/permission/FsAction;Lorg/apache/hadoop/fs/permission/AclEntryScope;Lorg/apache/hadoop/fs/permission/AclE
ntry$1;)Vx0x1x2x3x4,Lorg/apache/hadoop/fs/permission/AclEntry$1;
SourceFile
AclEntry.javaRuntimeVisibleAnnotationsPublic;Lorg/apache/hadoop/classification/InterfaceAudience$Public;Evolv
ing>Lorg/apache/hadoop/classification/InterfaceStability$Evolving;`a`?@ABCDE(org/apache/hadoop/fs/permis
sion/AclEntryjava/lang/ObjectZjava/lang/StringBuilder`Edefault:\NNAjava/util/ArrayList.java/lang/StringwxT0org/ap
ache/hadoop/fs/permission/AclEntry$Builder:~0org/apache/hadoop/HadoopIllegalArgumentExceptionInvalid
<aclSpec> :
`defaultST,org/apache/hadoop/fs/permission/AclEntryTypeN"java/lang/IllegalArgumentException"Invalid type of
acl in <aclSpec> : "Invalid permission in <aclSpec> :

[*org/apache/hadoop/fs/permission/AclEntry$1java/util/Listjava/util/Collectionjava/util/Iterator(org/apache/hadoop/
fs/permission/FsAction9org/apache/hadoop/classification/InterfaceAudience$Public<org/apache/hadoop/classificati
on/InterfaceStability$EvolvinggetClass()Ljava/lang/Class;com/google/common/base/Objectsequal'(Ljava/lang/Obje
ct;Ljava/lang/Object;Z([Ljava/lang/Object;I()V-
org/apache/hadoop/fs/permission/AclEntryScopeDEFAULTappend-
(Ljava/lang/String;)Ljava/lang/StringBuilder;toLowerCase(C)Ljava/lang/StringBuilder;SYMBOL"org/apache/hado
op/util/StringUtilsgetStringCollection<(Ljava/lang/String;Ljava/lang/String;)Ljava/util/Collection;iterator()Ljavi
l/Iterator;hasNext()Znext(Ljava/lang/Object;add'(Ljava/lang/String;)[Ljava/lang/String;(Ljava/lang/String;)VsetSco
pec(Lorg/apache/hadoop/fs/permission/AclEntryScope;)Lorg/apache/hadoop/fs/permission/AclEntry$Builder;toUpp
erCasejava/lang/EnumvalueOf5(Ljava/lang/Class;Ljava/lang/String;)Ljava/lang/Enum;setTypeb(Lorg/apache/hadoo
p/fs/permission/AclEntryType;)Lorg/apache/hadoop/fs/permission/AclEntry$Builder;isEmptysetNameF(Ljava/lang/
String;)Lorg/apache/hadoop/fs/permission/AclEntry$Builder;getFsAction>(Ljava/lang/String;)Lorg/apache/hadoop/
fs/permission/FsAction;
setPermission^(Lorg/apache/hadoop/fs/permission/FsAction;)Lorg/apache/hadoop/fs/permission/AclEntry$Builder;
build,(Lorg/apache/hadoop/fs/permission/AclEntry;length
substring(II)Ljava/lang/String;2org/apache/hadoop/classification/InterfaceAudience3org/apache/hadoop/classificatio
n/InterfaceStability!
>?@ABCDEFGH*IJKLMNOPH/*I=JKLOPH/*IFJKLQRH/*IOJKLSTHV+*++M*,1*.*,*,ITUWXYZJ

```

VKLVUV>WLX@Y@Z[HN\$ Y*SY*SY*SY*S
IcJ\$KL\NHeYL*
+W*+*W+:W*+*W+:W*+*W+I2hijl m/o6p=qFsMtTu`wJeKL]^X_`aH**+*,*-*I J4KL>?@ABCDE bcHCYM*N-
:#:.,W,I-5>AJH5 dL-eA*fgChACij;k14mno;kp4mqXrst)uv wxHQ Y!M*"#N-\$YY%*&6'-2(
)W-\$YY%*&:-2+,*:,-W :\$YY/*&--2:0
,1W]-\$YY%*&-2:2:\$YY3*&,4W-\$YY%*&,5:m.I#/2=@HOjm
##\$&'-(H*N+Jpyz@A2BA+{CQeAQijI}B~2m?NdLX@/!!%- ! HAYL*6M, ,N+-
7W+W++8d9I45"6+72859J*"L&fgAhl9^oAhpX_t%u`Hf
*+,-I(J>
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<": = & &
2

SourceFileAclStatus.javaEnclosingMethod+org/apache/hadoop/fs/permission/AclStatus\$IInnerClassesjava/lang/Ob
ject)org/apache/hadoop/fs/permission/AclStatus
2`
ab0c
%d
%e f
g h
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l m(n o)p q*r s+t u,v w-x y.z {
}|NONE*Lorg/apache/hadoop/fs/permission/FsAction;EXECUTEWRITE
WRITE_EXECUTE_READ_READ_EXECUTE
READ_WRITEALLvals+[Lorg/apache/hadoop/fs/permission/FsAction;SYMBOLLjava/lang/String;\$VALUESvalu
es-
([Lorg/apache/hadoop/fs/permission/FsAction;CodeLineNumberTablevalueOf>(Ljava/lang/String;)Lorg/apache/ha
dooop/fs/permission/FsAction;LocalVariableTablename<init>((Ljava/lang/String;ILjava/lang/String;)Vthiss
Signature(Ljava/lang/String;)Vimplies-(Lorg/apache/hadoop/fs/permission/FsAction;)Zthat
StackMapTableandV(Lorg/apache/hadoop/fs/permission/FsAction;)Lorg/apache/hadoop/fs/permission/FsAction;orn
ot,()Lorg/apache/hadoop/fs/permission/FsAction;getFsActionfsActionarr\$len\$Ii\$
permission0<clinit>()V<Ljava/lang/Enum<Lorg/apache/hadoop/fs/permission/FsAction;>;
SourceFile
FsAction.javaRuntimeVisibleAnnotationsPublicInnerClasses;Lorg/apache/hadoop/classification/InterfaceAudience\$
Public;Stable<Lorg/apache/hadoop/classification/InterfaceStability\$Stable;300(org/apache/hadoop/fs/permission/Fs
Action8<12/0---<=&'--x('-w-)'-wx*'r--+'r-x,'rw--
'rwx.'45java/lang/Enum9org/apache/hadoop/classification/InterfaceAudience\$Public:org/apache/hadoop/classificati
on/InterfaceStability\$Stableclone()Ljava/lang/Object;5(Ljava/lang/Class;Ljava/lang/String;)Ljava/lang/Enum;(Ljav
a/lang/String;I)Vordinal()Ljava/lang/Stringequals(Ljava/lang/Object;)Z2org/apache/hadoop/classification/InterfaceA
udience3org/apache/hadoop/classification/InterfaceStability@1% @&'@('@)'@*+@+@,'@-'@.'/01230 456"
7 8965*7:;2<=6H*+*-7-./:>'?2@ABC6d+*+~+7679:>'D'E@FG6B *+~27>:>'D'HG6B *+27B:>'D'IJ66 *d27F:>' K96*
L+=>+2.*
7RST"R(W:4L\$M0!NO PO*Q2E RST6Y

Y
Y
Y
Y
Y
Y
Y!"

#YSYSYSYSYSYSY SY#SS\$ 7*

-!<"K#Z\$j%z(@UVWX

_[Y~Z&]^&

2

<init>()VCodeLineNumberTableLocalVariableTablethisInnerClasses4Lorg/apache/hadoop/fs/permission/Permissio
nStatus\$1;newInstance()Lorg/apache/hadoop/io/Writable;

SourceFilePermissionStatus.javaEnclosingMethod0org/apache/hadoop/fs/permission/PermissionStatus2org/apache/
hadoop/fs/permission/PermissionStatus\$1java/lang/Object\$org/apache/hadoop/io/WritableFactory7(Lorg/apache/ha
doop/fs/permission/PermissionStatus\$1;)V0 /*

" 3 Y

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01

23456chmodOctalPatternLjava/util/regex/Pattern;umaskSymbolicPattern
umaskModeS<init>(Ljava/lang/String;)VCodeLineNumberTableLocalVariableTablethis-

Lorg/apache/hadoop/fs/permission/UmaskParser;modeStrLjava/lang/String;

Exceptions7getUMask()S

StackMapTable<clinit>()V

SourceFileUmaskParser.javaRuntimeVisibleAnnotations9PrivateInnerClasses<Lorg/apache/hadoop/classification/In
terfaceAudience\$Private;;Unstable>Lorg/apache/hadoop/classification/InterfaceStability\$Unstable;

<=>?@^s*[+]?()([0-7]{3})\s*\$ABC)\G\s*([ugoal]*)([+=-

]+)([rwx]*)([,s]*)\s*+org/apache/hadoop/fs/permission/UmaskParser0org/apache/hadoop/fs/permission/Permission

Parser"java/lang/IllegalArgumentExceptionD:org/apache/hadoop/classification/InterfaceAudience\$PrivateE<org/ap

ache/hadoop/classification/InterfaceStability\$UnstableG(Ljava/lang/String;Ljava/util/regex/Pattern;Ljava/util/regex/

Pattern;)VcombineModes(IZ)IsymbolicZjava/util/regex/Patterncompile-

(Ljava/lang/String;)Ljava/util/regex/Pattern;2org/apache/hadoop/classification/InterfaceAudience3org/apache/hadoo
p/classification/InterfaceStability

S*+***,-S**~*:<> -

#%!"#

'*&\$8%& (:)&

()* + , - ./

