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From strings/apr_fnmatch.c, include/apr_fnmatch.h, misc/unix/getopt.c,
file_io/unix/mktemp.c, strings/apr_strings.c:

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From network_io/unix/inet_ntop.c, network_io/unix/inet_pton.c:

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 */

From dso/aix/dso.c:

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From strings/apr_strnatcmp.c, include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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From strings/apr_snprintf.c:

* *
* cvt - IEEE floating point formatting routines. *
*    Derived from UNIX V7, Copyright(C) Caldera International Inc. *
* *

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1.7 perl-compress-raw-bzip2 2.061 3.el7

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1.8 commons-http-client 3.1

1.9 httpcomponents-client 4.5.6

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1.11 apache-httpclient 4.3.6

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1.16 apache-felix-main 4.4.0

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1.21 vertx-core 3.8.0

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!

---
abstract: 'Build and install Perl modules'
author:
  - 'Ken Williams <kwilliams@cpan.org>'
  - "Development questions, bug reports, and patches should be sent to the
    Module-Build mailing list at <module-build@perl.org>,"
built_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
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use strict;
use lib 't/lib';
use MBTest;
use DistGen;

plan 'no_plan';

# Ensure any Module::Build modules are loaded from correct directory
blib_load('Module::Build');

#---------------------------------------------------------------#
# Create test distribution
#---------------------------------------------------------------#
{
  my $dist = DistGen->new(
    name  => 'Simple::Name',
    version => '0.01',
    license => 'perl'
  );

  $dist->regen;
  $dist->chdir_in;

  my $mb = $dist->new_from_context();
  isa_ok( $mb, "Module::Build" );
  is( $mb->license, 'perl',
      "license 'perl' is valid"
  );

  my $meta = $mb->get_metadata( fatal => 0 );

  is( $meta->{license} => 'perl', "META license will be 'perl'" );
  is( $meta->{resources} {license}, "http://dev.perl.org/licenses/",
      "META license URL is correct"
  );
}

{
  my $dist = DistGen->new(
    name  => 'Simple::Name',
    version => '0.01',
    license => 'VaporWare'
  );
}
my $mb = $dist->new_from_context();
isa_ok( $mb, "Module::Build" );
is( $mb->license, 'VaporWare',
  "license 'VaporWare' is valid"
);

my $meta = $mb->get_metadata( fatal => 0 );

is( $meta->{license} => 'unrestricted', "META license will be 'unrestricted'" );
is( $meta->{resources}{license}, "http://example.com/vaporware/",
  "META license URL is correct"
);

} # Test with alpha number
# vim:ts=2:sw=2:et:sta:sts=2

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From f5488561bdab57380bf07e8e66778503a41aca3 Mon Sep 17 00:00:00 2001
From: Father Chrysostomos <sprout@cpan.org>
Date: Sun, 23 Sep 2012 12:42:15 -0700
Subject: [PATCH] =?UTF-8?q?Don=E2=80=99t=20leak=20if=20hh=20copying=20dies?==
MIME-Version: 1.0
Content-Type: text/plain; charset=UTF-8
Content-Transfer-Encoding: 8bit

When %^H is copied on entering a new scope, if it happens to have been
tied it can die. This was resulting in leaks, because no protections
were added to handle that case.

The two things that were leaking were the new hash in hv_copy_hints_hv
and the new value (for an element) in newSVsv.

By fixing newSVsv itself, this also fixes any potential leaks when
other pieces of code call newSVsv on explosive values.

Petr Pisar: Ported to 5.16.3
---
hv.c  | 6 ++++++
sv.c  | 7 ++++++-
t/op/svleak.t | 22 +++++++++++++++++++++-
3 files changed, 31 insertions(+), 4 deletions(-)
diff --git a/hv.c b/hv.c
index 3c35341..29d6352 100644
--- a/hv.c
+++ b/hv.c
@@ -1440,6 +1440,9 @@ Perl_hv_copy_hints_hv(pTHX_ HV *const ohv)
 const I32 riter = HvRITER_get(ohv);
 HE * const eiter = HvEITER_get(ohv);

+ENTER;
+SAVEFREESV(hv);
+
while (hv_max && hv_max + 1 >= hv_fill * 2)
    hv_max = hv_max / 2;
HvMAX(hv) = hv_max;
@@ -1461,6 +1464,9 @@ Perl_hv_copy_hints_hv(pTHX_ HV *const ohv)
 }
 HvRITER_set(ohv, riter);
 HvEITER_set(ohv, eiter);
+
+SvREFCNT_inc_simple_void_NN(hv);
+LEAVE;
 }
 hv_magic(hv, NULL, PERL_MAGIC_hints);
 return hv;

diff --git a/sv.c b/sv.c
index a43feac..597d71b 100644
--- a/sv.c
+++ b/sv.c
@@ -8764,11 +8764,12 @@ Perl_newSVsv(pTHX_ register SV *const old)
 Perl_ck_warner_d(aTHX_ packWARN(WARN_INTERNAL), "semi-panic: attempt to dup freed string");
 return NULL;
+
    /* Do this here, otherwise we leak the new SV if this croaks. */
+   SvGETMAGIC(old);
    new_SV(sv);
-    /* SV_GMAGIC is the default for sv_setsv()
-     SV_NOSTEAL prevents TEMP buffers being, well, stolen, and saves games
+   /* SV_NOSTEAL prevents TEMP buffers being, well, stolen, and saves games
    with SvTEMP_off and SvTEMP_on round a call to sv_setsv. */
-    sv_setsv_flags(sv, old, SV_GMAGIC | SV_NOSTEAL);
-    return sv;
+
    sv_setsv_flags(sv, old, SV_NOSTEAL);
    return sv;
 }

diff --git a/t/op/svleak.t b/t/op/svleak.t
index 2f09af3..011c184 100644
--- a/t/op/svleak.t
+++ b/t/op/svleak.t
@@ -13,7 +13,7 @@ BEGIN {
 or skip_all("XS::APItest not available");
 }

-plan tests => 23;
+plan tests => 24;

# run some code N times. If the number of SVs at the end of loop N is
# greater than (N-1)*delta at the end of loop 1, we've got a leak
@@ -176,3 +176,23 @@ leak(2, 0, sub {
 each %$h;
 undef $h;
 }, 'tied hash iteration does not leak');
 +
 +# [perl #107000]
+package hhtie {
+   sub TIEHASH { bless [] }
+   sub STORE    { $_[0][0][$_[1]] = $_[2] }
+   sub FETCH    { die if $explosive; $_[0][0][$_[1]] }
+   sub FIRSTKEY { keys %{$_[0][0]}; each %{$_[0][0]} }
+   sub NEXTKEY  { each %{$_[0][0]} }
+ }
+leak(2,!!$Config{mad}, sub {
+   eval q`
+      BEGIN {
+         $hhtie::explosive = 0;
+         tie %$h, hhtie;
+         $^H{foo} = bar;
+         $hhtie::explosive = 1;
+      }
+      { 1; }
+   `;
+ }, 'hint-hash copying does not leak');
--
1.8.1.4

1.26 netty-handler 4.1.32

1.27 activemq-http 5.15.9
1.27.1 Available under license:

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package com.rabbitmq.client;

import org.slf4j.Logger;
import org.slf4j.LoggerFactory;

/**
 * A representation of network addresses, i.e. host/port pairs,
 * with some utility functions for parsing address strings.
 */
public class Address {
    private static final Logger LOGGER = LoggerFactory.getLogger(Address.class);

    private final String _host;
    private final int _port;

    /**
     * Construct an address from a host name and port number.
     * @param host the host name
     * @param port the port number
     */
    }
public Address(String host, int port) {
    _host = host;
    _port = port;
}

/**
 * Construct an address from a host.
 *
 * @param host the host name
 */
public Address(String host) {
    _host = host;
    _port = ConnectionFactory.USE_DEFAULT_PORT;
}

/**
 * Get the host name
 *
 * @return the host name
 */
public String getHost() {
    return _host;
}

/**
 * Get the port number
 *
 * @return the port number
 */
public int getPort() {
    return _port;
}

/**
 * Extracts hostname or IP address from a string containing a hostname, IP address, hostname:port pair or IP address:port pair.
 * Note that IPv6 addresses must be quoted with square brackets, e.g. [2001:db8:85a3:8d3:1319:8a2e:370:7348].
 *
 * @param addressString the string to extract hostname from
 * @return the hostname or IP address
 */
public static String parseHost(String addressString) {
    // we need to handle cases such as [2001:db8:85a3:8d3:1319:8a2e:370:7348]:5671
    int lastColon = addressString.lastIndexOf(“:”);
    int lastClosingSquareBracket = addressString.lastIndexOf(“]”);
    if (lastClosingSquareBracket == -1) {
        String[] parts = addressString.split(“:”);
        if (parts.length > 2) {
            // ...
String msg = "Address " +
    addressString +
    " seems to contain an unquoted IPv6 address. Make sure you quote IPv6 addresses like so:
    LOGGER.error(msg);
    throw new IllegalArgumentException(msg);
}

return parts[0];

if (lastClosingSquareBracket < lastColon) {
    // there is a port
    return addressString.substring(0, lastColon);
} else {
    return addressString;
}

public static int parsePort(String addressString) {
    // we need to handle cases such as [2001:db8:85a3:8d3:1319:8a2e:370:7348]:5671
    int lastColon = addressString.lastIndexOf(':');
    int lastClosingSquareBracket = addressString.lastIndexOf(']');
    if (lastClosingSquareBracket == -1) {
        String[] parts = addressString.split(':');
        if (parts.length > 2) {
            String msg = "Address " +
                addressString +
                " seems to contain an unquoted IPv6 address. Make sure you quote IPv6 addresses like so:
            LOGGER.error(msg);
            throw new IllegalArgumentException(msg);
        }
        if (parts.length == 2) {
            return Integer.parseInt(parts[1]);
        }
    }
    return ConnectionFactory.USE_DEFAULT_PORT;
}

if (lastClosingSquareBracket < lastColon) {
    // there is a port
    return Integer.parseInt(addressString.substring(lastColon + 1));
}

return ConnectionFactory.USE_DEFAULT_PORT;
public static boolean isHostWithPort(String addressString) {
    // we need to handle cases such as [2001:db8:85a3:8d3:1319:8a2e:370:7348]:5671
    int lastColon = addressString.lastIndexOf(":");  
    int lastClosingSquareBracket = addressString.lastIndexOf("]");

    if (lastClosingSquareBracket == -1)
        return addressString.contains(";");
    else
        return lastClosingSquareBracket < lastColon;
}

/**
 * Factory method: takes a formatted addressString string as construction parameter
 * @param addressString an addressString of the form "host[:port]".
 * @return an {@link Address} from the given data
 */
public static Address parseAddress(String addressString) {
    if (isHostWithPort(addressString)) {
        return new Address(parseHost(addressString), parsePort(addressString));
    } else {
        return new Address(addressString);
    }
}

/**
 * Array-based factory method: takes an array of formatted address strings as construction parameter
 * @param addresses array of strings of form "host[:port],..."
 * @return a list of {@link Address} values
 */
public static Address[] parseAddresses(String addresses) {
    String[] addrs = addresses.split(" *, *");
    Address[] res = new Address[addrs.length];
    for (int i = 0; i < addrs.length; i++) {
        res[i] = Address.parseAddress(addrs[i]);
    }
    return res;
}

@override public int hashCode() {
    return 31 * _host.hashCode() + _port;
}

@override public boolean equals(Object obj) {
    if (this == obj)
        return true;
    if (obj == null || getClass() != obj.getClass())
        return false;
    Address other = (Address) obj;
    if (_host != other.getHost())
        return false;
    if (_port != other.getPort())
        return false;
    return true;
}
package com.rabbitmq.client.impl;

import java.util.ArrayList;
import java.util.List;
import com.rabbitmq.client.ShutdownListener;
import com.rabbitmq.client.ShutdownNotifier;
import com.rabbitmq.client.ShutdownSignalException;

/**
 * A class that manages {@link ShutdownListener}s and remembers the reason for a shutdown. Both
 * {@link com.rabbitmq.client.Channel Channel}s and {@link com.rabbitmq.client.Connection
 * Connection}s have shutdown listeners.
 * *
 * public class ShutdownNotifierComponent implements ShutdownNotifier {

 /**
 * Monitor for shutdown listeners and shutdownCause */
 private final Object monitor = new Object();

 /** List of all shutdown listeners associated with the component */
 private final List<ShutdownListener> shutdownListeners = new ArrayList<ShutdownListener>();
private volatile ShutdownSignalException shutdownCause = null;

@Override
public void addShutdownListener(ShutdownListener listener)
{
    ShutdownSignalException sse = null;
    synchronized(this.monitor) {
        sse = this.shutdownCause;
        this.shutdownListeners.add(listener);
    }
    if (sse != null) // closed
        listener.shutdownCompleted(sse);
}

@Override
public ShutdownSignalException getCloseReason() {
    synchronized(this.monitor) {
        return this.shutdownCause;
    }
}

@Override
public void notifyListeners()
{
    ShutdownSignalException sse = null;
    ShutdownListener[] sdls = null;
    synchronized(this.monitor) {
        sdls = this.shutdownListeners.toArray(new ShutdownListener[this.shutdownListeners.size()]);
        sse = this.shutdownCause;
    }
    for (ShutdownListener l: sdls) {
        try {
            l.shutdownCompleted(sse);
        } catch (Exception e) {
            // FIXME: proper logging
        }
    }
}

@Override
public void removeShutdownListener(ShutdownListener listener)
{
synchronized(this.monitor) {
    this.shutdownListeners.remove(listener);
}
}

@override
public boolean isOpen() {
    synchronized(this.monitor) {
        return this.shutdownCause == null;
    }
}

/**
 * Internal: this is the means of registering shutdown.
 * @param sse the reason for the shutdown
 * @return <code>true</code> if the component is open; <code>false</code> otherwise.
 */
public boolean setShutdownCauseIfOpen(ShutdownSignalException sse) {
    synchronized (this.monitor) {
        if (isOpen()) {
            this.shutdownCause = sse;
            return true;
        }
        return false;
    }
}

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From network_io/unix/inet_ntop.c, network_io/unix/inet_pton.c:

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From dso/aix/dso.c:

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From strings/apr_strnatcmp.c, include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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From strings/apr_snprintf.c:

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1.68 lksctp-tools 1.0.17-2.el7

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   a purpose that is entirely well-defined independent of the
   application. Therefore, Subsection 2d requires that any
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6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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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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1.69 netty-handler-proxy 4.1.38

1.70 httpcomponents-mime 4.5.6

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1.82 commons-cli 1.2

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package com.sun.jna;

/** Tagging interface to indicate the library or callback uses an alternate
 * calling convention.
 * @author twall
 */
public interface AltCallingConvention {}

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JUnit

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- javaee_web_services_1_3.xsd
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Last revised by Reagle $Date: 2005-06-03 18:49:13 -0400 (Fri, 03 Jun 2005) $

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1.144 jakarta inject 2.5.0

1.145 perl 1.04-294.el7_6
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1.146 trilead-ssh 1.0.0-build220
1.147 httpcomponents-client 4.5.2

