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### 1.11 jcl-over-slf4j 1.7.2

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*/

package org.apache.commons.logging;

/**
 * A simple logging interface abstracting logging APIs. In order to be
 * instantiated successfully by {link LogFactory}, classes that implement
 * this interface must have a constructor that takes a single String
 * parameter representing the "name" of this Log.</p>
 *
 * <p> The six logging levels used by <code>Log</code> are (in order):
 * <ol>
 * <li>trace (the least serious)</li>
 * <li>debug</li>
 * <li>info</li>
 * <li>warn</li>
 * <li>error</li>
 * <li>fatal (the most serious)</li>
 * </ol>
 * The mapping of these log levels to the concepts used by the underlying
 * logging system is implementation dependent.
 */```
* The implementation should ensure, though, that this ordering behaves
* as expected.</p>
*
* <p>Performance is often a logging concern.
* By examining the appropriate property,
* a component can avoid expensive operations (producing information
* to be logged).</p>
*
* <p>For example,
* <code><pre>
* if (log.isDebugEnabled()) {
*    ... do something expensive ...
*    log.debug(theResult);
* }
* </pre></code>
* </p>
*
* <p>Configuration of the underlying logging system will generally be done
* external to the Logging APIs, through whatever mechanism is supported by
* that system.</p>
*
* <p style="color: #E40; font-weight: bold;">Please note that this interface is identical to that found in JCL
1.1.1.</p>
*
* @author <a href="mailto:sanders@apache.org">Scott Sanders</a>
* @author Rod Waldhoff
* @version $Id: Log.java,v 1.19 2004/06/06 21:16:04 rdonkin Exp $
*/
public interface Log {

    // ----------------------------------------------- Logging Properties

    /**
     * <p> Is debug logging currently enabled? </p>
     *
     * <p> Call this method to prevent having to perform expensive operations
     * (for example, <code>String</code> concatenation)
     * when the log level is more than debug. </p>
     */
    public boolean isDebugEnabled();

    /**
     * <p> Is error logging currently enabled? </p>
     *
     * <p> Call this method to prevent having to perform expensive operations
     * when the log level is more than error. </p>
     */
    public boolean isErrorEnabled();

    /**
     * <p> Is warning logging currently enabled? </p>
     *
     * <p> Call this method to prevent having to perform expensive operations
     * when the log level is more than warning. </p>
     */
    public boolean isWarnEnabled();

    /**
     * <p> Is info logging currently enabled? </p>
     *
     * <p> Call this method to prevent having to perform expensive operations
     * when the log level is more than info. </p>
     */
    public boolean isInfoEnabled();

    /**
     * <p> Is trace logging currently enabled? </p>
     *
     * <p> Call this method to prevent having to perform expensive operations
     * when the log level is more than trace. </p>
     */
    public boolean isTraceEnabled();

    /**
     * <p> Is level logging currently enabled? </p>
     *
     * <p> Call this method to prevent having to perform expensive operations
     * when the log level is more than level. </p>
     */
    public boolean isLevelEnabled();

    // ----------------------------------------------------- Logging Events

    /**
     * <p> Log event an error message to the log system. </p>
     *
     * <p> If the error logging is enabled, this method will produce an error
     * message. </p>
     */
    public void error(String msg, Throwable t);

    /**
     * <p> Log event a warning message to the log system. </p>
     *
     * <p> If the warning logging is enabled, this method will produce a warning
     * message. </p>
     */
    public void warn(String msg, Throwable t);

    /**
     * <p> Log event an info message to the log system. </p>
     *
     * <p> If the info logging is enabled, this method will produce an info
     * message. </p>
     */
    public void info(String msg, Throwable t);

    /**
     * <p> Log event a debug message to the log system. </p>
     *
     * <p> If the debug logging is enabled, this method will produce a debug
     * message. </p>
     */
    public void debug(String msg, Throwable t);

    /**
     * <p> Log event a trace message to the log system. </p>
     *
     * <p> If the trace logging is enabled, this method will produce a trace
     * message. </p>
     */
    public void trace(String msg, Throwable t);

    public void log(String level, String msg, Throwable t);

    public void log(int level, String msg, Throwable t);

    public void log(int level, String msg);

    public void log(int level, String msg, Throwable t);

    public void log(int level, Throwable t);

    public void log(Throwable t);

    public void log(String msg);

    public void log(String msg, Throwable t);

    public void log(String msg, int level);

    public void log(int level);

    public void log(String msg, int level);

    public boolean isDebugEnabled();

    public boolean isErrorEnabled();

    public boolean isWarnEnabled();

    public boolean isInfoEnabled();

    public boolean isTraceEnabled();

    public boolean isLevelEnabled();

    @Override
    public void setLevel(int level);

    @Override
    public int getLevel();

    @Override
    public String getName();

    @Override
    public String getDefinition();

    @Override
    public String getShortDefinition();

    @Override
    public void setName(String name);

    @Override
    public void setDefinition(String definition);

    @Override
    public void setShortDefinition(String shortDefinition);

    @Override
    public boolean isLoggable(int level, String message);
public boolean isErrorEnabled();