```
012type.Lorg/apache/hadoop/fs/permission/AclEntryType;nameLjava/lang/String;
permission*Lorg/apache/hadoop/fs/permission/FsAction;scope/Lorg/apache/hadoop/fs/permission/AclEntryScope;<
init>()VCodeLineNumberTableLocalVariableTablethisBuilderInnerClasses2Lorg/apache/hadoop/fs/permission/Acl
Entry$Builder;setTypeb(Lorg/apache/hadoop/fs/permission/AclEntryType;)Lorg/apache/hadoop/fs/permission/AclE
ntry$Builder;setNameF(Ljava/lang/String;)Lorg/apache/hadoop/fs/permission/AclEntry$Builder;
setPermission^(Lorg/apache/hadoop/fs/permission/FsAction;)Lorg/apache/hadoop/fs/permission/AclEntry$Builder;s
etScopec(Lorg/apache/hadoop/fs/permission/AclEntryScope;)Lorg/apache/hadoop/fs/permission/AclEntry$Builder;
build,()Lorg/apache/hadoop/fs/permission/AclEntry;
```

SourceFile

AclEntry.java34

```
(org/apache/hadoop/fs/permission/AclEntry70org/apache/hadoop/fs/permission/AclEntry$Builderjava/lang/Object-
org/apache/hadoop/fs/permission/AclEntryScopeACCESS8(Lorg/apache/hadoop/fs/permission/AclEntryType;Ljava
/lang/String;Lorg/apache/hadoop/fs/permission/FsAction;Lorg/apache/hadoop/fs/permission/AclEntryScope;Lorg/a
pache/hadoop/fs/permission/AclEntry$1;)V*org/apache/hadoop/fs/permission/AclEntry$1!
```

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!symbolicZuserModeS groupMode

othersMode

stickyModeuserTypeC groupType

othersType


```

stickyBitType<init>G(Ljava/lang/String;Ljava/util/regex/Pattern;Ljava/util/regex/Pattern;)VCodeLineNumberTable
LocalVariableTablethis2Lorg/apache/hadoop/fs/permission/PermissionParser;modeStrLjava/lang/String;Ljava/util/r
egex/Pattern;octalmatcherLjava/util/regex/Matcher;
StackMapTable
ExceptionsapplyNormalPattern.(Ljava/lang/String;Ljava/util/regex/Matcher;)Vcarr$[Clen$Ii$strtypeusergroupothers
stickyBitmodeicommaSeperatedFapplyOctalPatternsbcombineModes(IZ)IexistingexeOkcombineModeSegments(CI
IZ)IcapX
SourceFilePermissionParser.javaRuntimeVisibleAnnotationsPrivateInnerClasses<Lorg/apache/hadoop/classification
/InterfaceAudience$Private;Unstable>Lorg/apache/hadoop/classification/InterfaceStability$Unstable;/#$*+,+
+.:+BCTC"java/lang/IllegalArgumentException/Mjava/lang/RuntimeException
Unexpected%&'&(&)&,Z[0org/apache/hadoop/fs/permission/PermissionParserjava/lang/Objectjava/lang/Stringjava/
util/regex/Patternjava/util/regex/Matcher:org/apache/hadoop/classification/InterfaceAudience$Private<org/apache/h
adoop/classification/InterfaceStability$Unstable()V3(Ljava/lang/CharSequence;)Ljava/util/regex/Matcher;find()Zm
atches(Ljava/lang/String;)Vend()Ilength(I)Ljava/lang/String;charAt(I)CtoCharArray()[Ccontains(Ljava/lang/CharSe
quence;)ZisEmpty substring(II)Ljava/lang/String;java/lang/ShortvalueOf%(Ljava/lang/String;)Ljava/lang/Short;
shortValue()S2org/apache/hadoop/classification/InterfaceAudience3org/apache/hadoop/classification/InterfaceStabil
ity !"#$%&'&(&)&*+,+./01^***+*+*+*+;+Y:
*+ $-+Y:

*+Y+
26
4" '()*!$%728<9J:T<]>34^45^67^#8^98$::;<<=>??@ABC1>6,+
,Y+
,:d6Y6
Y6 Y66,:66

[
46?a<g0o6u*666
Y
Y6 Y666,:6
6
}46aXPr2t[w<xF626(666

Y**** $***
*,>@*22BDE&F/M6NDQPSpTVWYZ\]_aSefikl0n7o:qArDtKuNwVxYz\{~}ikotzD3pKD+ZgEF_bGHb_IH
mD+EFGH
IH6J7D~K+PrL$NtM$KwN$ HzO$
P&QH4567::R$<2=>@>S9 =>@>SA
Z==>@>= =>@TC1n***=ZZ,N-*_*=,*.*2*
-3:K\m34n45n67n.;XU7:4J7<3>VW1U*** | x***|~ x***|~ x***~ 23 U45UXHUY$Z[1r6~6~==4+!-(=1=~=
Y~~~=26

8?HKUkp3>r45rK+rPHrXhrY$o\${! ]^_
cfb`a& de&
2W 3 4
5
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```

```

6:
;<
=>?@AchmodOctalPatternLjava/util/regex/Pattern;chmodNormalPattern<init>(Ljava/lang/String;)VCodeLineNum
berTableLocalVariableTablethis-Lorg/apache/hadoop/fs/permission/ChmodParser;modeStrLjava/lang/String;
ExceptionsBapplyNewPermission$(Lorg/apache/hadoop/fs/FileStatus;)Sfile!Lorg/apache/hadoop/fs/FileStatus;perm
s.Lorg/apache/hadoop/fs/permission/FsPermission;existingIexeOkZ
StackMapTableC<clinit>()V
SourceFileChmodParser.javaRuntimeVisibleAnnotationsEPrivateInnerClasses<Lorg/apache/hadoop/classification/I
nterfaceAudience$Private;GUnstable>Lorg/apache/hadoop/classification/InterfaceStability$Unstable;
HIJKLMLNOPQ^s*[+]?([01]?)([0-7]{3})\s*$RST+\G\s*([ugoa]*)[+]=-
]+)([rwxXt]+)([, \s]*)\s*+org/apache/hadoop/fs/permission/ChmodParser0org/apache/hadoop/fs/permission/Permissi
onParser"java/lang/IllegalArgumentException,org/apache/hadoop/fs/permission/FsPermissionU:org/apache/hadoop/
classification/InterfaceAudience$PrivateV<org/apache/hadoop/classification/InterfaceStability$UnstableG(Ljava/la
ng/String;Ljava/util/regex/Pattern;Ljava/util/regex/Pattern;)Vorg/apache/hadoop/fs/FileStatus
getPermission0()Lorg/apache/hadoop/fs/permission/FsPermission;toShort()SisDirectory()ZcombineModes(IZ)Ijava/
util/regex/Patterncompile-
(Ljava/lang/String;)Ljava/util/regex/Pattern;2org/apache/hadoop/classification/InterfaceAudience3org/apache/hadoo
p/classification/InterfaceStability!

```

```

D*+
'(+M,>+
I~6*12
354((#
!"#$%&@'(-

```

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QRS
U VW
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[
\]
^
_`O`oabcde
f Vg Yh Yi
\j Yk
\l
Qm

```

```

UnogetAclFromPermAndEntriesP(Lorg/apache/hadoop/fs/permission/FsPermission;Ljava/util/List;)Ljava/util/List;
CodeLineNumberTableLocalVariableTableperm.Lorg/apache/hadoop/fs/permission/FsPermission;entriesLjava/util/
List;aclhasAccessAclZ
entryIterLjava/util/Iterator;curEntry*Lorg/apache/hadoop/fs/permission/AclEntry;LocalVariableTypeTable<Ljava/u
til/List<Lorg/apache/hadoop/fs/permission/AclEntry;>;@Ljava/util/Iterator<Lorg/apache/hadoop/fs/permission/Acl
Entry;>;
StackMapTablepqreSs
Signature(Lorg/apache/hadoop/fs/permission/FsPermission;Ljava/util/List<Lorg/apache/hadoop/fs/permission/AclE
ntry;>;)Ljava/util/List<Lorg/apache/hadoop/fs/permission/AclEntry;>;

```

