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## 1.4 jul-to-slf4j 1.7.30

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## 1.5 xmlunit-core 2.6.3

## 1.6 log4j-to-slf4j 2.12.1

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Java ClassMate library was originally written by Tatu Saloranta (tatu.saloranta@iki.fi)

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# 1.10 spring-data-commons 2.2.4

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## 1.12 classmate 1.5.1

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Java ClassMate library was originally written by Tatu Saloranta (tatu.saloranta@iki.fi)

Other developers who have contributed code are:

\* Brian Langel

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## 1.13 junit-jupiter 5.5.2

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- web-common\_3\_0.xsd
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- web-common\_3\_1.xsd
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- javaee\_web\_services\_client\_1\_2.xsd
- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
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- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
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- javaee\_5.xsd
- javaee\_web\_services\_1\_2.xsd
- javaee\_web\_services\_client\_1\_2.xsd
- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
- javaee\_web\_services\_client\_1\_3.xsd
- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
- web-fragment\_3\_0.xsd
- javaee\_7.xsd
- javaee\_web\_services\_1\_4.xsd
- javaee\_web\_services\_client\_1\_4.xsd
- jsp\_2\_3.xsd
- web-app\_3\_1.xsd
- web-common\_3\_1.xsd
- web-fragment\_3\_1.xsd
- javaee\_8.xsd
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## 1.22 android-json 0.0.20131108.vaadin1

## 1.23 objenesis 2.6

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## 1.24 spring-security-config 5.2.1

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# 1.25 springfox-bean-validators 2.9.2

# 1.26 spring-plugin-core 1.2.0

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## 1.29 orgjson 0.0.20131108.vaadin1

## 1.30 jboss-logging 3.4.1

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## 1.31 latencyutils 2.0.3

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## 1.32 jakarta-annotation-api 1.3.5

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\* <https://github.com/eclipse-ee4j/common-annotations-api>

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# 1.33 spring-context 5.2.3

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## 1.38 curvesapi 1.06

## 1.39 hamcrest 2.1

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## 1.47 spring-tx 5.2.3

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# 1.48 junit 4.13

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## 1.65 javax-ws-rs-api 2.0

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# 1.70 junit-jupiter-engine 5.5.2

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## 1.91 log4j-api 2.12.1

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`com/itextpdf/text/pdf/codec/TIFFDirectory.java` (first appearance in iText: 2003-04-09)

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`com/itextpdf/text/pdf/codec/TIFFField.java` (first appearance in iText: 2003-04-09)

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Java 1.4: GIF (read only), JPEG, PNG  
Java 1.5: Added support for BMP and WBMP  
Java 1.6: Added support for writing GIF

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## 1.105 json-smart 2.3

## 1.106 springfox-swagger-ui 2.9.2

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## 1.107 springfoxswagger 2.9.2

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strnatcmp.c -- Perform 'natural order' comparisons of strings in C.

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

\* indentation:4  
\*  
\* created on: 2005jan16  
\* created by: Markus W. Scherer  
\*  
\* Low-level Unicode bidi/shaping properties access.  
\* Java port of ubidi\_props.h/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.

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

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

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

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

<ul>

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



- <li>If no characters are replaced, use the metadata of the previous character</li>
- <li>If there is no previous character (i.e. start == 0), use the following character</li>
- <li>If there is no following character (i.e. the replaceable was empty), use default metadata<br>
- <li>If the code point U+FFFF is seen, it should be interpreted as a special marker having no metadata<li>

</li>  
</ul>  
If this is not the behavior, the subclass should document any differences.

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@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 { @link Replaceable} in their text representation class.

