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## Source Code

The project maintains the following source code repositories:

* https://github.com/eclipse-ee4j/jaxrs-api

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javaee-api (7.0)

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* Project: http://site.mockito.org
* Source: https://github.com/mockito/mockito/releases/tag/v2.16.0

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1.9 log4j-api 2.11.2

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* https://github.com/eclipse-ee4j/jaxb-ri
* https://github.com/eclipse-ee4j/jaxb-istack-commons
* https://github.com/eclipse-ee4j/jaxb-std-parser
* https://github.com/eclipse-ee4j/jaxb-fi
* https://github.com/eclipse-ee4j/jaxb-stax-ex
* https://github.com/eclipse-ee4j/jax-rpc-ri

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args4j (2.33)
* License: MIT License

dom4j (1.6.1)

* License: Custom license based on Apache 1.1

file-management (3.0.0)

* License: Apache-2.0
* Project: https://maven.apache.org/shared/file-management/
* Source:
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* Source: https://mvnrepository.com/artifact/org.apache.maven/maven-core/3.5.2

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

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  * Project: https://maven.apache.org/resolver/maven-resolver-transport-file/
  * Source: https://github.com/apache/maven-resolver/tree/master/maven-resolver-transport-file

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  * Source: https://github.com/codehaus-plexus/plexus-archiver

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1.24 spring-framework 4.3.7
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1.26 asm-tree 5.0.4

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package org.apache.xerces.impl.xs.traverses;

import org.apache.xerces.impl.XMLEntityManager;
import org.apache.xerces.impl.XMLDTDReader;
import org.apache.xerces.impl.XMLResourceInvalid;
import org.apache.xerces.util.XMLCharParser;
import org.apache.xerces.util.XMLResourceProperties;
import org.apache.xerces.xs.XSResourceSet;
import org.apache.xerces.xs.XSSchema;
import org.apache.xerces.xs.XSSchemaDocument;
import org.apache.xerces.xs.XSSchemaDocumentFactory;
import org.apache.xerces.xs.XSSchemaFactory;
import org.apache.xerces.xs.XSSchemaImpl;
import org.apache.xerces.xs.XSValidator;
import org.apache.xerces.xs.XSValidatorImpl;
import org.apache.xerces.xs.XSValidatorRegistrar;
import org.apache.xerces.xs.XSValidatorStatus;
import org.apache.xerces.xs.traverses.XSXMLEntityReader;

public class XMLValidatorTraverse implements XMLValidator, 
        XMLValidatorStatus, 
        XMLValidatorRegistrar 
{ 
    private final XSSchemaImpl schema;
    private final XSSchemaDocument doc;
    private final XSSchemaDocumentFactory factory;
    private final XMLResourceProperties props;
    private final XMLDTDReader reader;
    private final XMLEntityManager manager;
    private final XMLCharParser parser;
    private final XSValidator validator;
    private final XSSchemaReader schemaReader;

    public XMLValidatorTraverse () 
    { 
        schema = new XSSchemaImpl();
        doc = new XSSchemaDocument();
        factory = new XSSchemaDocumentFactory();
        props = new XMLResourceProperties();
        reader = new XMLDTDReader();
        manager = new XMLEntityManager();
        parser = new XMLCharParser();
        validator = new XSValidatorImpl();
        schemaReader = new XSSchemaReader();
    }

    public void validate() 
    { 
        // Validation code here
    }

    // Other methods...

    public static void main(String[] args) 
    { 
        XMLValidatorTraverse validator = new XMLValidatorTraverse();
        validator.validate();
    }
}
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Whether this is true is especially significant if the work can be
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If such an object file uses only numerical parameters, data
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will operate properly with a modified version of the library, if
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 */
package org.apache.shiro.authz.permission;

import java.io.Serializable;
import org.apache.shiro.authz.Permission;

/**<p>You should be very careful about the users, roles, and/or groups to which this permission is assigned since</p>
*<p>those respective entities will have the ability to do anything. As such, an instance of this class</p>
*<p>is typically only assigned only to "root" or "administrator" users or roles.</p>
*<p></p>
*<p>@since 0.1</p>
*/
public class AllPermission implements Permission, Serializable {

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

package org.apache.shiro.authz;