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* https://github.com/eclipse-ee4j/jaxb-istack-commons
* https://github.com/eclipse-ee4j/jaxb-dtd-parser
* https://github.com/eclipse-ee4j/jaxb-fi
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* Project: https://maven.apache.org/shared/file-management/
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(Used for asynchronous name resolves) Uses an MIT license that is very liberal and imposes no restrictions on any other library or part you may link with.

zlib  http://www.gzip.org/zlib/zlib_license.html

(Used for compressed Transfer-Encoding support) Uses an MIT-style license that shouldn't collide with any other library.

krb4

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 */

package java.security.acl;

/**
 * This interface represents a permission, such as that used to grant
 * a particular type of access to a resource.
 *
 * @author Satish Dharmaraj
 * @since 1.1
 *
 * @deprecated This class is deprecated and subject to removal in a future
 * version of Java SE. It has been replaced by [@code java.security.Policy]
 * and related classes since 1.2.
 */
import java.rmi.Remote;

@Deprecated(since="9", forRemoval=true)
public interface Permission {

    /**
     * Returns true if the object passed matches the permission represented
     * in this interface.
     *
     * @param another the Permission object to compare with.
     *
     * @return true if the Permission objects are equal, false otherwise
     */
    public boolean equals(Object another);

    /**
     * Prints a string representation of this permission.
     *
     * @return the string representation of the permission.
     */
    public String toString();
}

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 * questions.
 */

/**
 *
 */
public interface Legal extends Remote {
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import java.util.GregorianCalendar;
import java.util.Locale;
import java.util.TimeZone;

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         */
    ;

    private static final String ORACLE_AFTER2012 =
        "/*
         * Copyright (c) 2012, %d, Oracle and/or its affiliates. All rights reserved.
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    // Last updated: - 6/06/2016, 1:42:31 PM
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"*/

private static String OPENJDK_AFTER2012 =
"/\n"
static String getOracleCopyright() {
    int year = getYear();
    return String.format(year > 2012 ? ORACLE_AFTER2012 : ORACLE2012, year);
}

static String getUnicodeCopyright() {
    return UNICODE;
}

static String getOpenJDKCopyright() {
    int year = getYear();
    return String.format(year > 2012 ? OPENJDK_AFTER2012 : OPENJDK2012, year);
}

private static int getYear() {
    return new GregorianCalendar(TimeZone.getTimeZone("America/Los_Angeles"),
        Locale.US).get(Calendar.YEAR);
}

// no instantiation
private CopyrightHeaders() {
}
}
## Harfbuzz v1.8.2

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package java.security;

/**
 * Abstract class for representing access to a system resource.
 * All permissions have a name (whose interpretation depends on the subclass),
 * as well as abstract functions for defining the semantics of the
 * particular Permission subclass.
 *
 * Most Permission objects also include an "actions" list that tells the actions
 * that are permitted for the object. For example,
 * for a [ @code java.io.FilePermission ] object, the permission name is
 * the path name of a file (or directory), and the actions list
 * (such as "read, write") specifies which actions are granted for the
 * specified file (or for files in the specified directory).
 * The actions list is optional for Permission objects, such as
 * [ @code java.lang.RuntimePermission ],
 * that don't need such a list; you either have the named permission (such
 * as "system.exit") or you don't.
 *
 * An important method that must be implemented by each subclass is
 * the [ @code implies ] method to compare Permissions. Basically,
 * "permission p1 implies permission p2" means that
 * if one is granted permission p1, one is naturally granted permission p2.
 * Thus, this is not an equality test, but rather more of a
 * subset test.
 *
 * Permission objects are similar to String objects in that they
 * are immutable once they have been created. Subclasses should not
 * provide methods that can change the state of a permission
 * once it has been created.
 *
 * @see Permissions
 * @see PermissionCollection
 *
 * @author Marianne Mueller
 * @author Roland Schemers
public abstract class Permission implements Guard, java.io.Serializable {

    private static final long serialVersionUID = -563657022231596674L;

    private String name;

    /**
     * Constructs a permission with the specified name.
     *
     * @param name name of the Permission object being created.
     *
     */
    public Permission(String name) {
        this.name = name;
    }

    /**
     * Implements the guard interface for a permission. The
     * { @code SecurityManager.checkPermission} method is called,
     * passing this permission object as the permission to check.
     * Returns silently if access is granted. Otherwise, throws
     * a SecurityException.
     *
     * @param object the object being guarded (currently ignored).
     *
     * @throws SecurityException
     *        if a security manager exists and its
     *        { @code checkPermission} method doesn't allow access.
     *
     * @see Guard
     * @see GuardedObject
     * @see SecurityManager#checkPermission
     *
     */
    public void checkGuard(Object object) throws SecurityException {
        SecurityManager sm = System.getSecurityManager();
        if (sm != null) sm.checkPermission(this);
    }

    /**
     * Checks if the specified permission's actions are "implied by"
     * this object's actions.
     *
     */
    public void impliedBy(Permission other) throws SecurityException {
        // Implementation
    }

    // Other methods...
}
* only ones that can impose semantics on a Permission object.
*<p>The `{@code implies}` method is used by the AccessController to determine
* whether or not a requested permission is implied by another permission that
* is known to be valid in the current execution context.
*<p>@param permission the permission to check against.
*<p>@return true if the specified permission is implied by this object,
* false if not.
*/

public abstract boolean implies(Permission permission);

/**
* Checks two Permission objects for equality.
*<p>Do not use the `{@code equals}` method for making access control
* decisions; use the `{@code implies}` method.
*<p>@param obj the object we are testing for equality with this object.
*<p>@return true if both Permission objects are equivalent.
*/

public abstract boolean equals(Object obj);

/**
* Returns the hash code value for this Permission object.
*<p>The required `{@code hashCode}` behavior for Permission Objects is
* the following:
*<ul>*<li>Whenever it is invoked on the same Permission object more than
* once during an execution of a Java application, the
* `{@code hashCode}` method
* must consistently return the same integer. This integer need not
* remain consistent from one execution of an application to another
* execution of the same application.
*<li>If two Permission objects are equal according to the
* `{@code equals}`
* method, then calling the `{@code hashCode}` method on each of the
* two Permission objects must produce the same integer result.
*<ul>
*<p>@return a hash code value for this object.
*/
public abstract int hashCode();

/**
 * Returns the name of this Permission.
 * For example, in the case of a `java.io.FilePermission`,
 * the name will be a pathname.
 *
 * @return the name of this Permission.
 *
 */

public final String getName() {
    return name;
}

/**
 * Returns the actions as a String. This is abstract
 * so subclasses can defer creating a String representation until
 * one is needed. Subclasses should always return actions in what they
 * consider to be their
 * canonical form. For example, two FilePermission objects created via
 * the following:
 *
 * <pre>
 * perm1 = new FilePermission(p1,"read,write");
 * perm2 = new FilePermission(p2,"write,read");
 * </pre>
 *
 * both return
 * "read,write" when the `getActions` method is invoked.
 *
 * @return the actions of this Permission.
 *
 */

public abstract String getActions();

/**
 * Returns an empty PermissionCollection for a given Permission object, or null if
 * one is not defined. Subclasses of class Permission should
 * override this if they need to store their permissions in a particular
 * PermissionCollection object in order to provide the correct semantics
 * when the `PermissionCollection.implies` method is called.
 * If null is returned,
 * then the caller of this method is free to store permissions of this
 * type in any PermissionCollection they choose (one that uses a Hashtable,
 * one that uses a Vector, etc).
 *
 */
* @return a new PermissionCollection object for this type of Permission, or
* null if one is not defined.
*/

public PermissionCollection newPermissionCollection() {
    return null;
}

/**
 * Returns a string describing this Permission. The convention is to
 * specify the class name, the permission name, and the actions in
 * the following format: '="ClassName" "name" "actions"'), or
 * "="("ClassName" "name")' if actions list is null or empty.
 *
 * @return information about this Permission.
 */

public String toString() {
    String actions = getActions();
    if ((actions == null) || (actions.length() == 0)) { // OPTIONAL
        return "(" + getClass().getName() + " " + name + ")";
    } else {
        return "(" + getClass().getName() + " " + name + 
                     " " + actions + ")";
    }
}

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# Version

# Uses Fedora Core 6 fonts and file paths.
version=1

# Component Font Mappings

dialog.plain.latin-1=DejaVu LGC Sans
dialog.plain.japanese-x0208=Sazanami Gothic
dialog.plain.korean=Baekmuk Gulim
dialog.plain.chinese-big5=AR PL ShanHeiSun Uni
dialog.plain.chinese-gb18030=AR PL ShanHeiSun Uni
dialog.bold.latin-1=DejaVu LGC Sans Bold
Open Source Used In Cisco Crosswork Situation Manager 7.31122
dialoginput.plain.chinese-big5=AR PL ShanHeiSun Uni
dialoginput.plain.chinese-gb18030=AR PL ShanHeiSun Uni

dialoginput.bold.latin-1=DejaVu LGC Sans Mono Bold
dialoginput.bold.japanese-x0208=Sazanami Gothic
dialoginput.bold.korean=Baekmuk Gulim
dialoginput.bold.chinese-big5=AR PL ShanHeiSun Uni
dialoginput.bold.chinese-gb18030=AR PL ShanHeiSun Uni

dialoginput.italic.latin-1=DejaVu LGC Sans Mono Oblique
dialoginput.italic.japanese-x0208=Sazanami Gothic
dialoginput.italic.korean=Baekmuk Gulim
dialoginput.italic.chinese-big5=AR PL ShanHeiSun Uni
dialoginput.italic.chinese-gb18030=AR PL ShanHeiSun Uni

dialoginput.bolditalic.latin-1=DejaVu LGC Sans Mono Bold Oblique
dialoginput.bolditalic.japanese-x0208=Sazanami Gothic
dialoginput.bolditalic.korean=Baekmuk Gulim
dialoginput.bolditalic.chinese-big5=AR PL ShanHeiSun Uni
dialoginput.bolditalic.chinese-gb18030=AR PL ShanHeiSun Uni

# Search Sequences

sequence.allfonts=latin-1
sequence.allfonts.Big5=chinese-big5,latin-1
sequence.allfonts.x-euc-jp-bsd=japanese-x0208,latin-1
sequence.allfonts.EUC-KR=korean,latin-1
sequence.allfonts.GB18030=chinese-gb18030,latin-1
sequence.fallback=chinese-big5,chinese-gb18030,japanese-x0208,korean

# Font File Names

filename.DejaVu_LGC_Sans=/usr/share/fonts/dejavu-lgc/DejaVuLGCSans.ttf
filename.DejaVu_LGC_Sans_Bold=/usr/share/fonts/dejavu-lgc/DejaVuLGCSans-Bold.ttf
filename.DejaVu_LGC_Sans_Oblique=/usr/share/fonts/dejavu-lgc/DejaVuLGCSans-Oblique.ttf
filename.DejaVu_LGC_Sans_Bold_Oblique=/usr/share/fonts/dejavu-lgc/DejaVuLGCSans-BoldOblique.ttf

filename.DejaVu_LGC_Sans_Mono=/usr/share/fonts/dejavu-lgc/DejaVuLGCSansMono.ttf
filename.DejaVu_LGC_Sans_Mono_Bold=/usr/share/fonts/dejavu-lgc/DejaVuLGCSansMono-Bold.ttf
filename.DejaVu_LGC_Sans_Mono_Oblique=/usr/share/fonts/dejavu-lgc/DejaVuLGCSansMono-Oblique.ttf
filename.DejaVu_LGC_Sans_Mono_Bold_Oblique=/usr/share/fonts/dejavu-lgc/DejaVuLGCSansMono-BoldOblique.ttf

filename.DejaVu_LGC_Serif=/usr/share/fonts/dejavu-lgc/DejaVuLGCSerif.ttf
filename.DejaVu_LGC_Serif_Bold=/usr/share/fonts/dejavu-lgc/DejaVuLGCSerif-Bold.ttf
filename.DejaVu_LGC_Serif_Oblique=/usr/share/fonts/dejavu-lgc/DejaVuLGCSerif-Oblique.ttf
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* questions.
*/
/**/
* @test
* @bug 4886069 8023045
* @summary Confirm that printer recognizes the Legal selection either by
  prompting the user to put Legal paper or automatically selecting
  the tray containing Legal Paper. The printout image should not
  be shifted up by about 3".
* @run main/manual PrintTest
*
*/

import java.awt.*;
import java.awt.event.*;
import javax.swing.*;
import javax.swing.border.*;
import java.awt.print.*;
import javax.print.*;
import javax.print.attribute.*;
import javax.print.attribute.standard.*;
import java.io.*;

public class PrintTest extends JFrame {
    private JPanel contentPane;
    private JMenuBar jMenuBar1 = new JMenuBar();
    private JMenu jMenuFile = new JMenu();
    private JMenuItem jMenuItem1 = new JMenuItem();
    private BorderLayout borderLayout1 = new BorderLayout();
    private JPanel jPanel1 = new JPanel();
    private BorderLayout borderLayout2 = new BorderLayout();
    private JScrollPane jScrollPane1 = new JScrollPane();
    private JTextArea jTextArea1 = new JTextArea();
    private Border border1;

    //Construct the frame
    public PrintTest() {
        enableEvents(AWTEvent.WINDOW_EVENT_MASK);
        try {
            jbInit();
        }
        catch(Exception e) {
            e.printStackTrace();
        }
    }

    private void jbInit() throws Exception {
        contentPane = (JPanel) this.getContentPane();
        contentPane.setLayout(borderLayout1);
        contentPane.setBorder(border1);
        jPanel1.setLayout(borderLayout2);
        jTextArea1.setEditable(false);
        jScrollPane1.setViewportView(jTextArea1);
        contentPane.add(jScrollPane1, BorderLayout.CENTER);
        jMenuBar1.add(jMenuFile);
        jMenuItem1.setText("File");
        jMenuItem1.addActionListener(new ActionListener() {
            public void actionPerformed(ActionEvent e) {
                //Handle menu item click
            }
        });
        jMenuFile.add(jMenuItem1);
        jMenuFile.addSeparator();
        jMenuFile.add(jMenuBar1.createMenuDivider());
        setDefaultCloseOperation(EXIT_ON_CLOSE);
        setSize(800, 600);
        setLocationRelativeTo(null);
        setVisible(true);
    }
}
this.setTitle("Print Test");
jMenuFile.setText("File");
jMenuItem1.setText("Print");
jMenuItem1.setAccelerator(javax.swing.KeyStroke.getKeyStroke(80, java.awt.event.KeyEvent.CTRL_MASK, false));
jMenuItem1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(ActionEvent e) {
        JMenuItem1_actionPerformed(e);
    }
});
jPanel1.setLayout(borderLayout2);
jTextArea1.setBorder(border1);
jTextArea1.setText("1. This is a printer test designed to illustrate a bug in the java printing API.
2. This is a printer test designed to illustrate a bug in the java printing API.
3. This is a printer test designed to illustrate a bug in the java printing API.
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26. This is a printer test designed to illustrate a bug in the java printing API.
27. This is a printer test designed to illustrate a bug in the java printing API.");

jMenuFile.add(jMenuItem1);
contentPane.add(jPanel1, BorderLayout.CENTER);
jPanel1.add(jScrollPane1, BorderLayout.CENTER);
jScrollPane1.getViewport().add(jTextArea1, null);
jScrollPane1.setPreferredSize(new Dimension(468,648));
jTextArea1.setPreferredSize(new Dimension(468,864));
jMenuBar1.add(jMenuFile);
this.setJMenuBar(jMenuBar1);
}