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@see Replaceable

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*/
```

```
package java.security;
```

```
import java.io.Serializable;
```

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

```
public void checkGuard(Object obj) throws SecurityException { }
```

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

```
public abstract String getActions();
```

```
public abstract boolean implies(Permission permission);  
}
```

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## 1.116 jaxb-runtime 2.3.2

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## 1.118 httpcomponents-core 4.4.13

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## 1.122 mapstruct 1.2.0

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## 1.127 activation 1.2.1

## 1.128 jackson-databind 2.10.2

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# 1.129 swagger-annotations 1.5.20

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 */
```

```
package io.swagger.annotations;
```

```
import java.lang.annotation.ElementType;
import java.lang.annotation.Retention;
import java.lang.annotation.RetentionPolicy;
import java.lang.annotation.Target;
```

```
/**
 * License metadata available within the info section of a Swagger definition, see
 * https://github.com/OAI/OpenAPI-Specification/blob/master/versions/2.0.md#licenseObject
 *
 * @since 1.5.0
 */
```

```
@Target(ElementType.ANNOTATION_TYPE)
@Retention(RetentionPolicy.RUNTIME)
public @interface License {
```

```
/**
 * The name of the license.
 *
 * @return the name of the license
 */
String name();
```

```
/**
 * An optional URL for the license.
 *
 */
```

```
* @return an optional URL for the license.  
*/  
String url() default "";  
}
```

# 1.130 spring-data-ldap 2.2.4

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## 1.131 dom4j 2.1.1

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# 1.134 itext-pdf 5.5.13.1

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(1)

ExceptionConverter:

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Read <http://www.javaspecialists.eu/archive/Issue033.html>

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SimpleXMLParser:

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com/itextpdf/text/pdf/codec/TIFFDirectory.java (first appearance in iText: 2003-04-09)

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FYI: Brian also added: "A bit of history might be in order. The codec classes that you used originally were based on some classes included with JAI but not strictly part of JAI. As of Java SE 1.4 an official Image I/O framework was added in javax.imageio.... This frameork supports these formats:

Java 1.4: GIF (read only), JPEG, PNG

Java 1.5: Added support for BMP and WBMP

Java 1.6: Added support for writing GIF

The JAI Image I/O Tools packages (jai-imageio-core) were created to support formats handled by JAI but not included in Java SE as well as some new things like JPEG2000."

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## 1.135 jsr305 3.0.2

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# 1.136 hibernate-validator 6.0.18

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## 1.139 jakarta-persistence-api 2.2.3

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## 1.140 spring-security-web 5.2.1

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\*/

package org.springframework.security.acls.model;

import java.io.Serializable;

/\*\*

\* Represents a permission granted to a <tt>Sid</tt> for a given domain object.

\*

\* @author Ben Alex

\*/

public interface Permission extends Serializable {

// ~ Static fields/initializers

//

=====

===

char RESERVED\_ON = '~';

char RESERVED\_OFF = '!';

String THIRTY\_TWO\_RESERVED\_OFF = ".....";

// ~ Methods

//

=====

=====

/\*\*

\* Returns the bits that represents the permission.

\*

\* @return the bits that represent the permission

\*/

```

int getMask();

/**
 * Returns a 32-character long bit pattern <code>String</code> representing this
 * permission.
 * <p>
 * Implementations are free to format the pattern as they see fit, although under no
 * circumstances may { @link #RESERVED_OFF} or { @link #RESERVED_ON} be used within the
 * pattern. An exemption is in the case of { @link #RESERVED_OFF} which is used to
 * denote a bit that is off (clear). Implementations may also elect to use
 * { @link #RESERVED_ON} internally for computation purposes, although this method may
 * not return any <code>String</code> containing { @link #RESERVED_ON}.
 * <p>
 * The returned String must be 32 characters in length.
 * <p>
 * This method is only used for user interface and logging purposes. It is not used in
 * any permission calculations. Therefore, duplication of characters within the output
 * is permitted.
 *
 * @return a 32-character bit pattern
 */
String getPattern();
}

```

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The initial code for shuffling an array (originally in class "org.apache.commons.math3.random.RandomDataGenerator", now replaced by a method in class "org.apache.commons.math3.util.MathArrays") was inspired from the algorithm description provided in "Algorithms", by Ian Craw and John Pulham (University of Aberdeen 1999). The textbook (containing a proof that the shuffle is uniformly random) is available here:  
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