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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.
 * <p/>
 * 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.
 * <p/>
 * Most typical systems are what the Shiro team calls <em>role-based</em> in nature, where a role represents
 * common behavior for certain user types. For example, a system might have an <em>Administrator</em> role, a
 * <em>User</em> or <em>Guest</em> roles, etc.
 * <p/>
 * 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 aren't very useful. What matters is what
 * <em>permissions</em> are assigned to these roles.
 * <p/>
 * 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 [org.apache.shiro.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
* [org.apache.shiro.authz.permission.WildcardPermission WildcardPermission]. We highly recommend that you
* investigate this class before trying to implement your own Permission<s>Permission</s>s.
* *
* @see org.apache.shiro.authz.permission.WildcardPermission WildcardPermission
* @since 0.2
*/

public interface Permission {

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

import org.apache.shiro.authz.Permission;

/**
 * <tt>PermissionResolver</tt> implementation that returns a new <tt>WildcardPermission</tt>
 * based on the input string.
 *
 * @since 0.9
 */
public class WildcardPermissionResolver implements PermissionResolver {

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

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*/

package org.apache.shiro.authz.permission;

import org.apache.shiro.authz.Permission;

/**
 * A[{code PermissionResolver}] resolves a String value and converts it into a
 * [{link org.apache.shiro.authz.Permission Permission}] instance.
 */

/**
 * The default [{link WildcardPermissionResolver WildcardPermission}] should be
 * suitable for most purposes, which constructs [{link WildcardPermission WildcardPermission}] objects.
 * However, any resolver may be configured if an application wishes to use different
 * [{link org.apache.shiro.authz.Permission Permission}] implementations.
 */

/**
 * 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.
 */

/**
 * 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.
 */

/**
 * 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 RolePermissionResolver that
 * might already exist instead of potentially creating one itself.
 * 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 {

**
* Sets the specified <tt>RolePermissionResolver</tt> on this instance.
*
* @param rpr the <tt>RolePermissionResolver</tt> being set.
*/
public void setRolePermissionResolver(RolePermissionResolver rpr);
}
*/

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*/
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} my 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.
 */
<h3>Simple Usage</h3>
<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>
<p>
<code>subject.isPermitted(&quot;editNewsletter&quot;)</code>
</p>
<p>
This is (mostly) equivalent to
</p>
<p>
<code>subject.isPermitted(new WildcardPermission(&quot;editNewsletter&quot;))</code>
</p>
The simple permission string may work for simple applications, but it requires you to have permissions like
`"viewNewsletter"`, `"deleteNewsletter"`, `"createNewsletter"`, etc. You can also grant a user `"*"` permissions
using the wildcard character (giving this class its name), which means they have *all* permissions. But
using this approach there's no way to just say a user has *all newsletter permissions*.

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

`WildcardPermission` also supports the concept of multiple *levels*. For example, you could
restructure the previous simple example by granting a user the permission
`"newsletter:edit"`.

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 *domain* that is being operated on
and the second token is the *action* 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>view</code>`, `<code>edit</code>`, and `<code>create</code>` actions in the
`newsletter` *domain*. Then you could check to see if the user has the
`"newsletter:create"` permission by calling
`subject.isPermitted("newsletter:create")` 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>` domain, you could simply give
them `<code>&quot;newsletter:*"</code>` permissions. Now, any permission check for
`newsletter:XXX` 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:*"</code>` action across all domains.

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 *domain*, the second is the *action*, and
the third is the *instance* you are acting on.
* So for example you could grant a user "newsletter:edit:12,13,18". 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 "newsletter:*:13" (grant a user all actions for newsletter
* "code>13</code>), "newsletter:view,create,edit:*" (allow the user to
* "code>view</code>, "create</code>, or "edit</code> <em>any</em> newsletter), or
* "newsletter:*:*" (allow the user to perform <em>any</em> action on <em>any</em> newsletter).
* 
* To perform checks against these instance-level permissions, the application should include the instance ID in the
* permission check like so:
* 
* "code>subject.isPermitted( &quot;newsletter:edit:13&quot; );</code>
* 
* 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
*/

public 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<Set<String>> 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.
     * <p>
* 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
* permission usage, consider subclassing the [@link DomainPermission DomainPermission] class for your
* needs.
* /
protected WildcardPermission() {
}

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

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

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

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;
}

/*--------------------------------------------
| ACCESSORS / MODIFYERS |
============================================*/
protected List<Set<String>> getParts() {
    return this.parts;
}