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protected void processWindowEvent(WindowEvent e) {
    super.processWindowEvent(e);
    if (e.getID() == WindowEvent.WINDOW_CLOSING) {
        System.exit(0);
    }
}

void jMenuItem1_actionPerformed(ActionEvent e) {
    PrintUtils.printComponent(jTextArea1);
}

public static class PrintUtils implements Printable {
    private JComponent componentToBePrinted;
    protected double scale = 1.0;
    PrintRequestAttributeSet pras = new HashPrintRequestAttributeSet();

    public static void printComponent(JComponent c) {
        new PrintUtils(c).print();
    }

    public PrintUtils(JComponent componentToBePrinted) {
        this.componentToBePrinted = componentToBePrinted;
    }

    void print() {
        DocFlavor flavor = DocFlavor.SERVICE_FORMATTED.PRINTABLE;
        pras.add(MediaSizeName.NA_LEGAL);

        PrintService printService[] = PrintServiceLookup.lookupPrintServices(flavor, pras);
        PrintService defaultService = PrintServiceLookup.lookupDefaultPrintService();
        if ((defaultService == null) || (printService.length == 0)) {
            System.out.println("No default print service found. Test aborted.");
            return;
        }

        PrintService service = ServiceUI.printDialog(null, 100, 100, printService, defaultService, flavor, pras);

        if (service != null) {
            DocPrintJob job = service.createPrintJob();
            DocAttributeSet das = new HashDocAttributeSet();

            Doc doc = new SimpleDoc(this, flavor, das);
        }
    }
}
try {
    job.print(doc,pras);
}
} catch(PrintException pe) {
    pe.printStackTrace();
}

public int print(Graphics g, PageFormat pageFormat, int pageIndex) {
    double h=componentToBePrinted.getHeight();
    double pageHeight=pageFormat.getImageableHeight();

    if (pageIndex * pageHeight > h * scale) {
        return(NO_SUCH_PAGE);
    } else {

        Graphics2D g2d = (Graphics2D)g;

        //move past unprintable area
        double xOffset=pageFormat.getImageableX();
        double yOffset=pageFormat.getImageableY();
        g2d.translate(xOffset,yOffset);

        //move to correct page taking into account the scaling
        double newx=0;
        double newy=pageHeight*(-pageIndex);
        g2d.translate(newx / 1.0,newy / 1.0 );

        //print

        componentToBePrinted.print(g2d);
        return(PAGE_EXISTS);
    }
}

public static void disableDoubleBuffering(Component c) {
    RepaintManager currentManager = RepaintManager.currentManager(c);
    currentManager.setDoubleBufferingEnabled(false);
}

/** Re-enables double buffering globally. */
public static void enableDoubleBuffering(Component c) {
    RepaintManager currentManager = RepaintManager.currentManager(c);
    currentManager.setDoubleBufferingEnabled(true);
}
}

public static void main(String[] args) {
    try {
        UIManager.setLookAndFeel(UIManager.getSystemLookAndFeelClassName());
    } catch (Exception e) {
        e.printStackTrace();
    }
    PrintTest frame = new PrintTest();
    frame.pack();

    Dimension screenSize = Toolkit.getDefaultToolkit().getScreenSize();
    Dimension frameSize = frame.getSize();
    if (frameSize.height > screenSize.height) {
        frameSize.height = screenSize.height;
    }
    if (frameSize.width > screenSize.width) {
        frameSize.width = screenSize.width;
    }
    frame.setLocation((screenSize.width - frameSize.width) / 2, (screenSize.height - frameSize.height) / 2);
    frame.setVisible(true);
}

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1.169 mariadb-java-client 2.4.0

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<url>http://mariadb.org/</url>
</developer>
</developers>

<scm>
  <connection>scm:git:git://github.com/MariaDB/mariadb-connector-j.git</connection>
  <url>https://github.com/MariaDB/mariadb-connector-j</url>
  <developerConnection>scm:git:git@github.com:MariaDB/mariadb-connector-j.git</developerConnection>
</scm>

<issueManagement>
  <system>JIRA</system>
  <url>https://mariadb.atlassian.net/browse/CONJ</url>
</issueManagement>

<distributionManagement>
  <snapshotRepository>
    <id>ossrh</id>
    <url>https://oss.sonatype.org/content/repositories/snapshots</url>
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</distributionManagement>

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      <groupId>org.jacoco</groupId>
      <artifactId>jacoco-maven-plugin</artifactId>
      <version>0.8.2</version>
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          <goals>
            <goal>prepare-agent</goal>
          </goals>
        </execution>
        <execution>
          <id>report</id>
          <phase>test</phase>
          <goals>
            <goal>report</goal>
          </goals>
        </execution>
      </executions>
    </plugin>
    <plugin>
      <artifactId>maven-compiler-plugin</artifactId>
      <version>3.6.0</version>
      <configuration>
        <source>1.8</source>
      </configuration>
    </plugin>
  </plugins>
</build>
<target>1.8</target>
<compilerArgs>
  <arg>-Xlint:all,-options,-path</arg>
</compilerArgs>
</configuration>
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<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-javadoc-plugin</artifactId>
  <version>2.10.4</version>
  <executions>
    <execution>
      <id>attach-javadocs</id>
      <phase>prepare-package</phase>
      <goals>
        <goal>jar</goal>
      </goals>
    </execution>
  </executions>
</plugin>

<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-checkstyle-plugin</artifactId>
  <version>${checkstyle.plugin.version}</version>
  <dependencies>
    <dependency>
      <groupId>com.puppycrawl.tools</groupId>
      <artifactId>checkstyle</artifactId>
      <version>${checkstyleVersion}</version>
    </dependency>
  </dependencies>
  <executions>
    <execution>
      <id>process-test-resources</id>
      <phase>prepare-package</phase>
      <configuration>
        <includeTestSourceDirectory>true</includeTestSourceDirectory>
        <excludes>
          **/SharedMemorySocket.java,
          **/UnixDomainSocket.java,
          **/MySQIDataSource.java,
          **/org/mariadb/jdbc/internal/com/send/authentication/ed25519/**
        </excludes>
        <configLocation>src/test/resources/style.xml</configLocation>
        <encoding>UTF-8</encoding>
        <consoleOutput>true</consoleOutput>
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    </execution>
  </executions>
</plugin>
<failsOnError>true</failsOnError>
</configuration>
<goals>
<goal>check</goal>
</goals>
</execution>
</executions>
</plugin>

<plugin>
<groupId>com.google.code.maven-replacer-plugin</groupId>
<artifactId>replacer</artifactId>
<version>1.5.3</version>
<executions>
<execution>
<phase>generate-sources</phase>
<goals>
<goal>replace</goal>
</goals>
</execution>
</executions>
<configuration>
<file>${version.template.file}</file>
<outputFile>${version.file}</outputFile>
<replacements>
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<value>${maven.build.timestamp}</value>
</replacement>
<replacement>
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<value>${project.version}</value>
</replacement>
<replacement>
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<value>${driver.version.major}</value>
</replacement>
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      <id>get-the-git-infos</id>
      <goals>
        <goal>revision</goal>
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  </executions>
  <configuration>
    <prefix>git</prefix>
  </configuration>
</plugin>

<plugin>
  <groupId>org.codehaus.mojo</groupId>
  <artifactId>exec-maven-plugin</artifactId>
  <version>1.4.0</version>
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    <execution>
      <phase>install</phase>
      <goals>
        <goal>exec</goal>
      </goals>
    </execution>
  </executions>
  <configuration>
    <executable>git</executable>
    <arguments>
      <argument>archive</argument>
      <argument>--format</argument>
      <argument>tar.gz</argument>
      <argument>--output</argument>
      <argument>${project.name}-${git.commit.id.describe}.tar.gz</argument>
      <argument>${git.branch}</argument>
    </arguments>
  </configuration>
</plugin>

<plugin>
  <groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-jar-plugin</artifactId>
<version>3.0.2</version>
<configuration>
<archive>
<manifestFile>src/main/resources/META-INF/MANIFEST.MF</manifestFile>
<manifestEntries>
(Bundle-Version>${project.version}</Bundle-Version>
(Bundle-ManifestVersion>2</Bundle-ManifestVersion>
(Bundle-Name>mariadb-java-client</Bundle-Name>
(Bundle-SymbolicName>org.mariadb.jdbc</Bundle-SymbolicName>
(Automatic-Module-Name>org.mariadb.jdbc</Automatic-Module-Name>
(Export-Package>org.mariadb.jdbc</Export-Package>
<Import-Package>
javax.naming;resolution:=optional,javax.management;resolution:=optional,javax.net;resolution:=optional,javax.net.ssl;resolution:=optional,javax.sql;resolution:=optional,javax.transaction.xa;resolution:=optional,org.slf4j;resolution:=optional
</Import-Package>
</manifestEntries>
</archive>
</configuration>
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<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-source-plugin</artifactId>
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<goal>jar</goal>
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</executions>
</plugin>
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<artifactId>build-helper-maven-plugin</artifactId>
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<executions>
<execution>
<!--validate phase-->
<id>parse-version</id>
<phase>generate-sources</phase>
<goals>
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</goals>
</execution>
</executions>
</plugin>
<plugin>
  <groupId>org.sonatype.plugins</groupId>
  <artifactId>nexus-staging-maven-plugin</artifactId>
  <version>1.6.6</version>
  <extensions>true</extensions>
  <executions>
    <execution>
      <phase>deploy</phase>
    </execution>
  </executions>
  <configuration>
    <serverId>ossrh</serverId>
    <nexusUrl>https://oss.sonatype.org/</nexusUrl>
    <autoReleaseAfterClose>false</autoReleaseAfterClose>
  </configuration>
</plugin>

<plugin>
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  <artifactId>maven-gpg-plugin</artifactId>
  <version>1.6</version>
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      <goals>
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    </execution>
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</plugin>

</plugins>
</build>

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    <artifactId>waffle-jna</artifactId>
    <version>1.9.0</version>
    <optional>true</optional>
  </dependency>

  <dependency>
    <groupId>junit</groupId>
    <artifactId>junit</artifactId>
    <version>4.12</version>
    <scope>test</scope>
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  <artifactId>HikariCP</artifactId>
  <version>2.4.7</version>
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  <groupId>net.java.dev.jna</groupId>
  <artifactId>jna</artifactId>
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  <artifactId>jna-platform</artifactId>
  <version>${jna.version}</version>
  <optional>true</optional>
</dependency>
<dependency>
  <groupId>org.slf4j</groupId>
  <artifactId>slf4j-api</artifactId>
  <version>[1.4.0,1.7.25]</version>
  <optional>true</optional>
</dependency>
<dependency>
  <groupId,ch_qos,logback</groupId>
  <artifactId>logback-classic</artifactId>
  <version>1.2.3</version>
  <scope>test</scope>
</dependency>
</dependencies>
</project>

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- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
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1.176 spring-framework 4.3.7

1.177 tomcat-i18n-ko 9.0.22
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* m4/ax_func_which_gethostbyname_r.m4

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/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using
underscores, we are using prefix "."s to identify labels that should
be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */
/* This was suggested, but it shouldn’t be right for DBX output. -- RMS */
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line 
that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE, SIZE) 
fprintf (FILE, "\t.space HOST_WIDE_INT_PRINT_UNSIGNED\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line 
to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED) 
( fputs (".comm ", (FILE)),
 assemble_name ((FILE), (NAME)),
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line 
to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED) 
( fputs (".lcomm ", (FILE)),
 assemble_name ((FILE), (NAME)),
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT) 
( fputs (".lcomm ", (FILE)),
 assemble_name ((FILE), (NAME)),
 fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line 
that says to advance the location counter
to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE, LOG) 
if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF 
the symbol_ref name of an internal numbered label where 
PREFIX is the class of label and NUM is the number within the class.
This is suitable for output with "assemble_name". */
/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "_"

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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@page
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```
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  the Front-Cover Texts being @var{list}, and with the Back-Cover Texts
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```
@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:

@c man end
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#!/usr/bin/python
#
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#
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#
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# so that they have the form:
#
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#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
#
import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__(self):
        self.num_errors = 0

def report(self, filename, string):
    if filename:
        string = filename + ': ' + string
    sys.stderr.write(string + '\n')
    self.num_errors += 1

def ok(self):
    return self.num_errors == 0

class GenericFilter:
    def __init__(self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()
self.skip_files |= set([
    # Skip licence files.
    'COPYING',
    'COPYING.LIB',
    'COPYING3',
    'COPYING3.LIB',
    'LICENSE',
    'fdl.texi',
    'gpl_v3.texi',
    'fdl-1.3.xml',
    'gpl-3.0.xml',

    # Skip auto- and libtool-related files
    'aclocal.m4',
    'compile',
    'config.guess',
    'config.sub',
    'depcomp',
    'install-sh',
    'libtool.m4',
    'ltmain.sh',
    'ltconfigure.m4',
    'ltconfigure-obsolete.m4',
    'missing',
    'mkdep',
    'mkenstaldirs',
    'move-if-change',
    'shlibpath.m4',
    'symlink-tree',
    'ylwrap',

    # Skip FSF mission statement, etc.
    'gnu.texi',
    'funding.texi',
    'appendix_free.xml',

    # Skip imported texinfo files.
    'texinfo.tex',
])

def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('\t')
def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True

    (base, extension) = os.path.splitext (os.path.join (dir, filename))
    if extension in self.skip_extensions:
        return True

    if extension == '.in':
        # Skip .in files produced by automake.
        if os.path.exists (base + '.am'):
            return True

        # Skip files produced by autogen
        if (os.path.exists (base + '.def')
            and os.path.exists (base + '.tpl')):
            return True

        # Skip configure files produced by autoconf
        if filename == 'configure':
            if os.path.exists (base + '.ac'):
                return True
            if os.path.exists (base + '.in'):
                return True

    return False

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True

    # Only touch current current ChangeLogs.
    if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
        return True

    return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

    # Characters in a range of years. Include ‘.’ for typos.
ranges = '[0-9]([-0-9,\s]\s+and\s+)*[0-9]'

# Non-whitespace characters in a copyright holder's name.
name = '\[\w,.-\]'

# Matches one year.
selv.\n_year_re = re.compile ('[0-9]+')

# Matches part of a year or copyright holder.
selv.\n_continuation_re = re.compile (ranges + '|' + name)

# Matches a full copyright notice:
selv.\ncopyright_re = re.compile (  
  # 1: 'Copyright (C)', etc.  
  '(\[Cc\]opyright'  
  |[[Cc]\pright\s+\{[Cc]\}\}'  
  |\[Cc\]opyright\s+\%s'  
  |\[Cc\]opyright\s+&\copy;'  
  |\[Cc\]opyright\s+\@\copyright{}'  
  |\@set\s+\copyright\[w-\]+')

  # 2: the years. Include the whitespace in the year, so that  
  # we can remove any excess.  
  '\(\s*(?:' + ranges + ',?  
  |\@value\{[^{}]*\})\s*)'  