/**
 * <p> Is fatal logging currently enabled? </p>
 *
 * @return true if fatal enabled, false otherwise
 */
public boolean isFatalEnabled();

/**
 * <p> Is info logging currently enabled? </p>
 *
 * @return true if info enabled, false otherwise
 */
public boolean isInfoEnabled();

/**
 * <p> Is trace logging currently enabled? </p>
 *
 * @return true if trace enabled, false otherwise
 */
public boolean isTraceEnabled();

/**
 * <p> Is warn logging currently enabled? </p>
 *
 * @return true if warn enabled, false otherwise
 */
public boolean isWarnEnabled();
// -------------------------------------------------------- Logging Methods

/**
* <p> Log a message with trace log level. </p>
* @param message log this message
*/
public void trace(Object message);

/**
* <p> Log an error with trace log level. </p>
* @param message log this message
* @param t log this cause
*/
public void trace(Object message, Throwable t);

/**
* <p> Log a message with debug log level. </p>
* @param message log this message
*/
public void debug(Object message);

/**
* <p> Log an error with debug log level. </p>
* @param message log this message
* @param t log this cause
*/
public void debug(Object message, Throwable t);

/**
* <p> Log a message with info log level. </p>
* @param message log this message
*/
public void info(Object message);
public void info(Object message, Throwable t);

public void warn(Object message, Throwable t);

public void warn(Object message);

public void error(Object message, Throwable t);

public void error(Object message);

public void fatal(Object message);
/**
 * Log an error with fatal log level. </p>
 *
 * @param message log this message
 * @param t log this cause
 */
 public void fatal(Object message, Throwable t);


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1.19 log4j-over-slf4j 1.7.2

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package org.apache.log4j;

import org.apache.log4j.spi.Filter;
import org.apache.log4j.spi.ErrorHandler;
import org.apache.log4j.spi.Layout;
import org.apache.log4j.spi.LoggingEvent;

/**
 * Implement this interface for your own strategies for outputting log statements.
 *
 * @author Ceki G\uuml;l\u0130l\u0130c\u0130
 */

public interface Appender {
void addFilter(Filter newFilter);

/**
 * Returns the head Filter. The Filters are organized in a linked list
 * and so all Filters on this Appender are available through the result.
 *
 * @return the head Filter or null, if no Filters are present
 * @since 1.1
 */
public Filter getFilter();

/**
 * Clear the list of filters by removing all the filters in it.
 *
 * @since 0.9.0
 */
public void clearFilters();

/**
 * Release any resources allocated within the appender such as file
 * handles, network connections, etc.
 *<p/>
 * It is a programming error to append to a closed appender.
 *
 * @since 0.8.4
 */
public void close();

/**
 * Log in <code>Appender</code> specific way. When appropriate,
 * Loggers will call the <code>doAppend</code> method of appender
 * implementations in order to log.
 */
public void doAppend(LoggingEvent event);

/**
 * Get the name of this appender. The name uniquely identifies the
 * appender.
 */
public String getName();

/**
 * Set the [@link ErrorHandler] for this appender.
 *
 * @since 0.9.0
 */
public void setErrorHandler(ErrorHandler errorHandler);

/**
 * Returns the {@link ErrorHandler} for this appender.
 * @since 1.1
 */
public ErrorHandler getErrorHandler();

/**
 * Set the {@link Layout} for this appender.
 * @since 0.8.1
 */
public void setLayout(Layout layout);

/**
 * Returns this appenders layout.
 * @since 1.1
 */
public Layout getLayout();

/**
 * Set the name of this appender. The name is used by other
 * components to identify this appender.
 * @since 0.8.1
 */
public void setName(String name);

/**
 * Configurators call this method to determine if the appender
 * requires a layout. If this method returns <code>true</code>,
 * meaning that layout is required, then the configurator will
 * configure an layout using the configuration information at its
 * disposal. If this method returns <code>false</code>, meaning that
 * a layout is not required, then layout configuration will be
 * skipped even if there is available layout configuration
 * information at the disposal of the configurator..
 * @since 0.8.4
 */
public boolean requiresLayout();
}

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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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1.36 jackson-jaxrs-json-provider 2.10.2

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### 1.42 asm-debug-all 5.0.4

### 1.43 jersey-media-json-jackson 2.24

### 1.44 resourcelocator 1.0.1

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

* created on: 2005jan16
This locale data is based on the ICU’s Vietnamese locale data (rev. 1.38) found at:


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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:

<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
If there is no following character (i.e. the replaceable was empty), use default metadata.

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

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

---

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

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

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@see Replaceable
@stable ICU 2.0

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import java.io.Serializable;

/**
 * Legacy security code; do not use.
 */
public abstract class Permission implements Guard, Serializable {
    public Permission(String name) {
    }
    public final String getName() { return null; }
    public void checkGuard(Object obj) throws SecurityException {
    }
    public PermissionCollection newPermissionCollection() {

return new AllPermissionCollection();
}

public abstract String getActions();

public abstract boolean implies(Permission permission);
}

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1.52 jackson-databind 2.10.2

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### 1.88 jersey-test-framework-provider-jdk-http

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