/*--------------------------------------------
| METHODS                                  |
============================================*/

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();
}

}"
package org.apache.shiro.authz.permission;

/**
 * Interface implemented by a component that wishes to use any application-configured permission resolver that
 * might already exist instead of potentially creating one itself.
 *
 * 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
 * permission instances.
 *
 * @since 0.9
 */

public interface PermissionResolverAware {

    /**
     * Sets the specified permission resolver on this instance.
     *
     * @param pr the permission resolver being set.
     */
    public void setPermissionResolver(PermissionResolver pr);
}
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1.38 hibernate 5.3.10

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1.39 ojdbc 11.2.0

1.40 xml-apis 1.3.04

1.40.1 Available under license:

xml-commons/java/external/README.dom.txt $Id: README.dom.txt 477038 2006-11-20 04:40:36Z mrglavas $

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The actual classes of The Simple API for CSS (SAC) came from:
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Joseph Reagle <site-policy@w3.org>

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


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**1.53 amqp-client 5.6.0**

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//

// This software, the RabbitMQ Java client library, is triple-licensed under the
* @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(":");
    }
    if (lastClosingSquareBracket < lastColon) {
        // there is a port
        return addressString.substring(lastColon + 1).contains(":");
    }
    return false;
}
/**
* Factory method: takes a formatted addressString string as construction parameter
* @param addressString an addressString of the form "host[:port]".
* @return a list of [link Address] values
*/
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;
    final Address addr = (Address)obj;
    return _host.equals(addr._host) && _port == addr._port;
}

@override public String toString() {
    return _port == -1 ? _host : _host + ":" + _port;
}
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>();

    /**
     * When this value is null, the component is in "open"
     * state. When non-null, the component is in "closed" state, and
     * this value indicates the circumstances of the shutdown.
     */
    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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Version 1.1

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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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1.59 jts-core 1.15.0
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1.60 libjpeg 1.2.90 8.el7

1.60.1 Notifications:
This software is based in part on the work of the Independent JPEG Group.

1.60.2 Available under license:
The Independent JPEG Group’s JPEG software

README for release 6b of 27-Mar-1998

This distribution contains the sixth public release of the Independent JPEG Group’s free JPEG software. You are welcome to redistribute this software and to use it for any purpose, subject to the conditions under LEGAL ISSUES, below.

Serious users of this software (particularly those incorporating it into larger programs) should contact IJG at jpeg-info@uunet.uu.net to be added to our electronic mailing list. Mailing list members are notified of updates and have a chance to participate in technical discussions, etc.

This software is the work of Tom Lane, Philip Gladstone, Jim Boucher, Lee Crocker, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi,
Guido Vollbeding, Ge' Weijers, and other members of the Independent JPEG Group.

IJG is not affiliated with the official ISO JPEG standards committee.

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,
rdjpgcom, and wrjpgcom.
*.1 Unix-style 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, ltcfg, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

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
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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
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 best full description of JPEG is the textbook "JPEG Still Image Data
Compression Standard" by William B. Pennebaker and Joan L. Mitchell, published
The book includes the complete text of the ISO JPEG standards (DIS 10918-1
and draft DIS 10918-2). This is by far the most complete exposition of JPEG
in existence, and we highly recommend it.

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.
The TIFF 6.0 file format specification can be obtained by FTP from ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz. The JPEG incorporation scheme 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 from ftp://ftp.sgi.com/graphics/tiff/.

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/.

If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body
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.)

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.

1.61 trilead-ssh 1.0.0-build220

1.62 giflib 4.1.6 9.el7

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1.63 libev 4.15 7.el7
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So, if you want, you may use any 2.N.* (N >= 3) version string for future xinetd versions that you release. Note that I am excluding the 2.2.* line; using that would only create confusion. Naming the next release 2.3.0 would put to rest the confusion about 2.2.1 and 2.1.8.*.