  # 3: 'by ', if used  
  '\(by\s+\)\n'  

  # 4: the copyright holder. Don't allow multiple consecutive  
  # spaces, so that right-margin gloss doesn't get caught  
  # (e.g. gnat_ugn.texi).  
  '\(' + name + '\(\?:\s?' + name + '\)\n'  

  # A regexp for notices that might have slipped by. Just matching  
  # 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of  
  # HTML header markers, so check for 'copyright' and two digits.  
  selv.\nother_copyright_re = re.compile ('copyright.*[0-9][0-9]',  
                              re.IGNORECASE)

  selv.\ncomment_re = re.compile('#+|[*]+|;+|%+//+|@c |dnl ')  

  # Force all notices to include this year.  
  selv.max_year = None

  # True to 'quilt add' files before changing them.  
  selv.use_quilt = False
# Goes after the year(s). Could be ",",.
self.separator = ' ' 

def add_package_author(self, holder, canon_form=None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find(' ')
    while index >= 0:
        self.holder_prefixes.add(holder[:index])
        index = holder.find(' ', index + 1)

def add_external_author(self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__(self, year):
        self.year = year

    def __str__(self):
        return 'unrecognised year: ' + self.year

def parse_year(self, string):
    year = int(string)
    if len(string) == 2:
        if year > 70:
            return year + 1900
        elif len(string) == 4:
            return year
    raise self.BadYear(string)

def year_range(self, years):
    year_list = [self.parse_year(year)
                 for year in self.year_re.findall(years)]
    assert len(year_list) > 0
    return (min(year_list), max(year_list))

def set_use_quilt(self, use_quilt):
    self.use_quilt = use_quilt

def include_year(self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years(self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith('@value'):
return years

(min_year, max_year) = self.year_range(years)

# Update the upper bound, if enabled.
if self.max_year and not filter.is_fossilised_file(dir, filename):
    max_year = max(max_year, self.max_year)

# Use a range.
if min_year == max_year:
    return '%d' % min_year
else:
    return '%d-%d' % (min_year, max_year)

def strip_continuation(self, line):
    line = line.lstrip()
    match = self.comment_re.match(line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete(self, match):
    holder = match.group(4)
    return (holder
            and (holder not in self.holder_prefixes
                 or holder in self.holders))

def update_copyright(self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join(dir, filename)

    intro = match.group(1)
    if intro.startswith('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end(2):].strip()
        if after_years != ':':
            self.errors.report(pathname,
                               'trailing characters in @set: ' + after_years)
            return (False, orig_line, next_line)
    else:
        # If it looks like the copyright is incomplete, add the next line.
        while not self.is_complete(match):
            try:
                next_line = file.next()
            except StopIteration:
                break
# If the next line doesn’t look like a proper continuation, 
# assume that what we’ve got is complete.
continuation = self.strip_continuation (next_line)
if not self.continuation_re.match (continuation):
    break

# Merge the lines for matching purposes.
orig_line += next_line
line = line.rstrip() + ' ' + continuation
next_line = None

# Rematch with the longer line, at the original position.
match = self.copyright_re.match (line, match.start())
assert match
holder = match.group (4)

# Use the filter to test cases where markup is getting in the way.
if filter.by_package_author (dir, filename):
    assert holder not in self.holders

elif not holder:
    self.errors.report (pathname, 'missing copyright holder')
    return (False, orig_line, next_line)

elif holder not in self.holders:
    self.errors.report (pathname, 'unrecognised copyright holder: ' + holder)
    return (False, orig_line, next_line)

else:
    # See whether the copyright is associated with the package
    # author.
canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start (4)]
            + canon_form
            + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

    # Update the copyright years.
    years = match.group (2).strip()
try:
    canon_form = self.canonicalise_years (dir, filename, filter, years)
except self.BadYear as e:
    self.errors.report (pathname, str (e))
    return (False, orig_line, next_line)

line = (line[:match.start (2)]
    + ' ' + canon_form + self.separator
    + line[match.end (2):])

# Use the standard (C) form.
if intro.endswith ('right'):
    intro += ' (C)
elif intro.endswith ('(c)'):
    intro = intro[:-3] + '(C'
line = line[:match.start (1)] + intro + line[match.end (1):]

# Strip trailing whitespace
line = line.rstrip() + '\n'

return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
            pass
        return
    lines = []
    changed = False
    line_filter = filter.get_line_filter (dir, filename)
    with open (pathname, 'r') as file:
        prev = None
        for line in file:
            while line:
                next_line = None
                # Leave filtered-out lines alone.
                if not (line_filter and line_filter.match (line)):
                    match = self.copyright_re.search (line)
                    if match:
                        res = self.update_copyright (dir, filename, filter,
                          file, line, match)
                        (this_changed, line, next_line) = res
                        changed = changed or this_changed
# Check for copyright lines that might have slipped by.
elif self.other_copyright_re.search (line):
self.errors.report (pathname,
'unrecognised copyright: %s'
% line.strip())
lines.append (line)
line = next_line
# If something changed, write the new file out.
if changed and self.errors.ok():
tmp_pathname = pathname + '.tmp'
with open (tmp_pathname, 'w') as file:
for line in lines:
file.write (line)
if self.use_quilt:
subprocess.call (['quilt', 'add', pathname])
os.rename (tmp_pathname, pathname)
def process_tree (self, tree, filter):
for (dir, subdirs, filenames) in os.walk (tree):
# Don't recurse through directories that should be skipped.
for i in xrange (len (subdirs) - 1, -1, -1):
if filter.skip_dir (dir, subdirs[i]):
del subdirs[i]
# Handle the files in this directory.
for filename in filenames:
if filter.skip_file (dir, filename):
sys.stdout.write ('Skipping %s\n'
% os.path.join (dir, filename))
else:
self.process_file (dir, filename, filter)
class CmdLine:
def __init__ (self, copyright = Copyright):
self.errors = Errors()
self.copyright = copyright (self.errors)
self.dirs = []
self.default_dirs = []
self.chosen_dirs = []
self.option_handlers = dict()
self.option_help = []
self.add_option ('--help', 'Print this help', self.o_help)
self.add_option ('--quilt', '"quilt add" files before changing them',
self.o_quilt)
self.add_option ('--this-year', 'Add the current year to every notice',

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def add_option(self, name, help, handler):
    self.option_help.append((name, help))
    self.option_handlers[name] = handler

def add_dir(self, dir, filter=GenericFilter()):
    self.dirs.append((dir, filter))

def o_help(self, option=None):
    sys.stdout.write('Usage: %s [options] dir1 dir2...

    Options:
    ' % sys.argv[0])
    format = '%-15s %s
    
    for (what, help) in self.option_help:
        sys.stdout.write(format % (what, help))
    sys.stdout.write('
Directories:
')
    format = '%-25s'
    i = 0
    for (dir, filter) in self.dirs:
        i += 1
        if i % 3 == 0 or i == len(self.dirs):
            sys.stdout.write(dir + '
')
        else:
            sys.stdout.write(format % dir)
    sys.exit(0)

def o_quilt(self, option):
    self.copyright.set_use_quilt(True)

def o_this_year(self, option):
    self.copyright.include_year(time.localtime().tm_year)

def main(self):
    for arg in sys.argv[1:]:
        if arg[:1] != '-':
            self.chosen_dirs.append(arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg](arg)
        else:
            self.errors.report(None, 'unrecognised option: ' + arg)
    if self.errors.ok():
        if len(self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs
        if len(self.chosen_dirs) == 0:
            self.o_help()
        else:
            for chosen_dir in self.chosen_dirs:
canon_dir = os.path.join (chosen_dir, ")
count = 0
for (dir, filter) in self.dirs:
    if (dir + os.sep).startswith (canon_dir):
        count += 1
        self.copyright.process_tree (dir, filter)
if count == 0:
    self.errors.report (None, 'unrecognised directory: ' + chosen_dir)
sys.exit (0 if self.errors.ok() else 1)

#-----------------------------------------------
class TopLevelFilter (GenericFilter):
def skip_dir (self, dir, subdir):
    return True
class ConfigFilter (GenericFilter):
def __init__ (self):
    GenericFilter.__init__ (self)
def skip_file (self, dir, filename):
    if filename.endswith ('.m4'):
        pathname = os.path.join (dir, filename)
        with open (pathname) as file:
            # Skip files imported from gettext.
            if file.readline().find ('gettext-') >= 0:
                return True
        return GenericFilter.skip_file (self, dir, filename)
class GCCFilter (GenericFilter):
def __init__ (self):
    GenericFilter.__init__ (self)
    self.skip_files |= set (['math-68881.h',
                             'math-68883.h',])
    self.skip_dirs |= set (['ada',
                            'testsuite',])
    self.skip_extensions |= set (['
                             '])
                            

class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set ("
            # Don't change the tests, which could be woend by anyone.
            '.c',
            '.C',
            '.cc',
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.inc',
            '.java',
        ")

    def skip_file (self, dir, filename):
        # g++.niklas/README contains historical copyright information
        # and isn't updated.
        if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
            return True
        return GenericFilter.skip_file (self, dir, filename)

class LibCppFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set ("
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        ")
class LibGCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ({
            # Imported from GLIBC.
            'soft-fp',
        })

class LibJavaFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ({
            # Handled separately.
            'testsuite',

            # Not really part of the library
            'contrib',

            # Not really part of the library
            'classpath',
            'libltdl',
        })

def get_line_filter (self, dir, filename):
    if filename == 'NameDecoder.h':
        return re.compile ('.*NAME_COPYRIGHT')
    if filename == 'ICC_Profile.h':
        return re.compile ('.*icSigCopyrightTag')
    return GenericFilter.get_line_filter (self, dir, filename)

class LibMudflapFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    self.skip_dirs |= set ({
        # Handled separately.
        'testsuite',
    })

class LibStdCxxFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    self.skip_files |= set ({
        # Contains no copyright of its own, but quotes the GPL.
    })
'intro.xml',
]}

self.skip_dirs |= set([
    # Contains automatically-generated sources.
    'html',
    # The testsuite data files shouldn't be changed.
    'data',
    # Contains imported images
    'images',
])

self.own_files |= set([
    # Contains markup around the copyright owner.
    'spine.xml',
])

def get_line_filter(self, dir, filename):
    if filename == 'boost_concept_check.h':
        return re.compile('// (C) Copyright Jeremy Siek')
    return GenericFilter.get_line_filter(self, dir, filename)

class GCCCopyright(Copyright):
    def __init__(self, errors):
        Copyright.__init__(self, errors)

        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author('Free Software Foundation', canon_fsf)
        self.add_package_author('Free Software Foundation.', canon_fsf)
        self.add_package_author('Free Software Foundation Inc.', canon_fsf)
        self.add_package_author('Free Software Foundation, Inc', canon_fsf)
        self.add_package_author('Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author('The Free Software Foundation', canon_fsf)
        self.add_package_author('The Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author('Software Foundation, Inc.', canon_fsf)

        self.add_external_author('ARM')
        self.add_external_author('AdaCore')
        self.add_external_author('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
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        self.add_external_author('Hewlett-Packard Company')
        self.add_external_author('Information Technology Industry Council.')
        self.add_external_author('James Theiler, Brian Gough')
self.add_external_author('Makoto Matsumoto and Takuji Nishimura,')
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class GCCCmdLine(CmdLine):
    def __init__(self):
        CmdLine.__init__(self, GCCCopyright)

        self.add_dir('..', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir('config', ConfigFilter())
        # contrib isn’t really part of GCC.
        self.add_dir('fixincludes')
        self.add_dir('gcc', GCCFilter())
        self.add_dir(os.path.join('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir('gnattools')
        self.add_dir('include')
        self.add_dir('libada')
        self.add_dir('libatomic')
        self.add_dir('libbacktrace')
        self.add_dir('libcpp', LibCppFilter())
        self.add_dir('libgcc', LibGCCFilter())
        self.add_dir('libgfortran')
        self.add_dir('libgomp')
        self.add_dir('libiberty')
        self.add_dir('libitm')
        self.add_dir('libjava', LibJavaFilter())
        self.add_dir('libobjc')
        self.add_dir('libquadmath')
# libsanitiser is imported from upstream.
self.add_dir ('libssp')
self.add_dir ('libstdc++-v3', LibStdCxxFilter())
self.add_dir ('lto-plugin')
# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'libada',
    'libatomic',
    'libbacktrace',
    'libcpp',
    'libdecnumber',
    'libgec',
    'libgfortran',
    'libgomp',
    'libitm',
    'libmudflap',
    'libobjc',
    'libstdc++-v3',
]

GCCCmdLine().main()

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package java.security.acl;

/**
 * This interface provides information about a permission that can be
 * granted. Note that this is <em>not</em> the same as the class
 * <code>java.security.Permission</code>.
 * @version 0.0
 */
public interface Permission
{
  /**
   * This method tests whether or not a specified <code>Permission</code>
   * (passed as an <code>Object</code>) is the same as this permission.
   *
   * @param perm The permission to check for equality
   *
   * @return <code>true</code> if the specified permission is the same as this one, <code>false</code> otherwise
   */
  boolean equals (Object perm);

  /**
   * This method returns this <code>Permission</code> as a <code>String</code>.
   *
   * @return A <code>String</code> representing this permission.
   */
  String toString();
}

GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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@end c man end
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exception statement from your version. */

package java.security;

import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
 * the concept of a permission. A permission consists of a permission name
 * and optionally a list of actions that relate to the permission. The
 * actual meaning of the name of the permission is defined only in the
 * context of a subclass. It may name a resource to which access permissions
 * are granted (for example, the name of a file) or it might represent
 * something else entirely. Similarly, the action list only has meaning
 * within the context of a subclass. Some permission names may have no
 * actions associated with them. That is, you either have the permission
 * or you don't.
 * 
 * <p>The most important method in this class is <code>implies</code>. This
 * checks whether if one has this permission, then the specified
 * permission is also implied. As a conceptual example, consider the
 * permissions "Read All Files" and "Read File foo". The permission
"Read All Files" implies that the caller has permission to read the
file foo.

<code>Permissions</code> must be immutable - do not change their
state after creation.