```

getMinimalAcl@(Lorg/apache/hadoop/fs/permission/FsPermission;)Ljava/util/List;l(Lorg/apache/hadoop/fs/permission/FsPermission;)Ljava/util/List<Lorg/apache/hadoop/fs/permission/AclEntry;>;isMinimalAcl(Ljava/util/List;)Z?(Ljava/util/List<Lorg/apache/hadoop/fs/permission/AclEntry;>;)Z<init>()Vthis)Lorg/apache/hadoop/fs/permission/AclUtil;
SourceFileAclUtil.javaRuntimeVisibleAnnotationsuLimitedPrivateInnerClassesCLorg/apache/hadoop/classification/InterfaceAudience$LimitedPrivate;valueHDFS
MapReducewUnstable>Lorg/apache/hadoop/classification/InterfaceStability$Unstable;qxyz{|0org/apache/hadoop/fs/permission/AclEntry$BuilderBuilder>?}~spr(org/apache/hadoop/fs/permission/AclEntry'org/apache/hadoop/fs/permission/AclUtiljava/lang/Object,org/apache/hadoop/fs/permission/FsPermissionjava/util/Listjava/util/Iterator,org/apache/hadoop/fs/permission/AclEntryTypeAorg/apache/hadoop/classification/InterfaceAudience$LimitedPrivate<org/apache/hadoop/classification/InterfaceStability$Unstablesize()Icom/google/common/collect/ListsnewArrayListWithCapacity(I)Ljava/util/ArrayList;-
org/apache/hadoop/fs/permission/AclEntryScopeACCESS/Lorg/apache/hadoop/fs/permission/AclEntryScope;setScope(Lorg/apache/hadoop/fs/permission/AclEntryScope;)Lorg/apache/hadoop/fs/permission/AclEntry$Builder;USE R.Lorg/apache/hadoop/fs/permission/AclEntryType;setType(Lorg/apache/hadoop/fs/permission/AclEntryType;)Lorg/apache/hadoop/fs/permission/AclEntry$Builder;
getUserAction(),Lorg/apache/hadoop/fs/permission/FsAction;
setPermission^(Lorg/apache/hadoop/fs/permission/FsAction;)Lorg/apache/hadoop/fs/permission/AclEntry$Builder;
build(),Lorg/apache/hadoop/fs/permission/AclEntry;add(Ljava/lang/Object;)Ziterator()Ljava/util/Iterator;hasNext()Znext()Ljava/lang/Object;getScope1()Lorg/apache/hadoop/fs/permission/AclEntryScope;DEFAULTMASKGROUPgetGroupActionOTHERgetOtherActionnewArrayList*(Ljava/lang/Object;)Ljava/util/ArrayList;2org/apache/hadoop/classification/InterfaceAudience3org/apache/hadoop/classification/InterfaceStability1 +`M,Y*
W>+
::+>,W,Y *
W,Y*
W2',W,W,J,/0627:8=9G:S;^<a>c?oDKRSTUY >!"#%$2&'():=*,#-#-:(./\=01123#
011231401123145O67 89hYY*
SYY*
SYY*
Sd h!"6: ;<W*~ #$,#-/@6=>?3*
@ABCDHI[sJsKNGEtF& LvM& T
2[
6
78 9 : ;<=>?@A@BC DE
FGHownerLjava/lang/String;group stickyBitZentriesLjava/util/List;
Signature<Ljava/util/List<Lorg/apache/hadoop/fs/permission/AclEntry;>;<init>()VCodeLineNumberTableLocalVariableTablethisBuilderInnerClasses3Lorg/apache/hadoop/fs/permission/AclStatus$Builder;G(Ljava/lang/String;)Lorg/apache/hadoop/fs/permission/AclStatus$Builder;addEntry_(Lorg/apache/hadoop/fs/permission/AclEntry;)Lorg/apache/hadoop/fs/permission/AclStatus$Builder;e*Lorg/apache/hadoop/fs/permission/AclEntry;
addEntriesI(Ljava/lang/Iterable;)Lorg/apache/hadoop/fs/permission/AclStatus$Builder;i$Ljava/util/Iterator;Ljava/lang/Iterable;LocalVariableTypeTable@Ljava/lang/Iterable<Lorg/apache/hadoop/fs/permission/AclEntry;>;
StackMapTableIu(Ljava/lang/Iterable<Lorg/apache/hadoop/fs/permission/AclEntry;>;)Lorg/apache/hadoop/fs/permission/AclStatus$Builder;6(Z)Lorg/apache/hadoop/fs/permission/AclStatus$Builder;build-
()Lorg/apache/hadoop/fs/permission/AclStatus;
SourceFileAclStatus.javaJKLMNOPQRISTUV(org/apache/hadoop/fs/permission/AclEntry)org/apache/hadoop/fs/permission/AclStatusYIorg/apache/hadoop/fs/permission/AclStatus$Builderjava/lang/Objectjava/util/Iteratorcom/google/common/collect/ListsnewArrayList(Ljava/util/ArrayList;java/util/Listadd(Ljava/lang/Object;)Zjava/lang/Iterableiterator()Ljava/util/Iterator;hasNext()Znext()Ljava/lang/Object;Zi(Ljava/lang/String;Ljava/lang/String;ZLjava/lang/

```

```

Iterable;Lorg/apache/hadoop/fs/permission/AclStatus$1;)V+org/apache/hadoop/fs/permission/AclStatus$1!:*
os!"?+*
|!"?+*
!#$E
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N*-W*(%&!)*!*+,*-./ 01?***
!23CY****
!45 W
2/$
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&'(serialVersionUIDJ
ConstantValue<init>()VCodeLineNumberTableLocalVariableTablethis8Lorg/apache/hadoop/fs/permission/Access
ControlException;(Ljava/lang/String;)VsLjava/lang/String;(Ljava/lang/Throwable;)VcauseLjava/lang/Throwable;
SourceFileAccessControlException.java
DeprecatedRuntimeVisibleAnnotationsLjava/lang/Deprecated;*PublicInnerClasses;Lorg/apache/hadoop/classificati
on/InterfaceAudience$Public;Stable<Lorg/apache/hadoop/classification/InterfaceStability$Stable;Permission
denied.6org/apache/hadoop/fs/permission/AccessControlExceptionjava/io/IOException-
9org/apache/hadoop/classification/InterfaceAudience$Public.:org/apache/hadoop/classification/InterfaceStability$St
able2org/apache/hadoop/classification/InterfaceAudience3org/apache/hadoop/classification/InterfaceStability!
5*
*+
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@A #)& !+"&
2*
!"
#%$<init>U(Ljava/lang/String;Ljava/lang/String;Lorg/apache/hadoop/fs/permission/FsPermission;)VCodeLineNum
berTableLocalVariableTablethisInnerClasses4Lorg/apache/hadoop/fs/permission/PermissionStatus$2;x0Ljava/lang/
String;x1x2.Lorg/apache/hadoop/fs/permission/FsPermission;
applyUMaskb(Lorg/apache/hadoop/fs/permission/FsPermission;)Lorg/apache/hadoop/fs/permission/PermissionStat
us;umask
readFields(Ljava/io/DataInput;)VinLjava/io/DataInput;
Exceptions&
SourceFilePermissionStatus.javaEnclosingMethod('java/lang/UnsupportedOperationException)2org/apache/hadoop
/fs/permission/PermissionStatus$20org/apache/hadoop/fs/permission/PermissionStatusjava/io/IOExceptioncreateIm
mutable(Ljava/lang/String;Ljava/lang/String;Lorg/apache/hadoop/fs/permission/FsPermission;)Lorg/apache/hadoop/
fs/permission/PermissionStatus;()VOP*+,- -
*<Y 0
<Y 4
2$