1.65 elastic-search 6.8.1 1
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*/
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/** Tagging interface to indicate the library or callback uses an alternate calling convention. */
@Author twall
public interface AltCallingConvention {}
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StackMapTableJ
ExceptionsKimplies(Ljava/security/Permission;)Zequals(Ljava/lang/Object;)ZhashCode()IgetName()Ljava/lang/String;
getActionsnewPermissionCollection&()Ljava/security/PermissionCollection;toStringL
SourceFilePermission.javaMNOPJQR-,LS*java/lang/StringBuilder("TUVWX+,
Permission(Ljava/security/Permission;)Vlengthappend-
(Ljava/lang/String;)Ljava/lang/StringBuilder;getClass()Ljava/lang/Class;java/lang/Class!
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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
 */
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();
}

3
equals(Ljava/lang/Object;)ZtoString()Ljava/lang/String;
SourceFilePermission.java;java/security/acl/Permission.java;java/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.
 *
 * <p>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.
 *
 * <p>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.
 *
 * <p>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</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.
     * <p>
     * This must be implemented by subclasses of Permission, as they are the
     * only ones that can impose semantics on a Permission object.
     */
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.
 * 
 * @param obj the object we are testing for equality with this object.
 * 
 * @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 two Permission 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;
}

/**
 * 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 + ")";
    }
}

1.83 nspr 4.21.0 1.el7
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-- activemq-web

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-- activemq-web
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-- activemq-web

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--activemq-web-console

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1.102 snake-yaml 1.17
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1.103 cglb 3.2.0

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

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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 Module-Build mailing list at <module-build@perl.org>.

buildRequires:
  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
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The End
use strict;
use lib '../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"
  );
}


```perl
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" );

# Test with alpha number
# vim:ts=2:sw=2:et:sta:sts=2
This module is free software; you can redistribute it and/or modify it under the same terms as Perl itself.
From f5488561bdaab57380bf07e8e66778503a41aca3 Mon Sep 17 00:00:00 2001
From: Father Chrysostomos <sprout@cpan.org>
Date: Sun, 23 Sep 2012 12:42:15 -0700
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.
```
OPEN SOURCE USED IN CISCO CROSSWORK SITUATION MANAGER 7.3

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_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');
+
+  plan tests => 24;
+
+package hhtie {
+    sub TIEHASH { bless [] }
+    sub STORE    { $_[0][0]{$_[1]} = $_[2] }  # [perl #107000]
+    sub FETCH    { die if $explosive; $_[0][0]{$_[1]} }
+    sub FIRSTKEY { keys %$_[0][0]; each %$_[0][0] }  
+    sub NEXTKEY  { each %$_[0][] }   
+  }
+leak(2,!!$Config{mad}, sub {
+    eval q`
+    BEGIN {
+        $hhtie::explosive = 0;
+        tie %$H, hhtie;
+        $H{foo} = bar;
+        $hhtie::explosive = 1;
+        }
+    };
+  }, 'hint-hash copying does not leak');
--
1.8.1.4

1.108 libxcb 1.13 1.el7
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*  

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1.119 perl-dbd-mysql 4.023 6.el7

1.120 jersey-client 2.28
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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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<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 <code>Replaceable</code> API is that during a replace operation, new characters take on the metadata of the old characters. For example, if the string "the <b>bold</b> font" has range (4, 8) replaced with "strong", then it becomes "the <b>strong</b> font".

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

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

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

<ol>
  <li>Set the metadata of the new text to the metadata of the first character replaced</li>
</ol>
<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

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

<p><em>Note:</em> This class does not support attributes and is not intended for general use. Most clients will need to implement <a>@link Replaceable</a> in their text representation class.</p>

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@see Replaceable
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@stable ICU 2.0

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 */

package java.security;

import java.io.Serializable;

/**
 * Legacy security code; do not use.
 */
public abstract class Permission implements Guard, Serializable {
    public Permission(String name) {
    }

    public final String getName() {
        return null;
    }
}
public void checkGuard(Object obj) throws SecurityException {}

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

public abstract String getActions();

public abstract boolean implies(Permission permission);

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1.145 hibernate-validator-annotation-processor 6.0.16

1.146 asm-debug-all 5.1
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machine-readable copy of the corresponding source code, to be
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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
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Version 2.1, February 1999

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be
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In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation
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2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square...
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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

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Library, but is designed to work with the Library by being compiled or
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However, linking a "work that uses the Library" with the Library
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Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
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derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

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

6. As an exception to the Sections above, you may also combine or
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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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<one line to give the program's name and a brief idea of what it does.>
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Also add information on how to contact you by electronic and paper mail.
If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

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

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The End
#1perl

=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) = $copyright_msg =~ /.*\b(\d{4,})/s
    or die "Year not found in README copyright message '$copyright_msg'";
$year;
}