@author Aaron M. Renn (arenn@urbanophile.com)
@see Permissions
@see PermissionCollection
@since 1.1
@status updated to 1.4

public abstract class Permission implements Guard, Serializable
{
/**
 * Compatible with JDK 1.1+.
 */
private static final long serialVersionUID = -5636570222231596674L;

/**
 * This is the name assigned to this permission object.
 *
 * @serial the name of the permission
 */
private String name;

/**
 * Create an instance with the specified name.
 *
 * @param name the permission name
 */
public Permission(String name)
{
    this.name = name;
}

/**
 * This method implements the <code>Guard</code> interface for this class.
 * It calls the <code>checkPermission</code> method in
 * <code>SecurityManager</code> with this <code>Permission</code> as its
 * argument. This method returns silently if the security check succeeds
 * or throws an exception if it fails.
 *
 * @param obj the <code>Object</code> being guarded - ignored by this class
 * @throws SecurityException if the security check fails
 * @see GuardedObject
 * @see SecurityManager#checkPermission(Permission)
 */
public void checkGuard(Object obj)
{
    SecurityManager sm = System.getSecurityManager();
    if (sm != null)
        sm.checkPermission(this);
}

/**
 * This method tests whether this <code>Permission</code> implies that the
 * specified <code>Permission</code> is also granted.
 *
 * @param perm the <code>Permission</code> to test against
 * @return true if perm is implied by this
 */
public abstract boolean implies(Permission perm);
public abstract String getActions();

/**
 * This method returns an empty <code>PermissionCollection</code> object
 * that can store permissions of this type, or <code>null</code> if no
 * such collection is defined. Subclasses must override this to provide
 * an appropriate collection when one is needed to accurately calculate
 * <code>implies</code>.
 *
 * @return a new <code>PermissionCollection</code>
 */
public PermissionCollection newPermissionCollection()
{
    return null;
}

/**
 * This method returns a <code>String</code> representation of this
 * <code>Permission</code> object. This is in the format:
 * <code>'(' + getClass().getName() + ' ' + getName() + ' ' + getActions
 * + ')'</code>.
 *
 * @return this object as a <code>String</code>
 */
public String toString()
{
    CPStringBuilder string = new CPStringBuilder();
    string.append('(');
    string.append(getClass().getName());
    string.append(' ');
    string.append(getName());
    if (!(getActions().equals("")))
    {
        string.append(' ');
        string.append(getActions());
    }
    string.append(')');
    return string.toString();
} // class Permission
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Version 3, 29 June 2007

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM.
Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.

Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.

Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchochmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(??)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.

Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlef(s@detlef@src.dec.com) also provided several generic bug fixes.

Alistair G. Crooks(agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.

Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk). Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task).

Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port. Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC.

Jesse Hull and John Ellis supplied the C++ interface code. Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.)

<appendix xmlns="http://docbook.org/ns/docbook" version="5.0" xml:id="appendix_gpl-3.0"><info><title><acronym>GNU</acronym> General Public License version 3</title></info><bridgehead xml:id="gpl-3-preamble" renderas="sect1">

Preamble
</bridgehead>

Version 3, 29 June 2007

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price no more than your reasonable cost of physically performing this
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<para>
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</para>
</li>
<li>
<para>
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Corresponding Source in the same way through the same place at no
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package gnu.classpath.tools.taglets;

import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.javadoc.Tag;
/**
 * A simple Taglet which handles Copyright information.
 */

public class CopyrightTaglet implements Taglet {

    private static final String NAME = "copyright";
    private static final String HEADER = "Copyright:";

    public String getName() {
        return NAME;
    }

    public boolean inField() {
        return true;
    }

    public boolean inConstructor() {
        return true;
    }

    public boolean inMethod() {
        return true;
    }

    public boolean inOverview() {
        return true;
    }

    public boolean inPackage() {
        return true;
    }

    public boolean inType() {
        return true;
    }

    public boolean isInlineTag() {
        return false;
    }

    public static void register(Map tagletMap) {
        CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
        tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
    }

    public String toString(Tag tag) {
        return toString(new Tag[] { tag });
    }
}
public String toString(Tag[] tags) {
    if (tags.length == 0) {
        return null;
    }
    else {
        boolean haveValidTag = false;
        for (int i = 0; i < tags.length && !haveValidTag; ++i) {
            if (tags[i].text().length() > 0) {
                haveValidTag = true;
            }
        }
        if (haveValidTag) {
            StringBuffer result = new StringBuffer();
            result.append("<dl>\n");
            for (int i = 0; i < tags.length; i++) {
                if (tags[i].text().length() > 0) {
                    result.append("<dt><i>Copyright © " + tags[i].text() + "</i></dt>");
                }
            }
            result.append("</dl>\n");
            return result.toString();
        }
        else {
            return null;
        }
    }
}

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 */

/**
 * Support and default implementations for Shiro's { @link org.apache.shiro.authz.Permission Permission} interface.
 * <p/>
 * <p/>
 * Also note the { @link org.apache.shiro.authz.permission.PermissionResolver PermissionResolver} interface, as
 * it plays an important part in many of Shiro's { @link org.apache.shiro.realm.Realm Realm} implementations
 * and AOP support.
 */
package org.apache.shiro.authz.permission;

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*
package org.apache.shiro.authz.permission;

import java.io.Serializable;

import org.apache.shiro.authz.Permission;

/**
 * An all <tt>AllPermission</tt> instance is one that always implies any other permission; that is, its
 * [implies] method always returns <tt>true</tt>
 *
 * You should be very careful about the users, roles, and/or groups to which this permission is assigned since
 * those respective entities will have the ability to do anything. As such, an instance of this class
 * is typically only assigned only to "root" or "administrator" users or roles.
 *
 * @since 0.1
 */
public class AllPermission implements Permission, Serializable {

/**
 * Always returns <tt>true</tt>, indicating any Subject granted this permission can do anything.
 *
 * @param p the Permission to check for implies logic.
 * @return <tt>true</tt> always, indicating any Subject granted this permission can do anything.
 */
public boolean implies(Permission p) {
    return true;
}

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package org.apache.shiro.authz.permission;

import org.apache.shiro.ShiroException;

/**
 * Thrown by { @link PermissionResolver#resolvePermission(String)} when the String being parsed is not
 * valid for that resolver.
 * @since 0.9
 */
public class InvalidPermissionStringException extends ShiroException {

    private String permissionString;

    /**
     * Constructs a new exception with the given message and permission string.
     *
     * @param message the exception message.
     * @param permissionString the invalid permission string.
     */
    public InvalidPermissionStringException(String message, String permissionString) {
        super(message);
        this.permissionString = permissionString;
    }

    /**
     * Returns the permission string that was invalid and caused this exception to
     * be thrown.
     */
* @return the permission string.
 */

public String getPermissionString() {
    return this.permissionString;
}

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*/

package org.apache.shiro.authz;

/**
* A Permission represents the ability to perform an action or access a resource. A Permission is the most
* granular, or atomic, unit in a system's security policy and is the cornerstone upon which fine-grained security
* models are built.
* 
* It is important to understand a Permission instance only represents functionality or access - it does not grant it.
* Granting access to an application functionality or a particular resource is done by the application's security
* configuration, typically by assigning Permissions to users, roles and/or groups.
* 
* Most typical systems are what the Shiro team calls role-based in nature, where a role represents
* common behavior for certain user types. For example, a system might have an Administrator role, a
* User or Guest roles, etc.
* 
* But if you have a dynamic security model, where roles can be created and deleted at runtime, you can't hard-code
* role names in your code. In this environment, roles themselves aren't very useful. What matters is what
* permissions are assigned to these roles.
* 
* Under this paradigm, permissions are immutable and reflect an application's raw functionality
* (opening files, accessing a web URL, creating users, etc). This is what allows a system's security policy
* to be dynamic: because Permissions represent raw functionality and only change when the application's
* source code changes, they are immutable at runtime - they represent 'what' the system can do. Roles, users, and
* groups are the 'who' of the application. Determining 'who' can do 'what' then becomes a simple exercise of
* associating Permissions to roles, users, and groups in some way.
* <p/>
* Most applications do this by associating a named role with permissions (i.e. a role 'has a' collection of
* Permissions) and then associate users with roles (i.e. a user 'has a' collection of roles) so that by transitive
* association, the user 'has' the permissions in their roles. There are numerous variations on this theme
* (permissions assigned directly to users, or assigned to groups, and users added to groups and these groups in turn
* have roles, etc, etc). When employing a permission-based security model instead of a role-based one, users, roles,
* and groups can all be created, configured and/or deleted at runtime. This enables an extremely powerful security
* model.
* <p/>
* A benefit to Shiro is that, although it assumes most systems are based on these types of static role or
* dynamic role w/ permission schemes, it does not require a system to model their security data this way - all
* Permission checks are relegated to [@link org.apache.shiro.realm.Realm Realm] implementations, and only those
* implementations really determine how a user 'has' a permission or not. The Realm could use the semantics
* described here, or it could utilize some other mechanism entirely - it is always up to the application developer.
* <p/>
* Shiro provides a very powerful default implementation of this interface in the form of the
* [@link org.apache.shiro.authz.permission.WildcardPermission WildcardPermission]. We highly recommend that
* you investigate this class before trying to implement your own <code>Permission</code>s.
* @see org.apache.shiro.authz.permission.WildcardPermission WildcardPermission
* @since 0.2
*/
public interface Permission {

/**
 * Returns [@code true] if this current instance <em>implies</em> all the functionality and/or resource access
 * described by the specified [@code Permission] argument, [@code false] otherwise.
 * <p/>
 * That is, this current instance must be exactly equal to or a <em>superset</em> of the functionalty
 * and/or resource access described by the given [@code Permission] argument. Yet another way of saying this
 * would be:
 * <p/>
 * If &quot;permission1 implies permission2&quot;, i.e. <code>permission1.implies(permission2)</code>,
 * then any Subject granted { @code permission1 } would have ability greater than or equal to that defined by
 * { @code permission2 }.
 *
 * @param p the permission to check for behavior/functionality comparison.
 * @return [@code true] if this current instance <em>implies</em> all the functionality and/or resource access
 * described by the specified [@code Permission] argument, [@code false] otherwise.
 */
boolean implies(Permission p);
package org.apache.shiro.authz.permission;

import org.apache.shiro.authz.Permission;

public class WildcardPermissionResolver implements PermissionResolver {

/**
 * Returns a new {@link WildcardPermission WildcardPermission} instance constructed based on the specified
 * <tt>permissionString</tt>.  
 * @param permissionString the permission string to convert to a {@link Permission Permission} instance.
 * @return a new {@link WildcardPermission WildcardPermission} instance constructed based on the specified
 *         <tt>permissionString</tt>
 * */
    public Permission resolvePermission(String permissionString) {
        return new WildcardPermission(permissionString);
    }

} /*
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* under the License.
*/
package org.apache.shiro.authz.permission;

import org.apache.shiro.authz.Permission;

/**
   * A {@code PermissionResolver} resolves a String value and converts it into a
   * <p/>
   * The default [@link WildcardPermissionResolver] should be
   * suitable for most purposes, which constructs [@link WildcardPermission] objects.
   * However, any resolver may be configured if an application wishes to use different
   * <p/>
   * A [@code PermissionResolver] is used by many Shiro components such as annotations, property file
   * configuration, URL configuration, etc. It is useful whenever a String representation of a permission is specified
   * and that String needs to be converted to a Permission instance before executing a security check.
   * <p/>
   * Shiro chooses to support [@link WildcardPermission Wildcardpermission]s by default in almost all components and
   * we do that in the form of the [@link WildcardPermissionResolver WildcardPermissionResolver]. One of the nice
   * things about [@code WildcardPermission]s being supported by default is that it makes it very easy to
   * store complex permissions in the database - and also makes it very easy to represent permissions in JSP files,
   * annotations, etc., where a simple string representation is useful.
   * <p/>
   * Although this happens to be the Shiro default, you are of course free to provide custom
   * String-to-Permission conversion by providing Shiro components any instance of this interface.
   *
   * @see org.apache.shiro.authz.ModularRealmAuthorizer#setPermissionResolver(PermissionResolver)
   * ModularRealmAuthorizer.setPermissionResolver
   * @see org.apache.shiro.realm.AuthorizingRealm#setPermissionResolver(PermissionResolver)
   * AuthorizingRealm.setPermissionResolver
   * @see PermissionResolverAware PermissionResolverAware
   * @since 0.9
public interface PermissionResolver {

    /**
     * Resolves a Permission based on the given String representation.
     *
     * @param permissionString the String representation of a permission.
     * @return A Permission object that can be used internally to determine a subject's permissions.
     * @throws InvalidPermissionStringException if the permission string is not valid for this resolver.
     */
    Permission resolvePermission(String permissionString);
}

package org.apache.shiro.authz.permission;

/**
   * Interface implemented by a component that wishes to use any application-configured
   * &lt;tt&gt;RolePermissionResolver&lt;/tt&gt; that
   * might already exist instead of potentially creating one itself.
   *
   * &lt;p&gt;This is mostly implemented by {@link org.apache.shiro.authz.Authorizer Authorizer} and
   * {@link org.apache.shiro.realm.Realm Realm} implementations since they
   * are the ones performing permission checks and need to know how to resolve Strings into
   * {@link org.apache.shiro.authz.Permission Permission} instances.
   *
   * @since 1.0
   */
  public interface RolePermissionResolverAware {

public void setRolePermissionResolver(RolePermissionResolver rpr);
}

package org.apache.shiro.authz.permission;

import org.apache.shiro.authz.Permission;
import java.util.Collection;

/**
* A RolePermissionResolver resolves a String value and converts it into a Collection of
* `@link org.apache.shiro.authz.Permission` instances.
* <p/>
* In some cases a `@link org.apache.shiro.realm.Realm` may only be able to return a list of roles. This
* component allows an application to resolve the roles into permissions.
* 
* 
* public interface RolePermissionResolver {

    /**
     * Resolves a Collection of Permissions based on the given String representation.
     *
     * @param roleString the String representation of a role name to resolve.
     * @return a Collection of Permissions based on the given String representation.
     */
    Collection<Permission> resolvePermissionsInRole(String roleString);
package org.apache.shiro.authz.permission;

import org.apache.shiro.authz.Permission;
import org.apache.shiro.util.CollectionUtils;
import org.apache.shiro.util.StringUtils;
import java.io.Serializable;
import java.util.ArrayList;
import java.util.LinkedHashSet;
import java.util.List;
import java.util.Set;

/**
 * A <code>WildcardPermission</code> is a very flexible permission construct supporting multiple levels of
 * permission matching. However, most people will probably follow some standard conventions as explained below.
 * <p>
 * In the simplest form, <code>WildcardPermission</code> can be used as a simple permission string. You could
 * grant a
 * user an &quot;editNewsletter&quot; permission and then check to see if the user has the editNewsletter
 * permission by calling
 * <p>
 * <code>subject.isPermitted(&quot;editNewsletter&quot;)</code>
 * <p>
 * This is (mostly) equivalent to
 * <p>
 * <code>subject.isPermitted( new WildcardPermission(&quot;editNewsletter&quot;) )</code>
 */
The simple permission string may work for simple applications, but it requires you to have permissions like
<code>&quot;viewNewsletter&quot;,&quot;deleteNewsletter&quot;</code>, etc. You can also grant a user <code>&quot;*&quot;</code> permissions
using the wildcard character (giving this class its name), which means they have <em>all</em> permissions. But
using this approach there's no way to just say a user has <em>all newsletter permissions</em>.

For this reason, <code>WildcardPermission</code> supports multiple <em>levels</em> of permissioning.

<code>WildcardPermission</code> also supports the concept of multiple <em>levels</em>. For example, you could
restructure the previous simple example by granting a user the permission
<code>&quot;newsletter:edit&quot;</code>. The colon in this example is a special character used by the <code>WildcardPermission</code> that delimits the
next token in the permission.

In this example, the first token is the <em>domain</em> that is being operated on
and the second token is the <em>action</em> being performed. Each level can contain multiple values. So you
could simply grant a user the permission <code>&quot;newsletter:view,edit,create&quot;</code> which gives them
access to perform <code>&quot;view&quot;</code>, <code>&quot;edit&quot;</code>, and <code>&quot;create&quot;</code> actions in the
<code>newsletter</code> <em>domain</em>. Then you could check to see if the user has the
<code>&quot;newsletter:create&quot;</code> permission by calling
<code>subject.isPermitted(&quot;newsletter:create&quot;)</code> (which would return true).