!<init>(S)VCodeLineNumberTableLocalVariableTablethisImmutableFsPermissionInnerClassesDLorg/apache/hado
op/fs/permission/FsPermission$ImmutableFsPermission;
permissionS

```

```
applyUMask^(Lorg/apache/hadoop/fs/permission/FsPermission;)Lorg/apache/hadoop/fs/permission/FsPermission;u
mask.Lorg/apache/hadoop/fs/permission/FsPermission;
readFields(Ljava/io/DataInput;)VinLjava/io/DataInput;
Exceptions"
```

```
SourceFileFsPermission.java'java/lang/UnsupportedOperationException#Borg/apache/hadoop/fs/permission/FsPerm
ission$ImmutableFsPermission,org/apache/hadoop/fs/permission/FsPermissionjava/io/IOException()V >*
```

```
xy
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```

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The binary distribution of this product bundles binaries of org.iq80.leveldb:leveldb-api (<https://github.com/dain/leveldb>), which has the following notices:

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For `hadoop-hdfs-project/hadoop-hdfs-native-client/src/main/native/fuse-dfs/util/tree.h`

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hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/dust-helpers-1.1.1.min.js

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For `hadoop-hdfs-project/hadoop-hdfs-native-client/src/main/native/fuse-dfs/util/tree.h`

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```

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in src/main/native/src/org/apache/hadoop/util:

```

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```

/*
LZ4 - Fast LZ compression algorithm
Header File
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*/

For `hadoop-hdfs-project/hadoop-hdfs-native-client/src/main/native/fuse-dfs/util/tree.h`

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For portions of the native implementation of slicing-by-8 CRC calculation
 in src/main/native/src/org/apache/hadoop/util:

```
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```

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```
/*
LZ4 - Fast LZ compression algorithm
Header File
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You can contact the author at :

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*/

For `hadoop-hdfs-project/hadoop-hdfs-native-client/src/main/native/fuse-dfs/util/tree.h`

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hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/dust-helpers-1.1.1.min.js

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For `hadoop-hdfs-project/hadoop-hdfs-native-client/src/main/native/fuse-dfs/util/tree.h`

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For:

hadoop-yarn-project/hadoop-yarn/hadoop-yarn-common/src/main/resources/webapps/static/dt-1.9.4/

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hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/dust-full-2.0.0.min.js
hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/dust-helpers-1.1.1.min.js

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hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/bootstrap-3.0.2

hadoop-tools/hadoop-sls/src/main/html/js/thirdparty/bootstrap.min.js
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hadoop-tools/hadoop-sls/src/main/html/js/thirdparty/jquery.js

hadoop-yarn-project/hadoop-yarn/hadoop-yarn-common/src/main/resources/webapps/static/jquery

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For `hadoop-hdfs-project/hadoop-hdfs-native-client/src/main/native/fuse-dfs/util/tree.h`

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For portions of the native implementation of slicing-by-8 CRC calculation in src/main/native/src/org/apache/hadoop/util:

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```

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```
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LZ4 - Fast LZ compression algorithm
Header File
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*/

For `hadoop-hdfs-project/hadoop-hdfs-native-client/src/main/native/fuse-dfs/util/tree.h`

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```

```
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```

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For portions of the native implementation of slicing-by-8 CRC calculation in `src/main/native/src/org/apache/hadoop/util`:

```
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 */
```

For `src/main/native/src/org/apache/hadoop/io/compress/lz4/{lz4.h,lz4.c,lz4hc.h,lz4hc.c}`,

```
/*
LZ4 - Fast LZ compression algorithm
Header File
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```

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*/

For `hadoop-hdfs-project/hadoop-hdfs-native-client/src/main/native/fuse-dfs/util/tree.h`

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1.54 httpcore 4.4.7

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1.55 ivy 2.4.0

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*
*/

package org.apache.ivy.core.module.descriptor;

```
public class License {
    private String name;

    private String url;

    public License(String name, String url) {
        this.name = name;
        this.url = url;
    }

    public String getName() {
        return name;
    }

    public String getUrl() {
        return url;
    }
}
```

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1.56 jackson-core 2.6.7

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1.57 jackson-core-asl 1.9.2

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1.58 jackson-jaxrs 1.9.13

1.59 jackson-mapper-asl 1.9.13

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1.60 javaewah 0.3.2

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1.61 javassist 3.18.1.GA

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```

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1.73 json 20180130

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<p>

Version 2.1, February 1999

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</pre>

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</p><p>

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</p><p>

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</p><p>

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</p><p>

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</p><p>

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</p><p>

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</p><p>

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</p><p>

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<p>

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</p><p>

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b)

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<p>

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

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</p><p>

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</p><p>

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</p><p>

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</p><p>

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</p><p>

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</p><p>

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</p><p>

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</p><p>

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Section 6 states terms for distribution of such executables.

</p><p>

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</p><p>

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</p><p>

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

</p><p>

6.

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</p><p>

</p>

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</p><p>

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</p>

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```

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```

```
<var>signature of Ty Coon</var>, 1 April 1990
```

```
Ty Coon, President of Vice
```

</pre>

<p>

That's all there is to it!