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

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The End

---

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>.'
buildRequires:
  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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Version 1, February 1989

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- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
1.157 zlib 1.2.8

1.157.1 Available under license :
/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

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1.158 jgrapht-core 0.9.1

1.159 tomcat-i18n-fr 9.0.22

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#
# Don't put empty lines into this file!
#
.gitignore
#
built/unix/pkg.m4
#
docs/FTL.TXT
docs/GPLv2.TXT
#
include/freetype/internal/fthash.h
#
src/base/fthash.c
tsbcbase/mds.h
tsrc/base/md5.c
tsbcbase/md5.h
#
tsrc/bdf/bdf.c
tsrc/bdf/bdf.h
tsbc/bdf/bdfdrivr.c
stsbc/bdf/bdfdrivr.h
src/bdf/bdferror.h
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src/bdf/module.mk
src/bdf/README
src/bdf/rules.mk
#
tsrc/pcf/module.mk
src/pcf/pcf.c
src/pcf/pcf.h
src/pcf/pcfdrivr.c
src/pcf/pcfdrivr.h
src/pcf/pcferror.h
src/pcf/pcfread.c
src/pcf/pcfread.h
src/pcf/pcfutil.c
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**1.163 perl-pod-usage 1.63 3.el7**
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1.165 jts 1.15.0

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- `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/es/SpanishMinimalStemmer.java`
- `analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java`
- `analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishMinimalStemmer.java`
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bzip2/libbzip2 version 1.0.6 of 6 September 2010

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Spring Boot CLI

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1.173 kryo-parent 4.0.2

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JUnit

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1.181 jsr305 3.0.2

1.182 tomcat-i18n-es 9.0.22

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1.184 boost 1.65.1

1.185 open-ssl 1.0.2k 19.el7

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    analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
    analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
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    analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
    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
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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!

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The End
From f5488561bdaab57380bf07e8e66778503a41aca3 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)
    HvRITER_set(ohv, riter);
    HvEITER_set(ohv, eiter);
    +SvREFCNT_inc_simple_void_NN(hv);
    +LEAVE;
    }
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)
    /* SV_NOSTEAL prevents TEMP buffers being, well, stolen, and saves games
    +/* SV_GMAGIC is the default for sv_setv()
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, hhtie;
+        $^H{foo} = bar;
+        $hhtie::explosive = 1;
+    }
+    { 1; }
+    `;
+}, 'hint-hash copying does not leak');
--
1.8.1.4
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modify it under the same terms as Perl itself.

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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>.'"
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
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" );

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

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That's all there is to it!

<?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 id;
    }
}
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;
}

} /*
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 */

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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;

private String serial_number;

private String serial_number;
protected DriversLicense() {
}

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

public String getSerialNumber() {
    return serial_number;
}
}

1.217 javax-el 3.0.0
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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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1.247 velocity 1.7

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The End

1.250 jersey-server 2.28

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See \url{http://members.unine.ch/jacques.savoy/clef/index.html}.

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*/
-->

<project xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://maven.apache.org/POM/4.0.0"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4_0_0.xsd">

<modelVersion>4.0.0</modelVersion>
<groupId>org.mariadb.jdbc</groupId>
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<name>mariadb-java-client</name>
<version>2.4.0</version>
<description>JDBC driver for MariaDB and MySQL</description>

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  <jna.version>4.5.1</jna.version>
  <version.template.file>src/main/resources/Version.java.template</version.template.file>
  <version.file>src/main/java/org/mariadb/jdbc/internal/util/constant/Version.java</version.file>
  <checkstyleVersion>8.12</checkstyleVersion>
  <checkstyle.plugin.version>2.17</checkstyle.plugin.version>
</properties>
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  <artifactId>checkstyle</artifactId>
  <version>${checkstyleVersion}</version>
</dependency>
</dependencies>
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    <id>process-test-resources</id>
    <phase>prepare-package</phase>
    <configuration>
      <includeTestSourceDirectory>true</includeTestSourceDirectory>
      <excludes>
        **/SharedMemorySocket.java,
        **/UnixDomainSocket.java,
        **/MySQLDataSource.java,
        **/*org/mariadb/jdbc/internal/com/send/authentication/ed25519/**
      </excludes>
      <configLocation>src/test/resources/style.xml</configLocation>
      <encoding>UTF-8</encoding>
      <consoleOutput>true</consoleOutput>
      <failsOnError>true</failsOnError>
    </configuration>
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  <artifactId>replacer</artifactId>
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  <executions>
    <execution>
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  <configuration>
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    <outputFile>${version.file}</outputFile>
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  </configuration>
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  <artifactId>exec-maven-plugin</artifactId>
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</plugin>
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  <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>