In addition to granting multiple permissions via a single string, you can grant all permission for a particular
level. So if you wanted to grant a user all actions in the <code>newsletter</code> <em>domain</em>, you could simply give them <code>&quot;newsletter:*&quot;</code>. Now, any permission check for
<code>&quot;newsletter:XXX&quot;</code> will return <code>true</code>. It is also possible to use the wildcard token at the domain level (or both): so you
could grant a user the <code>&quot;view&quot;</code> action across all domains
<code>&quot;*:view&quot;</code>.

Another common usage of the <code>WildcardPermission</code> is to model instance-level Access Control Lists.
In this scenario you use three tokens - the first is the <em>domain</em>, the second is the <em>action</em>, and the third is the <em>instance</em> you are acting on.
* So for example you could grant a user <code>"newsletter:edit:12,13,18"</code>. In this example, assume
* that the third token is the system's ID of the newsletter. That would allow the user to edit newsletters
* <code>12</code>, <code>13</code>, and <code>18</code>. This is an extremely powerful way to express permissions,
* since you can now say things like <code>"newsletter:*:13"</code> (grant a user all actions for newsletter
* <code>13</code>), <code>"newsletter:view,create,edit:*"</code> (allow the user to
* <code>view</code>, <code>create</code>, or <code>edit</code> <em>any</em> <em>newsletter</em>), or
* <code>"newsletter:*:*"</code> (allow the user to perform <em>any</em> action on <em>any</em> newsletter).
*<p/>

* To perform checks against these instance-level permissions, the application should include the instance ID in the
* permission check like so:
*<p/>
*<code>subject.isPermitted( "newsletter:edit:13" )</code>
*<p/>

* There is no limit to the number of tokens that can be used, so it is up to your imagination in terms of ways that
* this could be used in your application. However, the Shiro team likes to standardize some common usages shown
* above to help people get started and provide consistency in the Shiro community.
*
* @since 0.9
*/

class WildcardPermission implements Permission, Serializable {

    //TODO - JavaDoc methods

    /*-----------------------------
     |             C O N S T A N T S          |
     |--------------------------------------|
    protected static final String WILDCARD_TOKEN = "*";
    protected static final String PART_DIVIDER_TOKEN = ";";
    protected static final String SUBPART_DIVIDER_TOKEN = ",";
    protected static final boolean DEFAULT_CASE_SENSITIVE = false;
    */

    /*-----------------------------
     |   I N S T A N C E   V A R I A B L E S    |
     |--------------------------------------|
    private List&lt;Set&lt;String&gt;&gt; parts;
    */

    /*-----------------------------
     |         C O N S T R U C T O R S           |
     |--------------------------------------*/
    /**
     * Default no-arg constructor for subclasses only - end-user developers instantiating Permission instances must
     * provide a wildcard string at a minimum, since Permission instances are immutable once instantiated.
     */
* Note that the WildcardPermission class is very robust and typically subclasses are not necessary unless you
* wish to create type-safe Permission objects that would be used in your application, such as perhaps a
* [ @code UserPermission], [ @code SystemPermission], [ @code PrinterPermission], etc. If you want such
type-safe
* permission usage, consider subclassing the [ @link DomainPermission DomainPermission] class for your
needs.
*/
protected WildcardPermission() {
}

public WildcardPermission(String wildcardString) {
    this(wildcardString, DEFAULT_CASE_SENSITIVE);
}

public WildcardPermission(String wildcardString, boolean caseSensitive) {
    setParts(wildcardString, caseSensitive);
}

protected void setParts(String wildcardString) {
    setParts(wildcardString, DEFAULT_CASE_SENSITIVE);
}

protected void setParts(String wildcardString, boolean caseSensitive) {
    wildcardString = StringUtils.clean(wildcardString);
    if (wildcardString == null || wildcardString.isEmpty()) {
        throw new IllegalArgumentException("Wildcard string cannot be null or empty. Make sure permission
strings are properly formatted.");
    }
    List<String> parts = CollectionUtils.asList(wildcardString.split(PART_DIVIDER_TOKEN));
    this.parts = new ArrayList<Set<String>>();
    for (String part : parts) {
        Set<String> subparts = CollectionUtils.asSet(part.split(SUBPART_DIVIDER_TOKEN));
        if (!caseSensitive) {
            subparts = lowercase(subparts);
        }
        if (subparts.isEmpty()) {
            throw new IllegalArgumentException("Wildcard string cannot contain parts with only dividers. Make sure permission
strings are properly formatted.");
        }
        this.parts.add(subparts);
    }
    if (this.parts.isEmpty()) {
        throw new IllegalArgumentException("Wildcard string cannot contain only dividers. Make sure permission
strings are properly formatted.");
    }
private Set<String> lowercase(Set<String> subparts) {
    Set<String> lowerCasedSubparts = new LinkedHashSet<String>(subparts.size());
    for (String subpart : subparts) {
        lowerCasedSubparts.add(subpart.toLowerCase());
    }
    return lowerCasedSubparts;
}

protected List<Set<String>> getParts() {
    return this.parts;
}

public boolean implies(Permission p) {
    // By default only supports comparisons with other WildcardPermissions
    if (!(p instanceof WildcardPermission)) {
        return false;
    }

    WildcardPermission wp = (WildcardPermission) p;

    List<Set<String>> otherParts = wp.getParts();

    int i = 0;
    for (Set<String> otherPart : otherParts) {
        // If this permission has less parts than the other permission, everything after the number of parts contained
        // in this permission is automatically implied, so return true
        if (getParts().size() - 1 < i) {
            return true;
        } else {
            Set<String> part = getParts().get(i);
            if (!part.contains(WILDCARD_TOKEN) && !part.containsAll(otherPart)) {
                return false;
            }
            i++;
        }
    }

    // If this permission has more parts than the other parts, only imply it if all of the other parts are wildcards

for (; i < getParts().size(); i++) {
    Set<String> part = getParts().get(i);
    if (!part.contains(WILDCARD_TOKEN)) {
        return false;
    }
}

return true;
}

public String toString() {
    StringBuilder buffer = new StringBuilder();
    for (Set<String> part : parts) {
        if (buffer.length() > 0) {
            buffer.append(":" );
        }
        buffer.append(part);
    }
    return buffer.toString();
}

public boolean equals(Object o) {
    if (o instanceof WildcardPermission) {
        WildcardPermission wp = (WildcardPermission) o;
        return parts.equals(wp.parts);
    }
    return false;
}

public int hashCode() {
    return parts.hashCode();
}

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package org.apache.shiro.authz.permission;

/**
 * Interface implemented by a component that wishes to use any application-configured <tt>PermissionResolver</tt>
 * that might already exist instead of potentially creating one itself.
 *
 * <p>This is mostly implemented by { @link org.apache.shiro.authz.Authorizer Authorizer} and
 * { @link org.apache.shiro.realm.Realm Realm} implementations since they
 * are the ones performing permission checks and need to know how to resolve Strings into
 * { @link org.apache.shiro.authz.Permission Permission} instances.
 *
 * @since 0.9
 */

public interface PermissionResolverAware {

    /**
     * Sets the specified <tt>PermissionResolver</tt> on this instance.
     *
     * @param pr the <tt>PermissionResolver</tt> being set.
     */
    public void setPermissionResolver(PermissionResolver pr);
}
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1.232 httpcomponents-core 4.3.3

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The full snowball package is available from
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   analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
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   analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
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1.248 open-ssl 1.0.2k 19.el7

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1.254 activemq-leveldb-store 5.15.9

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From strings/apr_fnmatch.c, include/apr_fnmatch.h, misc/unix/getopt.c, file_io/unix/mktemp.c, strings/apr_strings.c:

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From network_io/unix/inet_ntop.c, network_io/unix/inet_pton.c:

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From strings/apr_strnatcmp.c, include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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From strings/apr_snprintf.c:

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file name:  UBiDiProps.java
encoding:  US-ASCII	
tab size:  8 (not used)
indentation:4

created on:  2005jan16
created by:  Markus W. Scherer

Low-level Unicode bidi/shaping properties access.
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<code>Replaceable</code> is an interface representing a
string of characters that supports the replacement of a range of itself with a new string of characters. It is used by APIs that change a piece of text while retaining metadata. Metadata is data other than the Unicode characters returned by char32At(). One example of metadata is style attributes; another is an edit history, marking each character with an author and revision number.

An implicit aspect of the Replaceable API is that during a replace operation, new characters take on the metadata of the old characters. For example, if the string "the <b>bold</b> font" has range (4, 8) replaced with "strong", then it becomes "the <b>strong</b> font".

Replaceable specifies ranges using a start offset and a limit offset. The range of characters thus specified includes the characters at offset start..limit-1. That is, the start offset is inclusive, and the limit offset is exclusive.

Replaceable also includes API to access characters in the string: length(), charAt(), char32At(), and extractBetween().

For a subclass to support metadata, typical behavior of replace() is the following:
<ul>
<li>Set the metadata of the new text to the metadata of the first character replaced</li>
<li>If no characters are replaced, use the metadata of the previous character</li>
<li>If there is no previous character (i.e. start == 0), use the following character</li>
<li>If there is no following character (i.e. the replaceable was empty), use default metadata</li>
<li>If the code point U+FFFF is seen, it should be interpreted as a special marker having no metadata</li>
</ul>

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

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@author Alan Liu
@stable ICU 2.0

ReplaceableString is an adapter class that implements the Replaceable API around an ordinary StringBuffer.
Note: This class does not support attributes and is not intended for general use. Most clients will need to implement [Replaceable] in their text representation class.

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@see Replaceable
@author Alan Liu
@stable ICU 2.0

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import java.io.Serializable;

/**
 * Legacy security code; do not use.
 */
public abstract class Permission implements Guard, Serializable {

    public Permission(String name) {
    }

    public final String getName() { return null; }

    public void checkGuard(Object obj) throws SecurityException {
    }

    public PermissionCollection newPermissionCollection() {
        return new AllPermissionCollection();
    }

    public abstract String getActions();

    public abstract boolean implies(Permission permission);
}

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1.263 lucene-memory 7.7.0

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The snowball stemmers in analysis/common/src/java/net/sf/snowball were developed by Martin Porter and Richard Boulton.
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The full snowball package is available from http://snowball.tartarus.org/

The KStem stemmer in
was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst) under the BSD-license.

The Arabic, Persian, Romanian, Bulgarian, Hindi and Bengali analyzers (common) come with a default stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:

- analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt
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- analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt
- analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt
- analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt


The German, Spanish, Finnish, French, Hungarian, Italian, Portuguese, Russian and Swedish light stemmers (common) are based on BSD-licensed reference implementations created by Jacques Savoy and Ljiljana Dolamic. These files reside in:

- analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
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- analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

The Stempel analyzer (stempel) includes BSD-licensed software developed by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil, and Edmond Nolan.

The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt. See http://project.carrot2.org/license.html.

The SmartChineseAnalyzer source code (smartcn) was provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

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===========================================================================
Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
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1.270 perl 1.04 294.el7_6

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<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>
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Gnomovision version 69, Copyright (C) 19xx name of author
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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The End

#!perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the
C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match
reality.

Optionally you can pass the C<--now> option to check they are at the current
year. This isn't checked by default, so that it doesn't fail for people
working on older releases. It should be run before making a new release.

=cut

use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) {
    skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}
# Otherwise simply check that the two copyright dates match each other:
else
{
  is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
  open my $readme, '<', '../README' or die "Opening README failed: $!";
  # The copyright message is the first paragraph:
  local $/ = '';
  my $copyright_msg = <$readme>;
  my ($year) = $copyright_msg =~ /.*(\d{4,})/s
    or die "Year not found in README copyright message '$copyright_msg'";
  $year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{
  my $output = runperl switches => ['-v'];
  my ($year) = $output =~ /copyright \b(1987.*\d{4,})\b/s
    or die "Copyright statement not found in perl -v output '$output'";
  $year;
}

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---
abstract: 'Build and install Perl modules'
author:
  - 'Ken Williams <kwilliams@cpan.org>'
  - "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>."
build_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
  license: http://dev.perl.org/licenses/
  repository: http://github.com/dagolden/module-build/
  version: 3

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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    <signature of Ty Coon>, 1 April 1989
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1.271 **stax-api 1.0-2**

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Spring Boot CLI

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>>> ASM 4.0 (org.ow2.asm:asm)