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/*

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*

Version 2.0, January 2004

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AppleJavaExtensions
v 1.2
```

This is a pluggable jar of stub classes representing the new Apple eAWT and eIO APIs for Java 1.4 on Mac OS X. The purpose of these stubs is to allow for compilation of eAWT- or eIO-referencing code on platforms other than Mac OS X. The jar file is enclosed in a zip archive for easy expansion on other platforms.

These stubs are not intended for the runtime classpath on non-Mac platforms. Please see the OSXAdapter sample for how to write cross-platform code that uses eAWT.

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AppleJavaExtensions
v 1.2

<http://developer.apple.com/samplecode/AppleJavaExtensions/AppleJavaExtensions.html>

This is a pluggable jar of stub classes representing the new Apple eAWT and eIO APIs for Java 1.4 on Mac OS X. The purpose of these stubs is to allow for compilation of eAWT- or eIO-referencing code on platforms other than Mac OS X. These stubs are not intended for the

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1.84 metrics-graphite 3.1.5

1.85 metrics-json 3.1.5

1.86 minlog 1.3.0

1.87 opencsv 2.3

1.88 orc-core-1.4.1-nohive 1.4.1-nohive

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1.92 parquet-column-1.8.2 1.8.2

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1.98 RoaringBitmap 0.5.11

1.99 scala-compiler 2.11.0

1.100 scala-logging_2.11 3.7.2

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

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_WRITE_ACP

_FULL_CONTROLREAD:Lorg/jets3t/service/impl/soap/axis/_2006_03_01/Permission;WRITEREAD_ACP

WRITE_ACPFULL_CONTROLtypeDesc&Lorg/apache/axis/description/TypeDesc;>class\$Lorg\$jets3t\$service\$impl

\$soap\$axis\$_2006_03_01\$PermissionLjava/lang/Class;

Synthetic<init>(Ljava/lang/String;)VCodeLineNumberTableLocalVariableTablethisvaluegetValue(Ljava/lang/Strin

g; fromValueN(Ljava/lang/String;)Lorg/jets3t/service/impl/soap/axis/_2006_03_01/Permission;enumeration

Exceptions

fromStringequals(Ljava/lang/Object;)ZobjLjava/lang/Object;hashCode()ItoStringreadResolve(Ljava/lang/Object;

getSerializere(Ljava/lang/String;Ljava/lang/Class;Ljavax/xml/namespace/QName;)Lorg/apache/axis/encoding/Seria

lizer;mechType

_javaType_xmlTypeLjavax/xml/namespace/QName;getDeserializerg(Ljava/lang/String;Ljava/lang/Class;Ljavax/xm

l/namespace/QName;)Lorg/apache/axis/encoding/Deserializer;getTypeDesc(Lorg/apache/axis/description/TypeDe

sc;class\$(Ljava/lang/String;)Ljava/lang/Class;x1"Ljava/lang/ClassNotFoundException;x0<clinit>()V

SourceFilePermission.javag
 java/lang/ClassNotFoundExceptionjava/lang/NoClassDefFoundErrorDI/0128org/jets3t/service/impl/soap/axis/_2006_03_01/Permission"java/lang/IllegalArgumentExceptionMNXLVW+org/apache/axis/encoding/ser/EnumSerializerD
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 PermissionDjava/lang/Objectjava/io/Serializablejava/io/ObjectStreamExceptionjava/lang/ClassNotFoundException
 initCause,(Ljava/lang/Throwable;)Ljava/lang/Throwable;put8(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;get&(Ljava/lang/Object;)Ljava/lang/Object;java/lang/String(Ljava/lang/Class;Ljava/xml/namespace/QName;)V(Ljava/lang/Class;)V(Ljava/lang/String;Ljava/lang/String;)V
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mberTableLocalVariableTableusergroup<init>()Vthis2Lorg/apache/hadoop/fs/permission/PermissionStatus;U(Ljava
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getPermission0()Lorg/apache/hadoop/fs/permission/FsPermission;
applyUMask(Lorg/apache/hadoop/fs/permission/FsPermission;)Lorg/apache/hadoop/fs/permission/PermissionStat
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nterfaceAudience$LimitedPrivate;valueHDFS
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e/hadoop/classification/InterfaceAudience$LimitedPrivate<org/apache/hadoop/classification/InterfaceStability$Unst
able,org/apache/hadoop/fs/permission/FsPermission^(Lorg/apache/hadoop/fs/permission/FsPermission;)Lorg/apach
e/hadoop/fs/permission/FsPermission;org/apache/hadoop/io/Text
readString((Ljava/io/DataInput;I)Ljava/lang/String;C(Ljava/io/DataInput;)Lorg/apache/hadoop/fs/permission/FsPer
```

mission;writeString*(Ljava/io/DataOutput;Ljava/lang/String;I)Iappend-
(Ljava/lang/String;)Ljava/lang/StringBuilder;-
(Ljava/lang/Object;)Ljava/lang/StringBuilder;&org/apache/hadoop/io/WritableFactories
setFactory:(Ljava/lang/Class;Lorg/apache/hadoop/io/WritableFactory;)V2org/apache/hadoop/classification/Interface
Audience3org/apache/hadoop/classification/InterfaceStability!
! "# \$% &IY*+,'(-) * "#+,&/*'=(.-+/&1**+*,*-'@A BCD(*.-) * "#01&/*'G(-.21&/*'J(-.34&/*'M(-.56&F**+*'
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ion\$1;newInstance!()Lorg/apache/hadoop/io/Writable;
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ission/FsPermission\$1;)V0 /*
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ImmutableFsPermissionInnerClassesLOG

Lorg/apache/commons/logging/Log;FACTORY&Lorg/apache/hadoop/io/WritableFactory;

useraction*Lorg/apache/hadoop/fs/permission/FsAction;groupactionotheraction

stickyBitZDEPRECATED_UMASK_LABELLjjava/lang/String;

ConstantValueUMASK_LABEL

DEFAULT_UMASKIcreateImmutable1(S)Lorg/apache/hadoop/fs/permission/FsPermission;CodeLineNumberTable

LocalVariableTable

permissionS<init>()Vthis.Lorg/apache/hadoop/fs/permission/FsPermission;(Lorg/apache/hadoop/fs/permission/FsA

ction;Lorg/apache/hadoop/fs/permission/FsAction;Lorg/apache/hadoop/fs/permission/FsAction;)Vugo(Lorg/apache/

hadoop/fs/permission/FsAction;Lorg/apache/hadoop/fs/permission/FsAction;Lorg/apache/hadoop/fs/permission/FsA

ction;Z)Vsb(S)Vmode1(Lorg/apache/hadoop/fs/permission/FsPermission;)Vother(Ljava/lang/String;)V

getUserAction,()Lorg/apache/hadoop/fs/permission/FsAction;getGroupActiongetOtherActionset

fromShortnv+[Lorg/apache/hadoop/fs/permission/FsAction;

StackMapTablew

write(Ljava/io/DataOutput;)VoutLjava/io/DataOutput;

Exceptions

readFields(Ljava/io/DataInput;)VinLjava/io/DataInput;readC(Ljava/io/DataInput;)Lorg/apache/hadoop/fs/permisio

n/FsPermission;ptoShort()Ssequals(Ljava/lang/Object;)ZthatobjLjava/lang/Object;hashCode()ItoString()Ljava/lang/

String;str2Ljava/lang/StringBuilder;str

applyUMask^(Lorg/apache/hadoop/fs/permission/FsPermission;)Lorg/apache/hadoop/fs/permission/FsPermission;u

maskgetUMaskV(Lorg/apache/hadoop/conf/Configuration;)Lorg/apache/hadoop/fs/permission/FsPermission;typeerr

oriae\$Ljava/lang/IllegalArgumentException;