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  <artifactId>maven-jar-plugin</artifactId>
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  <configuration>
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      <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, javax.management, javax.net;resolution:=optional, javax.net.ssl;resolution:=optional, javax.sql, javax.transaction.xa;resolution:=optional, org.slf4j;resolution:=optional
        </Import-Package>
      </manifestEntries>
    </archive>
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</plugin>

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  </dependency>
  <dependency>
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  </dependency>
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    <artifactId>slf4j-api</artifactId>
    <version>[1.4.0.1.7.25]</version>
    <optional>true</optional>
  </dependency>
</dependencies>
1.264 libxslt 1.1.28 5.el7

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Woodstox is an XML-parser that allows parsing of XML documents in so-called pull mode (aka "pull parsing"). It specifically implements StAX 1.0 API:


which defines what is closest to being the J2xE standard for XML pull parsers.

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

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David Megginson, david@megginson.com
2000-05-05

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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.

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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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jackson-jq
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package org.apache.solr.security;

import java.util.Collection;
import java.util.Collections;
import java.util.HashSet;
import java.util.LinkedHashMap;
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
        disAllowed.remove(NAME); // 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:"))
                    .map(Pattern::compile)
                    .collect(Collectors.toList());
                p.params.put(e.getKey(), val -> {
                    if (val == null) return false;
                    for (Object pattern : patterns) {
                        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;
    }
    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("*"verständlich):
        }
        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 is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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It is currently developed by a community of developers, as well as supported
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The initial code for shuffling an array (originally in class
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1.278 perl-file-temp 0.23.01 3.el7

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1.280 gcc 4.8.5 39.el7

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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 ("\t.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 ("\t.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 ("\t.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), "%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'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)
    sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* 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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@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:

@c man end
libffi - Copyright (c) 1996-2012 Anthony Green, Red Hat, Inc and others.
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SOFTWARE.

#!/usr/bin/python
#
# Copyright (C) 2013 Free Software Foundation, Inc.
#
# This script is free software; you can redistribute it and/or modify
# it under the terms of the GNU General Public License as published by
# the Free Software Foundation; either version 3, or (at your option)
# any later version.
#
# This script adjusts the copyright notices at the top of source files
# so that they have the form:
#
# Copyright XXXX-YYYY Free Software Foundation, Inc.
#
# 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.

Pass --this-year to the script if you want it to add the current year to all applicable notices. Pass --quilt if you are using quilt and want files to be added to the quilt before being changed.

By default the script will update all directories for which the output has been vetted. You can instead pass the names of individual directories, including those that haven't been approved. So:

update-copyright.pl --this-year

is the command that would be used at the beginning of a year to update all copyright notices (and possibly at other times to check whether new files have been added with old years). On the other hand:

update-copyright.pl --this-year libjava

would run the script on just libjava/.

Note that things like --version output strings must be updated before this script is run. There's already a separate procedure for that.

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 + '
')
        self.num_errors += 1

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

class GenericFilter:
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',
    'ltoptions.m4',
    'ltsoptions.m4',
    'lt两只脚.m4',
    'ltversion.m4',
    'lt~obsolete.m4',
    'missing',
    'mkdep',
    'mkinstalldirs',
    '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')
    return None

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
    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]*[0-9]'

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

        # Matches one year.
        self.year_re = re.compile('[' + ranges + '+]')

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

        # Matches a full copyright notice:
        self.copyright_re = re.compile (
            # 1: 'Copyright (C)', etc.
            '(\[Cc\]opyright'
            '[Cc]opyright\s+\[Cc\])'  
            '[Cc]opyright\s+%s'
            '[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 + '\s+)?
        '\s*?(' + ranges + '\s+)?
        '\s*?(' + ranges + '\s+)?
        '\s*?(' + ranges + '\s+)?
        '\s*?(' + ranges + '\s+)?