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```
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apalysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
apalysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt,
apalysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt
```


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analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
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analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
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1.280 perl-scalar-list-utils 1.27 248.el7

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1.281 java-mail 1.6.0

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Woodstox was originally written by Tatu Saloranta (<tatu.saloranta@iki.fi>.

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BUILD: 2016-02-13 19:37:50+01:00
GIT: 6e63b53

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It was originally written by Tatu Saloranta (tatu.salaranta@iki.fi), and has been in development since 2007.
It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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The primary ANTLR guy:

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- analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt
- analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt
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You might want to interpret some document fields in more than one way. Solr has a mechanism for making copies of fields so that you can apply several distinct field types to a single piece of incoming information.

The name of the field you want to copy is the _source_, and the name of the copy is the _destination_. In `schema.xml`, it's very simple to make copies of fields:

[source,xml]
----
<copyField source="cat" dest="text" maxChars="30000" />
----

In this example, we want Solr to copy the `cat` field to a field named `text`. Fields are copied before <<understanding-analyzers-tokenizers-and-filters.adoc#understanding-analyzers-tokenizers-and-filters,analysis>> is done, meaning you can have two fields with identical original content, but which use different analysis chains and are stored in the index differently.

In the example above, if the `text` destination field has data of its own in the input documents, the contents of the `cat` field will be added as additional values just as if all of the values had originally been specified by the client. Remember to configure your fields as `multivalued="true"` if they will ultimately get multiple values (either from a multivalued source or from multiple `copyField` directives).

A common usage for this functionality is to create a single "search" field that will serve as the default query field when users or clients do not specify a field to query. For example, `title`, `author`, `keywords`, and `body` may all be fields that should be searched by default, with copy field rules for each field to copy to a `catchall` field (for example, it could be named anything). Later you can set a rule in `solrconfig.xml` to search the `catchall` field by default. One caveat to this is your index will grow when using copy fields. However, whether this becomes problematic for you and the final size will depend on the number of fields being copied, the number of destination fields being copied to, the analysis in use, and the available disk space.
The `maxChars` parameter, an `int` parameter, establishes an upper limit for the number of characters to be copied from the source value when constructing the value added to the destination field. This limit is useful for situations in which you want to copy some data from the source field, but also control the size of index files.

Both the source and the destination of `copyField` can contain either leading or trailing asterisks, which will match anything. For example, the following line will copy the contents of all incoming fields that match the wildcard pattern `*_t` to the text field:

[source,xml]
---
<copyField source="*_t" dest="text" maxChars="25000" />
---

[IMPORTANT]
=====

The `copyField` command can use a wildcard (*) character in the `dest` parameter only if the `source` parameter contains one as well. `copyField` uses the matching glob from the source field for the `dest` field name into which the source content is copied.

=====

Copying is done at the stream source level and no copy feeds into another copy. This means that copy fields cannot be chained i.e., you cannot copy from ‘here’ to ‘there’ and then from ‘there’ to ‘elsewhere’. However, the same source field can be copied to multiple destination fields:

[source,xml]
---
<copyField source="here" dest="there"/>
<copyField source="here" dest="elsewhere"/>
---

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That's all there is to it!
java-libpst is a pure java library for the reading of Outlook PST and OST files.
https://github.com/rjohnsondev/java-libpst

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Janino - An embedded Java[TM] compiler

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*/

package org.apache.solr.security;

import java.util.Collection;
import java.util.Collections;
import java.util.HashSet;
import java.util.List;
import java.util.Map;
import java.util.Set;
import java.util.function.Function;
import java.util.regex.Pattern;
import java.util.stream.Collectors;

import com.google.common.collect.ImmutableSet;
import org.apache.solr.common.SolrException;
import org.apache.solr.common.util.Utils;

import static java.util.Collections.singleton;
import static java.util.Collections.singletonList;
import static org.apache.solr.common.params.CommonParams.NAME;

class Permission {
    String name;
    Set<String> path, role, collections, method;
    Map<String, Function<String[], Boolean>> params;
    PermissionNameProvider.Name wellknownName;
    Map originalConfig;

    private Permission() {
    }

    static Permission load(Map m) {
        Permission p = new Permission();
        p.originalConfig = new LinkedHashMap<>(m);
        String name = (String) m.get(NAME);
        if (!m.containsKey("role")) throw new SolrException(SolrException.ErrorCode.BAD_REQUEST, "role not specified");
        p.role = readValueAsSet(m, "role");
        if (PermissionNameProvider.Name.get(name)!= null) {
            p.wellknownName = PermissionNameProvider.Name.get(name);
            HashSet<String> disAllowed = new HashSet<>(knownKeys);
            disAllowed.remove("role"); //these are the only allowed keys for well-known permissions
            disAllowed.remove("collection"); //allowed keys for well-known permissions
            disAllowed.remove("index");
            for (String s : disAllowed) {
                if (m.containsKey(s)) throw new SolrException(SolrException.ErrorCode.BAD_REQUEST, s + " is not a valid key for the permission : " + name);
            }
        }
        p.name = name;
        p.path = readSetSmart(name, m, "path");
        p.collections = readSetSmart(name, m, "collection");
        p.method = readSetSmart(name, m, "method");
        Map<String, Object> paramRules = (Map<String, Object>) m.get("params");
        if (paramRules != null) {
            
        }
    }
}
p.params = new LinkedHashMap<>();
for (Map.Entry<String, Object> e : paramRules.entrySet()) {
    if (e.getValue() == null) {
        p.params.put(e.getKey(), (String[] val) -> val == null);
    } else {
        List<String> patternStrs = e.getValue() instanceof List ?
            (List) e.getValue() :
            singletonList(e.getValue().toString());
        List patterns = patternStrs.stream()
            .map(it -> it.startsWith("REGEX:")) ?
            Pattern.compile(String.valueOf(it.substring("REGEX:".length())))
            .collect(Collectors.toList());
        p.params.put(e.getKey(), val -> {
            if (val == null) return false;
            for (Object pattern : patterns) {
                for (String s : val) {
                    if (pattern instanceof String) {
                        if (pattern.equals(s)) return true;
                    } else if (pattern instanceof Pattern) {
                        if (((Pattern) pattern).matcher(s).find()) return true;
                    }
                }
            }
            return false;
        });
    }
}
return p;

/**
 * This checks for the defaults available other rules for the keys
 */
private static Set<String> readSetSmart(String permissionName, Map m, String key) {
    if(PermissionNameProvider.values.containsKey(permissionName) && !m.containsKey(key) &&
            "collection".equals(key)) {
        return PermissionNameProvider.Name.get(permissionName).collName;
    }
    Set<String> set = readValueAsSet(m, key);
    if ("method".equals(key)) {
        if (set != null) {
            for (String s : set) if (!HTTP_METHODS.contains(s)) return null;
        }
    }
    return set == null ? singleton(null) : set;
}
/**
 * read a key value as a set. if the value is a single string ,
 * return a singleton set
 *
 * @param m   the map from which to lookup
 * @param key the key with which to do lookup
 */
static Set<String> readValueAsSet(Map m, String key) {
    Set<String> result = new HashSet<>();
    Object val = m.get(key);
    if (val == null) {
        if("collection".equals(key)) {
            //for collection collection: null means a core admin/ collection admin request
            // otherwise it means a request where collection name is ignored
            return m.containsKey(key) ? singleton(null) : singleton("*");
        }
        return null;
    }
    if (val instanceof Collection) {
        Collection list = (Collection) val;
        for (Object o : list) result.add(String.valueOf(o));
    } else if (val instanceof String) {
        result.add((String) val);
    } else {
        throw new RuntimeException("Bad value for : " + key);
    }
    return result.isEmpty() ? null : Collections.unmodifiableSet(result);
}

@Override
public String toString() {
    return Utils.toJSONString(originalConfig);
}

static final Set<String> knownKeys = ImmutableSet.of("collection", "role", "params", "path", "method", NAME,"index");
public static final Set<String> HTTP_METHODS = ImmutableSet.of("GET", "POST", "DELETE", "PUT", "HEAD");

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---

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When upgrading Lucene-Java Jars, remember to generate new Analysis factories for any new Tokenizers or TokenFilters. See the wiki for details...

http://wiki.apache.org/solr/CommitterInfo

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CyberNeko HTML Parser
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NekoHTML is a simple HTML scanner and tag balancer that enables application programmers to parse HTML documents and access the information using standard XML interfaces. The parser can scan HTML files and "fix up" many common mistakes that human (and computer) authors make in writing HTML documents. NekoHTML adds missing parent elements, automatically closes elements with optional end tags; and can
handle mismatched inline element tags.

NekoHTML is written using the Xerces Native Interface (XNI) that is the foundation of the Xerces2 implementation. This enables you to use the NekoHTML parser with existing XNI tools without modification or rewriting code.

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Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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JUnit4, parallel JUnit execution for ANT

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-- activemq-web

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## Source Code

The project maintains the following source code repositories:

* https://github.com/eclipse-ee4j/metro-xmlstreambuffer
* https://github.com/eclipse-ee4j/metro-policy
* https://github.com/eclipse-ee4j/metro-wsit
* https://github.com/eclipse-ee4j/metro-mimepull
* https://github.com/eclipse-ee4j/metro-ws-test-harness
* https://github.com/eclipse-ee4j/metro-package-rename-task
* https://github.com/eclipse-ee4j/metro-jax-ws
* https://github.com/eclipse-ee4j/metro-saaj
* https://github.com/eclipse-ee4j/metro-jwsdp-samples
* https://github.com/eclipse-ee4j/jax-rpc-ri

## Third-party Content

This project leverages the following third party content.

addressing.xml Version: 2004/10 (n/a)

* License: W3C
* Project: https://www.w3.org/Submission/ws-addressing/
* Source: http://schemas.xmlsoap.org/ws/2004/08/addressing/
ant-launcher (1.10.2)

* License: Apache-2.0 AND SAX-PD AND W3C
* Project: https://ant.apache.org/
* Source: http://central.maven.org/maven2/org/apache/ant/ant-launcher/1.10.2/ant-launcher-1.10.2-sources.jar

Apache Ant (1.6)

* License: Apache-1.1
* Project: https://ant.apache.org/
* Source: https://repo1.maven.org/maven2/ant/ant/1.6/ant-1.6-sources.jar

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commons-logging (1.1.2)

* License: Apache-2.0
* Project: https://commons.apache.org/proper/commons-logging/
* Source: http://central.maven.org/maven2/commons-logging/commons-logging/1.1.2/commons-logging-1.1.2-sources.jar

JUnit (4.12)

* License: Eclipse Public License

maven-core (3.5.2)

* License: Apache-2.0

maven-plugin-annotations (3.5.1)

* License: Apache-2.0
* Source: https://github.com/apache/maven-plugin-tools/tree/maven-plugin-tools-3.5.1/maven-plugin-annotations

maven-plugin-api (3.5.2)

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* Project: https://maven.apache.org/
* Source: https://github.com/apache/maven/tree/master/maven-plugin-api

maven-resolver-api (1.1.1)
maven-resolver-util (1.1.1)

maven-settings (3.5.2)

mex.xsd Version: 2004/09 (n/a)

plexus-utils (3.1.0)

relaxng-datatype (1.0)

stax2-api (4.1)

testng (6.14.2)

woodstox-core-asl (4.4.1)

woodstox-core-asl (5.1.0)
ws-addr.wsd (1.0)

* License: W3C
* Project: https://www.w3.org/2005/08/addressing/
* Source: https://www.w3.org/2006/03/addressing/ws-addr.xsd

wsat.xsd Version: 2004/10 (n/a)

* License: Oasis Style
* Source: http://schemas.xmlsoap.org/ws/2004/10/wsat/wsat.xsd

wscoor.xsd (1.0)

* License: OASIS Style

wscoor.xsd (1.1)

* License: Oasis (Custom)
* Project: http://docs.oasis-open.org/ws-tx/wscoor/2006/06
* Source:
  http://docs.oasis-open.org/ws-tx/wscoor/2006/06/wstx-wscoor-1.1-schema-200701.xsd

wsrm Version: 2005/02 (n/a)

* License: Oasis (Custom)
* Project: http://schemas.xmlsoap.org/ws/2005/02/rm/
* Source:

wsrm.xsd (1.2)

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wstx-wsat.xsd (1.1)

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xmlsec (1.5.8)

* License: Apache-2.0
* Project: http://santuario.apache.org/
* Source:
  https://repo1.maven.org/maven2/org/apache/santuario/xmlsec/1.5.8/xmlsec-1.5.8-sources.jar

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1.302 mysql 5.7.13

1.303 axis2-transport-http 1.7.4
1.303.1 Available under license :

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* [https://github.com/eclipse-ee4j/metro-jwsdp-samples](https://github.com/eclipse-ee4j/metro-jwsdp-samples)
* [https://github.com/eclipse-ee4j/jax-rpc-ri](https://github.com/eclipse-ee4j/jax-rpc-ri)

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1.313 antlr-runtime 4.5.1 1

1.314 libxfont 7.5 21.el7

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<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE hibernate-mapping PUBLIC "-//Hibernate/Hibernate Mapping DTD//EN"
"https://hibernate.org/dtd/hibernate-mapping-3.0.dtd">

<hibernate-mapping auto-import="true" default-lazy="false">
    <class name="org.springframework.test.context.junit4.orm.domain.DriversLicense" table="drivers_license">
        <id name="id" column="id">
            <generator class="identity" />
        </id>
        <property name="number" column="license_number" />
    </class>
</hibernate-mapping>

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package org.springframework.test.context.junit4.orm.domain;

/**
 * DriversLicense POJO.
 *
 * @author Sam Brannen
 * @since 3.0
 */
public class DriversLicense {

private Long id;

private Long number;

public DriversLicense() {
}

public DriversLicense(Long number) {
    this(null, number);
}

public DriversLicense(Long id, Long number) {
    this.id = id;
    this.number = number;
}

public Long getId() {
    return this.id;
}

protected void setId(Long id) {
    this.id = id;
}

public Long getNumber() {
    return this.number;
}

public void setNumber(Long number) {
    this.number = number;
}
}
package org.springframework.orm.jpa.domain;

import javax.persistence.Entity;
import javax.persistence.Id;
import javax.persistence.Table;

@Entity
@Table(name="DRIVERS_LICENSE")
public class DriversLicense {

@Id
private int id;

private String serial_number;

protected DriversLicense() {
}

public DriversLicense(String serialNumber) {
    this.serial_number = serialNumber;
}

public String getSerialNumber() {
    return serial_number;
}
}
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==================================================================

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>>> JOpt Simple (net.sf.jopt-simple:jopt-simple)
>>> ASM 4.0 (org.ow2.asm:asm)

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Maven Repository Metadata Model (org.apache.maven:maven-repository-metadata)
Maven Settings (org.apache.maven:maven-settings)
Maven Settings Builder (org.apache.maven:maven-settings-builder)
Plexus :: Component Annotations (org.codehaus.plexus:plexus-component-annotations)
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DOCUMENTATION ROADMAP

This file contains the following sections:

OVERVIEW  General description of JPEG and the IJG software.
LEGAL ISSUES Copyright, lack of warranty, terms of distribution.
REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
RELATED SOFTWARE Other stuff you should get.
FILE FORMAT WARS Software *not* to get.
TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:
install.doc  How to configure and install the IJG software.
usage.doc   Usage instructions for cjpeg, djpeg, jpegtran,
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* Man pages for programs (same info as usage.doc).
wizard.doc       Advanced usage instructions for JPEG wizards only.
change.log       Version-to-version change highlights.
Programmer and internal documentation:
libjpeg.doc      How to use the JPEG library in your own programs.
example.c        Sample code for calling the JPEG library.
structure.doc    Overview of the JPEG library's internal structure.
filelist.doc     Road map of IJG files.
coderules.doc    Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information
can also be found in the JPEG FAQ (Frequently Asked Questions) article. See
ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or
more of the REFERENCES, then looking at the documentation files (in roughly
the order listed) before diving into the code.

OVERVIEW
========

This package contains C software to implement JPEG image compression and
decompression. JPEG (pronounced "jay-peg") is a standardized compression
method for full-color and gray-scale images. JPEG is intended for compressing
"real-world" scenes; line drawings, cartoons and other non-realistic images
are not its strong suit. JPEG is lossy, meaning that the output image is not
exactly identical to the input image. Hence you must not use JPEG if you
have to have identical output bits. However, on typical photographic images,
very good compression levels can be obtained with no visible change, and
remarkably high compression levels are possible if you can tolerate a
low-quality image. For more details, see the references, or just experiment
with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive
compression processes. Provision is made for supporting all variants of these
processes, although some uncommon parameter settings aren't implemented yet.
For legal reasons, we are not distributing code for the arithmetic-coding
variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting
the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files,
plus two sample applications "cjpeg" and "djpeg", which use the library to
perform conversion between JPEG and some other popular image file formats.
The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included
considerable functionality beyond the bare JPEG coding/decoding capability;
for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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The Unix configuration script "configure" was produced with GNU Autoconf.
It is copyright by the Free Software Foundation but is freely distributable.
The same holds for its supporting scripts (config.guess, config.sub,
ltconfig, ltmain.sh). Another support script, install-sh, is copyright
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It appears that the arithmetic coding option of the JPEG spec is covered by
patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot
legally be used without obtaining one or more licenses. For this reason,
support for arithmetic coding has been removed from the free JPEG software.
(Since arithmetic coding provides only a marginal gain over the unpatented
Huffman mode, it is unlikely that very many implementations will support it.)
So far as we are aware, there are no patent restrictions on the remaining
code.

The IJG distribution formerly included code to read and write GIF files.
To avoid entanglement with the Unisys LZW patent, GIF reading support has
been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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REFERENCES
==========

We highly recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at ftp://ftp.uu.net/graphics/jpeg/wallace.ps.gz. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...


The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead;
it's much cheaper and includes a great deal of useful explanatory material.)
In the USA, copies of the standard may be ordered from ANSI Sales at (212)
642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI
doesn't take credit card orders, but Global does.) It's not cheap: as of
1992, ANSI was charging $95 for Part 1 and $47 for Part 2, plus 7%
shipping/handling. The standard is divided into two parts, Part 1 being the
actual specification, while Part 2 covers compliance testing methods. Part 1
is titled "Digital Compression and Coding of Continuous-tone Still Images,
Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS
10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of
Continuous-tone Still Images, Part 2: Compliance testing" and has document

Some extensions to the original JPEG standard are defined in JPEG Part 3,
a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG
currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file
format. For the omitted details we follow the "JFIF" conventions, revision
1.02. A copy of the JFIF spec is available from:
Literature Department
C-Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035
phone (408) 944-6300, fax (408) 944-6314
A PostScript version of this document is available by FTP at
ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text
version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing
the figures.

The TIFF 6.0 file format specification can be obtained by FTP from
found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems.
IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6).
Instead, we recommend the JPEG design proposed by TIFF Technical Note #2
(Compression tag 7). Copies of this Note can be obtained from ftp.sgi.com or
from ftp://ftp.uu.net/graphics/jpeg/. It is expected that the next revision
of the TIFF spec will replace the 6.0 JPEG design with the Note's design.
Although IJG's own code does not support TIFF/JPEG, the free libtiff library
uses our library to implement TIFF/JPEG per the Note. libtiff is available

ARCHIVE LOCATIONS

The "official" archive site for this software is ftp.uu.net (Internet
address 192.48.96.9). The most recent released version can always be found
there in directory graphics/jpeg. This particular version will be archived as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't have direct Internet access, UUNET's archives are also available via UUCP; contact help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only ftp.uu.net is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics.misc, news.answers, and other groups. It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/ and other news.answers archive sites, including the official news.answers archive at rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/.

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send usenet/news.answers/jpeg-faq/part1
send usenet/news.answers/jpeg-faq/part2

RELATED SOFTWARE
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Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/.

Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford, is available from ftp://havefun.stanford.edu/pub/jpeg/. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it
is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

FILE FORMAT WARS
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Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!

TO DO
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The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without sacrificing compatibility.
In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

1.318 commons-beanutils 1.8.3

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1.320 netty-resolver 4.1.32

1.321 perl 5.16.3-294.el7_6

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<signature of Ty Coon>, 1 April 1989
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The End
From f5488561bdaab57380bf07c8e66778503a41aca3 Mon Sep 17 00:00:00 2001
From: Father Chrysostomos <sprout@cpan.org>
Date: Sun, 23 Sep 2012 12:42:15 -0700
Subject: [PATCH] =?UTF-8?q?Don=E2=80=99t=20leak=20if=20hh=20copying=20dies?==
MIME-Version: 1.0
Content-Type: text/plain; charset=UTF-8
Content-Transfer-Encoding: 8bit

When %^H is copied on entering a new scope, if it happens to have been tied it can die. This was resulting in leaks, because no protections were added to handle that case.
The two things that were leaking were the new hash in `hv_copyHints_hv` and the new value (for an element) in `newSVsv`.

By fixing `newSVsv` itself, this also fixes any potential leaks when other pieces of code call `newSVsv` on explosive values.

Petr Pisar: Ported to 5.16.3
---
hv.c | 6 ++++++
sv.c | 7 ++++-
t/op/svleak.t | 22 ++++++++++++++++++++++++++++++++++
3 files changed, 31 insertions(+), 4 deletions(-)