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,org/apache/hadoop/fs/permission/FsPermissionjava/lang/StringBuilderS M!"tT#%p&`dfs.permissions.umask-

mode()* dfs.umask+,"java/lang/IllegalArgumentExceptionjava/lang/NumberFormatExceptiondecimaloctal or

symbolicCUnable to parse configuration fs.permissions.umask-mode with value as umask.HI-./~dfs.umask

configuration key is deprecated. Convert to fs.permissions.umask-mode, using octal or symbolic umask

specifications.%1\$03ojava/lang/Object0123s456\$length !=

10(unixSymbolicPermission=)789:.;org/apache/hadoop/fs/permission/FsPermission\$1JK<=>org/apache/hadoop/io/
Writable(org/apache/hadoop/fs/permission/FsActionjava/io/IOExceptionjava/lang/String?9org/apache/hadoop/classi-
fication/InterfaceAudience\$Public@:org/apache/hadoop/classification/InterfaceStability\$Stablevalues-
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lang/String;(Ljava/lang/String;Ljava/lang/String;)VsetInt(Ljava/lang/String;I)VcharAt(I)C%org/apache/commons/l-
ogging/LogFactorygetLog3(Ljava/lang/Class;)Lorg/apache/commons/logging/Log;&org/apache/hadoop/io/Writable
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setFactory:(Ljava/lang/Class;Lorg/apache/hadoop/io/WritableFactory;)V2org/apache/hadoop/classification/Interface
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Signature(Ljava/lang/String;)Vimplies-(Lorg/apache/hadoop/fs/permission/FsAction;)Zthat
StackMapTableandV(Lorg/apache/hadoop/fs/permission/FsAction;)Lorg/apache/hadoop/fs/permission/FsAction;orn
ot,(Lorg/apache/hadoop/fs/permission/FsAction;<clinit>()V<Ljava/lang/Enum<Lorg/apache/hadoop/fs/permission/
FsAction;>;

SourceFile

FsAction.javaRuntimeInvisibleAnnotationsvLimitedPrivateInnerClassesCLorg/apache/hadoop/classification/Interfa
ceAudience\$LimitedPrivate;valueHDFSxUnstable>Lorg/apache/hadoop/classification/InterfaceStability\$Unstable;2
//yz(org/apache/hadoop/fs/permission/FsAction7{;01 }~./---;<%&--x'&-w-(&-wx)&r--*&r-x+&rw-,&rwx-
&34java/lang/EnumAorg/apache/hadoop/classification/InterfaceAudience\$LimitedPrivate<org/apache/hadoop/class
ification/InterfaceStability\$Unstableclone()Ljava/lang/Object;5(Ljava/lang/Class;Ljava/lang/String;)Ljava/lang/Enu
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cation/InterfaceStability@1\$@%&@'&@(&@)&@*&@+&@,&@-&@./012/ 345"
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InterfaceAudience\$Private;;Unstable>Lorg/apache/hadoop/classification/InterfaceStability\$Unstable;

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egex/Pattern;octalmatcherLjava/util/regex/Matcher;

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ExceptionsapplyNormalPattern.(Ljava/lang/String;Ljava/util/regex/Matcher;)Vcarr\$[Clen\$Ii\$strtypeusergroupothers
stickyBitmodeicommaSeperatedFapplyOctalPatternsbcombineModes(IZ)IexistingexeOkcombineModeSegments(CI
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SourceFilePermissionParser.javaRuntimeInvisibleAnnotationsPrivateInnerClasses<Lorg/apache/hadoop/classificati
on/InterfaceAudience\$Private;Unstable>Lorg/apache/hadoop/classification/InterfaceStability\$Unstable;/#\$*+,+-
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adoop/classification/InterfaceStability\$Unstable()V3(Ljava/lang/CharSequence;)Ljava/util/regex/Matcher;find()Zm
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LocalVariableTablethis2Lorg/apache/hadoop/fs/permission/PermissionParser;modeStrLjava/lang/String;Ljava/util/r
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 SourceFilePermissionParser.javaRuntimeInvisibleAnnotationsPrivateInnerClasses<Lorg/apache/hadoop/classificati
 on/InterfaceAudience\$Private;Unstable>Lorg/apache/hadoop/classification/InterfaceStability\$Unstable;/#*\$+,+-
 +.+:BCUC"java/lang/IllegalArgumentException/Mjava/lang/RuntimeException
 Unexpected%&&(&)&,[\0org/apache/hadoop/fs/permission/PermissionParserjava/lang/Objectjava/lang/Stringjava/
 util/regex/Patternjava/util/regex/Matcher:org/apache/hadoop/classification/InterfaceAudience\$Private<org/apache/h
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 atches(Ljava/lang/String;)Vend()Ilength(I)Ljava/lang/String;charAt(I)CtoCharArray()[Ccontains(Ljava/lang/CharSe
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 P&QH4567::R\$<2=>@>S9 =>@>SA
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 -3:K\m34n45n67n::XV7:4J7<3>WX1U*** | x***|~ x***|~ x***~ 23 U45UYHUZ\$[\1r6~6~==4+!-(=1=~=
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 berTableLocalVariableTablethis-Lorg/apache/hadoop/fs/permission/ChmodParser;modeStrLjava/lang/String;
 ExceptionsBapplyNewPermission\$(Lorg/apache/hadoop/fs/FileStatus;)Sfile!Lorg/apache/hadoop/fs/FileStatus;perm