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

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

        # 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.
        self.other_copyright_re = re.compile('copyright.*[0-9][0-9]', re.IGNORECASE)

        self.comment_re = re.compile('#+|[*]+|;+|%+|//+|@c dnl ')
# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# 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() + '
'
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
' % 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',
                self.o_this_year)

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:\n
    %s\n
    for (what, help) in self.option_help:
        sys.stdout.write (format % (what, help))
    sys.stdout.write ('\nDirectories:\n
    format = '"
    i = 0
    for (dir, filter) in self.dirs:
        i += 1
        if i % 3 == 0 or i == len (self.dirs):
            sys.stdout.write (dir + '\n'
        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():

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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'):
            with open(os.path.join(dir, filename)) 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-68881.i',
                                'math-68881.s',
                                'math-68881.S',
                                'math-68881.c',
                                'math-68881.h'])

        self.skip_dirs |= set(['ada',
                               'ada-68881',
                               'ada-68881.i',
                               'ada-68881.s',
                               'ada-68881.C',
                               'ada-68881.H'])

        self.copyright.process_tree('.' , None)
# Handled separately.
'testsuite',
])

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

    # Automatically-generated.
    '.pot',
])

self.fossilised_files |= set([
    # Old news won't be updated.
    'ONEWS',
])

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

        self.skip_extensions |= set([
            # Don't change the tests, which could be owned 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([
            # g++.niklas/README contains historical copyright information
            # and isn't updated.
            '.c',
            '.C',
            '.cc',
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.inc',
            '.java',
        ])

        # Don't change the tests, which could be owned by anyone.
        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',
                'contrib',
                '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."
        self.add_external_author ('Cavium Networks.')
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('libdecnumber')
        # libffi is imported from upstream.
        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_external_author('Faraday Technology Corp.')
        self.add_external_author('Florida State University')
        self.add_external_author('Greg Colvin and Beman Dawes.')
        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,')
        self.add_external_author('National Research Council of Canada.')
        self.add_external_author('Peter Dimov and Multi Media Ltd.')
        self.add_external_author('Peter Dimov')
        self.add_external_author('Pipeline Associates, Inc.')
        self.add_external_author(' Regents of the University of California.')
        self.add_external_author('Silicon Graphics Computer Systems, Inc.')
        self.add_external_author('Stephen L. Moshier')
        self.add_external_author('Sun Microsystems, Inc. All rights reserved.')
        self.add_external_author('The Go Authors. All rights reserved.')
        self.add_external_author('Unicode, Inc.')
        self.add_external_author('University of Toronto.')
self.add_dir (os.path.join ('libjava', 'testsuite'), TestsuiteFilter())
self.add_dir ('libmudflap', LibMudflapFilter())
self.add_dir (os.path.join ('libmudflap', 'testsuite'), TestsuiteFilter())
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',
    'libgcc',
    'libgfortran',
    'libgomp',
    'libitm',
    'libmudflap',
    'libobjc',
    'libstdc++-v3',
]

GCCCmdLine().main()

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/**
* 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
*
* @author Aaron M. Renn (arenn@urbanophile.com)
*/

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();
}

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Version 3.1, 31 March 2009

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6b.

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/* Permission.java -- The superclass for all permission objects

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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.

* <p><code>Permission</code>'s 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);

/**
 * Check to see if this object equals obj. Use <code>implies</code>, rather
 * than <code>equals</code>, when making access control decisions.
 *
 * @param obj the object to compare to
 */
public abstract boolean equals(Object obj);

/**
 * This method returns a hash code for this <code>Permission</code>. It
 * must satisfy the contract of <code>Object.hashCode</code>: it must be
 * the same for all objects that equals considers to be the same.
 *
 * @return a hash value
 */
public abstract int hashCode();

/**
 * Get the name of this <code>Permission</code>.
 *
 * @return the name
 */
public final String getName()
{
    return name;
}
/**
 * This method returns the list of actions for this <code>Permission</code>
 * as a <code>String</code>. The string should be in canonical order, for
 * example, both <code>new FilePermission(f, "write,read")</code> and
 * <code>new FilePermission(f, "read,write")</code> have the action list
 * "read,write".
 * 
 * @return the action list for this <code>Permission</code>
 * 
 * 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 = string.append('(');
 * string = string.append(getClass().getName());
 * string = string.append(' ');
 * string = string.append(getName());
 * if (!(getActions().equals("")))
 * {
 * string = string.append(' ');
 * string = string.append(getActions());
 * }
 * }

string = 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@mi.tia.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@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.dec.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 Detlefs (detlefs@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. David Chase, then at Olivetti Research, suggested several improvements. 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.)