```
diff --git a/hv.c b/hv.c
index 3c35341..29d6352 100644
--- a/hv.c
+++ b/hv.c
@@ -1440,6 +1440,9 @@ Perl_hv_copyHints_hv(pTHX_ HV *const ohv)
   const I32 riter = HvRITER_get(ohv);
   HE * const eiter = HvEITER_get(ohv);
   +ENTER;
   +SAVEFREESV(hv);
   +
   while (hv_max && hv_max + 1 >= hv_fill * 2)
   hv_max = hv_max / 2;
HVMAX(hv) = hv_max;
@@ -1461,6 +1464,9 @@ Perl_hv_copyHints_hv(pTHX_ HV *const ohv)
   }
   HvRITER_set(ohv, riter);
   HvEITER_set(ohv, eiter);
+   +SvREFCNT_inc_simple_void_NN(hv);
+   +LEAVE;
   }
   hv_magic(hv, NULL, PERL_MAGIC_hints);
   return hv;
diff --git a/sv.c b/sv.c
index a43feac..597d71b 100644
--- a/sv.c
+++ b/sv.c
@@ -8764,11 +8764,12 @@ Perl_newSVsv(pTHX_ register SV *const old)
   Perl_ck_warner_d(aTHX_ packWARN(WARN_INTERNAL), "semi-panic: attempt to dup freed string");
   return NULL;
   }
+   /* Do this here, otherwise we leak the new SV if this croaks. */
+   +SvGETMAGIC(old);
   new_SV(sv);
```
- /* SV_GMAGIC is the default for sv_setv() 
- SV_NOSTEAL prevents TEMP buffers being, well, stolen, and saves games 
+ /* SV_NOSTEAL prevents TEMP buffers being, well, stolen, and saves games 
  with SvTEMP_off and SvTEMP_on round a call to sv_setsv. */ 
- sv_setsv_flags(sv, old, SV_GMAGIC | SV_NOSTEAL); 
+ sv_setsv_flags(sv, old, SV_NOSTEAL); 
  return sv; 
} 

diff --git a/t/op/svleak.t b/t/op/svleak.t 
index 2f09af3..011c184 100644 
--- a/t/op/svleak.t 
+++ b/t/op/svleak.t 
@@ -13,7 +13,7 @@ BEGIN { 
 or skip_all("XS::APItest not available"); 
 } 

-plan tests => 23; 
+plan tests => 24; 

# run some code N times. If the number of SVs at the end of loop N is 
# greater than (N-1)*delta at the end of loop 1, we've got a leak 
@@ -176,3 +176,23 @@ leak(2, 0, sub { 
    each %$h; 
    undef $h; 
    }, 'tied hash iteration does not leak'); 
+ 
+# [perl #107000] 
+package hhtie { 
+  sub TIEHASH { bless [] } 
+  sub STORE { $_[0][0][$_[1]] = $_[2] } 
+  sub FETCH { die if $explosive; $_[0][0][$_[1]] } 
+  sub FIRSTKEY { keys %$_[0][0]; each %$_[0][0] } 
+  sub NEXTKEY { each %$_[0][0] } 
+} 
+leak(2,!!$Config{mad}, sub { 
+  eval q` 
+  BEGIN { 
+    $hhtie::explosive = 0; 
+    tie %^
+    $^H{foo} = bar; 
+    $hhtie::explosive = 1; 
+  } 
+  +{ 1; } 
+  +`; 
+  }, 'hint-hash copying does not leak'); 
-- 
1.8.1.4
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<one line to give the program's name and a brief idea of what it does.>
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!
---
abstract: 'Build and install Perl modules'
author:
  - 'Ken Williams <kwilliams@cpan.org>'
  - "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>.,"
builtRequires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
  license: http://dev.perl.org/licenses/
  repository: http://github.com/dagolden/module-build/
version: 3
use strict;
use lib 't/lib';
use MBTest;
use DistGen;

plan 'no_plan';

# Ensure any Module::Build modules are loaded from correct directory
blib_load('Module::Build');

#---------------------------------------------------------------#
# Create test distribution
#---------------------------------------------------------------#
{
  my $dist = DistGen->new(
    name => 'Simple::Name',
    version => '0.01',
    license => 'perl'
  );

  $dist->regen;
  $dist->chdir_in;

  my $mb = $dist->new_from_context();
  isa_ok( $mb, "Module::Build" );
  is( $mb->license, 'perl',
      "license 'perl' is valid"
  );

  my $meta = $mb->get_metadata( fatal => 0 );

  is( $meta->{license} => 'perl', "META license will be 'perl'" );
  is( $meta->{resources}{license}, "http://dev.perl.org/licenses/",
      "META license URL is correct"
  );

}

{
  my $dist = DistGen->new(
    name => 'Simple::Name',
    version => '0.01',
    license => 'VaporWare'
  );

  $dist->regen;
  $dist->chdir_in;

  my $mb = $dist->new_from_context();
  isa_ok( $mb, "Module::Build" );
  is( $mb->license, 'VaporWare',
      "license 'VaporWare' is valid"
  );

  my $meta = $mb->get_metadata( fatal => 0 );

  is( $meta->{license} => 'unrestricted', "META license will be 'unrestricted'" );
  is( $meta->{resources}{license}, "http://example.com/vaporware/",
      "META license URL is correct"
  );
}
The "Artistic License"

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

1.322 javax-websocket-api 1.1
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1.323 openjdk-7-jre 11.0.2.7 0.el7_6

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 * This interface represents a permission, such as that used to grant
 * a particular type of access to a resource.
 *
 * @author Satish Dharmaraj
 */

public interface Permission {

    /**
     * Returns true if the object passed matches the permission represented
     * in this interface.
     *
     * @param another the Permission object to compare with.
     *
     * @return true if the Permission objects are equal, false otherwise
     */
    public boolean equals(Object another);

    /**
     * Prints a string representation of this permission.
     *
     * @return the string representation of the permission.
     */
    public String toString();
}

equals(Ljava/lang/Object;)ZtoString()Ljava/lang/String;
SourceFilePermission.javajava/security/acl/Permissionjava/lang/Object

/*
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 */
package java.security;

/**
 * Abstract class for representing access to a system resource.
 * All permissions have a name (whose interpretation depends on the subclass),
 * as well as abstract functions for defining the semantics of the
 * particular Permission subclass.
 *
 * Most Permission objects also include an "actions" list that tells the actions
 * that are permitted for the object. For example,
 * for a <code>java.io.FilePermission</code> object, the permission name is
 * the pathname of a file (or directory), and the actions list
 * (such as "read, write") specifies which actions are granted for the
 * specified file (or for files in the specified directory).
 * The actions list is optional for Permission objects, such as
 * <code>java.lang.RuntimePermission</code>,
 * that don't need such a list; you either have the named permission (such
 * as "system.exit") or you don't.
 *
 * An important method that must be implemented by each subclass is
 * the <code>implies</code> method to compare Permissions. Basically,
 * "permission p1 implies permission p2" means that
 * if one is granted permission p1, one is naturally granted permission p2.
 * Thus, this is not an equality test, but rather more of a
 * subset test.
 *
 * Permission objects are similar to String objects in that they
 * are immutable once they have been created. Subclasses should not
 * provide methods that can change the state of a permission
 * once it has been created.
 *
 * @see Permissions
 * @see PermissionCollection
 *
 *
 * @author Marianne Mueller
 * @author Roland Schemers
 */

public abstract class Permission implements Guard, java.io.Serializable {

    private static final long serialVersionUID = -5636570222231596674L;

}
private String name;

/**
 * Constructs a permission with the specified name.
 * @param name name of the Permission object being created.
 */
public Permission(String name) {
    this.name = name;
}

/**
 * Implements the guard interface for a permission. The
 * <code>SecurityManager.checkPermission</code> method is called,
 * passing this permission object as the permission to check.
 * Returns silently if access is granted. Otherwise, throws
 * a SecurityException.
 * @param object the object being guarded (currently ignored).
 * @throws SecurityException
 *        if a security manager exists and its
 *        <code>checkPermission</code> method doesn't allow access.
 * @see Guard
 * @see GuardedObject
 * @see SecurityManager#checkPermission
 */
public void checkGuard(Object object) throws SecurityException {
    SecurityManager sm = System.getSecurityManager();
    if (sm != null) sm.checkPermission(this);
}

/**
 * Checks if the specified permission's actions are "implied by"
 * this object's actions.
 * @param object the object being guarded (currently ignored).
 * @throws SecurityException
 *        if a security manager exists and its
 *        <code>checkPermission</code> method doesn't allow access.
 * @see Guard
 * @see GuardedObject
 * @see SecurityManager#checkPermission
 */
public void checkGuardedObject(Object object) throws SecurityException {
    SecurityManager sm = System.getSecurityManager();
    if (sm != null) sm.checkPermission(this);
}
public abstract boolean implies(Permission permission);

/**
 * Checks two Permission objects for equality.
 *<p>
 * Do not use the <code>equals</code> method for making access control
 * decisions; use the <code>implies</code> method.
 *<p>
 * @param obj the object we are testing for equality with this object.
 *<p>
 * @return true if both Permission objects are equivalent.
 */

public abstract boolean equals(Object obj);

/**
 * Returns the hash code value for this Permission object.
 *<p>
 * The required <code>hashCode</code> behavior for Permission Objects is
 * the following: <p>
 *<ul>
 * <li>Whenever it is invoked on the same Permission object more than
 * once during an execution of a Java application, the
 * <code>hashCode</code> method
 * must consistently return the same integer. This integer need not
 * remain consistent from one execution of an application to another
 * execution of the same application. <p>
 *<li>If twoPermission objects are equal according to the
 * <code>equals</code> method, then calling the <code>hashCode</code> method on each of the
 * two Permission objects must produce the same integer result.
 *<ul>
 * @return a hash code value for this object.
 */

public abstract int hashCode();

/**
 * Returns the name of this Permission.
 * For example, in the case of a <code>java.io.FilePermission</code>,
 * the name will be a pathname.
* @return the name of this Permission.
 *
 */

public final String getName() {
    return name;
}

/**
 * Returns the actions as a String. This is abstract
 * so subclasses can defer creating a String representation until
 * one is needed. Subclasses should always return actions in what they
 * consider to be their
 * canonical form. For example, two FilePermission objects created via
 * the following:
 *
 * <pre>
 * perm1 = new FilePermission(p1,"read,write");
 * perm2 = new FilePermission(p2,"write,read");
 * </pre>
 *
 * both return
 * "read,write" when the <code>getActions</code> method is invoked.
 *
 * @return the actions of this Permission.
 *
 */

public abstract String getActions();

/**
 * Returns an empty PermissionCollection for a given Permission object, or null if
 * one is not defined. Subclasses of class Permission should
 * override this if they need to store their permissions in a particular
 * PermissionCollection object in order to provide the correct semantics
 * when the <code>PermissionCollection.implies</code> method is called.
 * If null is returned,
 * then the caller of this method is free to store permissions of this
 * type in any PermissionCollection they choose (one that uses a Hashtable,
 * one that uses a Vector, etc).
 *
 * @return a new PermissionCollection object for this type of Permission, or
 * null if one is not defined.
 *
 */

public PermissionCollection newPermissionCollection() {
    return null;
}
$$
* \text{Returns a string describing this Permission. The convention is to}\
* \text{specify the class name, the permission name, and the actions in}\
* \text{the following format: } ("\text{ClassName}" \text{ "name"} \text{ "actions"}), \text{ or}\
* ("\text{ClassName}" \text{ "name"}) \text{ if actions list is null or empty.}\
*$$

@returns information about this Permission.

```java
public String toString() {
    String actions = getActions();
    if ((actions == null) || (actions.length() == 0)) { // OPTIONAL
        return "(" + getClass().getName() + " " + name + ")";
    } else {
        return "(" + getClass().getName() + " " + name + " " + actions + ")";
    }
}
```