s.Lorg/apache/hadoop/fs/permission/FsPermission;existingIexeOkZ
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ng/String;Ljava/util/regex/Pattern;Ljava/util/regex/Pattern;)Vorg/apache/hadoop/fs/FileStatus
getPermission0()Lorg/apache/hadoop/fs/permission/FsPermission;toShort()SisDirectory()ZcombineModes(IZ)Ijava/
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ControlException;(Ljava/lang/String;)VsLjava/lang/String;(Ljava/lang/Throwable;)VcauseLjava/lang/Throwable;
SourceFileAccessControlException.java
DeprecatedRuntimeVisibleAnnotationsLjava/lang/Deprecated;RuntimeInvisibleAnnotations+PublicInnerClasses;Lo
rg/apache/hadoop/classification/InterfaceAudience\$Public;-
Stable<Lorg/apache/hadoop/classification/InterfaceStability\$Stable;Permission
denied.6org/apache/hadoop/fs/permission/AccessControlExceptionjava/io/IOException.9org/apache/hadoop/classifi
cation/InterfaceAudience\$Public/:org/apache/hadoop/classification/InterfaceStability\$Stable2org/apache/hadoop/cla
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nameLjava/lang/String:url<init>'(Ljava/lang/String;Ljava/lang/String;)VCodeLineNumberTableLocalVariableTable
this/Lorg/apache/ivy/core/module/descriptor/License;getName()Ljava/lang/String;getUrl
SourceFileLicense.java -org/apache/ivy/core/module/descriptor/Licensejava/lang/Object()V!
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COPYRIGHTLjava/lang/String;
 ConstantValue<init>()VCodeLineNumberTableLocalVariableTablethisCopyrightHandlerInnerClassesCLorg/apache
 /ivy/osgi/updatesite/xml/FeatureParser\$CopyrightHandler;handleAttributes(Lorg/xml/sax/Attributes;)VattsLorg/xml
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 SourceFileFeatureParser.java copyright
 !"#\$%&org/apache/ivy/osgi/updatesite/xml/FeatureParser\$CopyrightHandler*org/apache/ivy/osgi/util/DelegatingHan
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 e/commons/compress/archivers/dump/DumpArchiveEntry\$PERMISSION;>;<(DLjava/util/Set<Lorg/apache/commo
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 ../,0,1,2,3,4,5,6,7.java/lang/Enumclone()Ljava/lang/Object;;org/apache/commons/compress/archivers/dump/Dump
 ArchiveEntry5(Ljava/lang/Class;Ljava/lang/String;)Ljava/lang/Enum;(Ljava/lang/String;I)V
 java/util/Setadd(Ljava/lang/Object;)ZisEmpty()Zjava/util/CollectionemptySet(Ljava/util/Set;java/util/EnumSetcop
 yOf+(Ljava/util/Collection;)Ljava/util/EnumSet;@1(@),@-,@.,@/,@0,@1,@2,@3,@4,@5,@6,@7,89;; <=>"
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ExceptionsBapplyNewPermission$(Lorg/apache/hadoop/fs/FileStatus;)Sfile!Lorg/apache/hadoop/fs/FileStatus;perm
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onParser"java/lang/IllegalArgumentException,org/apache/hadoop/fs/permission/FsPermissionU:org/apache/hadoop/
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getPermission0()Lorg/apache/hadoop/fs/permission/FsPermission;toShort()SisDirectory()ZcombineModes(IZ)Ijava/
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(Ljava/lang/String;)Ljava/util/regex/Pattern;2org/apache/hadoop/classification/InterfaceAudience3org/apache/hadoo
p/classification/InterfaceStability!

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ControlException;(Ljava/lang/String;)VsLjava/lang/String;(Ljava/lang/Throwable;)VcauseLjava/lang/Throwable;
SourceFileAccessControlException.java
DeprecatedRuntimeVisibleAnnotationsLjava/lang/Deprecated;RuntimeInvisibleAnnotations+PublicInnerClasses;Lo
rg/apache/hadoop/classification/InterfaceAudience$Public;-
Stable<Lorg/apache/hadoop/classification/InterfaceStability$Stable;Permission
denied.6org/apache/hadoop/fs/permission/AccessControlExceptionjava/io/IOException.9org/apache/hadoop/classifi
cation/InterfaceAudience$Public/:org/apache/hadoop/classification/InterfaceStability$Stable2org/apache/hadoop/cla
ssification/InterfaceAudience3org/apache/hadoop/classification/InterfaceStability!
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berTableLocalVariableTablethisInnerClasses4Lorg/apache/hadoop/fs/permission/PermissionStatus$2;x0Ljava/lang/
String;x1x2.Lorg/apache/hadoop/fs/permission/FsPermission;
applyUMaskb(Lorg/apache/hadoop/fs/permission/FsPermission;)Lorg/apache/hadoop/fs/permission/PermissionStat
us;umask
readFields(Ljava/io/DataInput;)VinLjava/io/DataInput;
Exceptions&
SourceFilePermissionStatus.javaEnclosingMethod('java/lang/UnsupportedOperationException)2org/apache/hadoop
/fs/permission/PermissionStatus$20org/apache/hadoop/fs/permission/PermissionStatusjava/io/IOExceptioncreateIm
mutable(Ljava/lang/String;Ljava/lang/String;Lorg/apache/hadoop/fs/permission/FsPermission;)Lorg/apache/hadoop/
fs/permission/PermissionStatus;()VOP*+,- -
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!<init>(S)VCodeLineNumberTableLocalVariableTablethisImmutableFsPermissionInnerClassesDLorg/apache/hado
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permissionS
applyUMask^(Lorg/apache/hadoop/fs/permission/FsPermission;)Lorg/apache/hadoop/fs/permission/FsPermission;u
mask.Lorg/apache/hadoop/fs/permission/FsPermission;
readFields(Ljava/io/DataInput;)VinLjava/io/DataInput;
Exceptions"
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ission$ImmutableFsPermission,org/apache/hadoop/fs/permission/FsPermissionjava/io/IOException()V >*
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nameLjava/lang/String;url<init>'(Ljava/lang/String;Ljava/lang/String;)VCodeLineNumberTableLocalVariableTable
this/Lorg/apache/ivy/core/module/descriptor/License;getName()Ljava/lang/String;getUrl
SourceFileLicense.java -org/apache/ivy/core/module/descriptor/Licensejava/lang/Object()V!
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/*
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COPYRIGHTLjava/lang/String;
ConstantValue<init>()VCodeLineNumberTableLocalVariableTablethisCopyrightHandlerInnerClassesCLorg/apache
/ivy/osgi/updatesite/xml/FeatureParser$CopyrightHandler;handleAttributes(Lorg/xml/sax/Attributes;)VattsLorg/xml
/sax/Attributes;
Exceptions

```

SourceFileFeatureParser.java copyright

```
!#$%&'org/apache/ivy/osgi/updatesite/xml/FeatureParser$CopyrightHandler*org/apache/ivy/osgi/util/DelegatingHandlerorg/xml/sax/SAXException(Ljava/lang/String;)VsetBufferingChar(Z)V0org/apache/ivy/osgi/updatesite/xml/FeatureParser
```

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1.113 stringtemplate-3.2.1 3.2.1

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