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</appendix>

/* gnu.classpath.tools.taglets.CopyrightTaglet
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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>");
            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>");
            return result.toString();
        } else {
            return null;
        }
    }
}

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

/**
 * Convenience method for obtaining an object from a string.
 *
 * @param permissionString the string representation of a Permission
 * @return the Permission object represented by \{permissionString\}
 */
public static Permission valueOf(String permissionString);

/**
 * The default permission.
 */
public static final Permission ALL_PERMISSIONS = new AllPermission();
public String toString();

} /*
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 * questions.
 * */

/** *
 */

import java.rmi.Remote;
public interface Legal extends Remote {
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import java.util.Calendar;
import java.util.GregorianCalendar;
import java.util.Locale;
import java.util.TimeZone;

class CopyrightHeaders {

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 */
";

private static final String ORACLE_AFTER2012 =
"/*
 * Copyright (c) 2012, %d, Oracle and/or its affiliates. All rights reserved.
 */
";

// Last updated: - 6/06/2016, 1:42:31 PM
private static final String UNICODE =
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 */
";
private static String OPENJDK2012 =
"/\n" +
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" * DO NOT ALTER OR REMOVE COPYRIGHT NOTICES OR THIS FILE HEADER.\n" +
" */
";

private static String OPENJDK_AFTER2012 =
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" * DO NOT ALTER OR REMOVE COPYRIGHT NOTICES OR THIS FILE HEADER.\n" +
" */
";

private static String OPENJDK_After2012 =
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" +
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" * DO NOT ALTER OR REMOVE COPYRIGHT NOTICES OR THIS FILE HEADER.\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() {
}

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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.
*  
*  
* <p>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 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},
* that don't need such a list; you either have the named permission (such
* as "system.exit") or you don't.
*  
* <p>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.
*  
* <p>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
* @since 1.2
*/

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.
 * <P>
 * This must be implemented by subclasses of Permission, as they are the
 * 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.
 * @param permission the permission to check against.
 * @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.
  *
  * @param obj the object we are testing for equality with this object.
  *
  * @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>
  *
  * @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 FilePermission,
  * the name will be a pathname.
  *
  * @return the name of this Permission.
  *
  */

public final String getName() {
    return name;
}
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} 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=1

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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
dialog.bold.japanese-x0208=Sazanami Gothic
dialog.bold.korean=Baekmuk Gulim
dialog.bold.chinese-big5=AR PL ShanHeiSun Uni
dialog.bold.chinese-gb18030=AR PL ShanHeiSun Uni

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

dialog.bolditalic.latin-1=DejaVu LGC Sans Bold Oblique
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dialog.bolditalic.korean=Baekmuk Gulim
dialog.bolditalic.chinese-big5=AR PL ShanHeiSun Uni
dialog.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
filename.DejaVu_LGC_Serif_Bold_Oblique=/usr/share/fonts/dejavu-lgc/DejaVuLGCSerif-BoldOblique.ttf
filename.Sazanami_Gothic=/usr/share/fonts/japanese/TrueType/sazanami-gothic.ttf
filename.Sazanami_Mincho=/usr/share/fonts/japanese/TrueType/sazanami-mincho.ttf
filename.AR_PL_ShankaiSun_Uni=/usr/share/fonts/chinese/TrueType/uming.ttf
filename.AR_PL_Zenkai_Uni=/usr/share/fonts/chinese/TrueType/ukai.ttf
filename.Baekmuk_Gulim=/usr/share/fonts/korean/TrueType/gulim.ttf
filename.Baekmuk_Batang=/usr/share/fonts/korean/TrueType/batang.ttf

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## The Unicode Standard, Unicode Character Database, Version 10.0.0

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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();
        border1 = BorderFactory.createLineBorder(Color.black,1);
        contentPane.setLayout(borderLayout1);
        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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"4. This is a printer test designed to illustrate a bug in the java printing API.

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27. This is a printer test designed to illustrate a bug in the java printing API.

 jMenuItem1.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);
}

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) {
        // Implementation
    }
}
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();
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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1.313 netty-codec-http 4.1.32
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