| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/LogRecord.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/java/util/logging/LogManager.html)   [**NEXT CLASS**](http://docs.google.com/java/util/logging/MemoryHandler.html) | [**FRAMES**](http://docs.google.com/index.html?java/util/logging/LogRecord.html)    [**NO FRAMES**](http://docs.google.com/LogRecord.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

## **java.util.logging**

Class LogRecord

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **java.util.logging.LogRecord**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html)

public class **LogRecord**extends [Object](http://docs.google.com/java/lang/Object.html)implements [Serializable](http://docs.google.com/java/io/Serializable.html)

LogRecord objects are used to pass logging requests between the logging framework and individual log Handlers.

When a LogRecord is passed into the logging framework it logically belongs to the framework and should no longer be used or updated by the client application.

Note that if the client application has not specified an explicit source method name and source class name, then the LogRecord class will infer them automatically when they are first accessed (due to a call on getSourceMethodName or getSourceClassName) by analyzing the call stack. Therefore, if a logging Handler wants to pass off a LogRecord to another thread, or to transmit it over RMI, and if it wishes to subsequently obtain method name or class name information it should call one of getSourceClassName or getSourceMethodName to force the values to be filled in.

**Serialization notes:**

* The LogRecord class is serializable.
* Because objects in the parameters array may not be serializable, during serialization all objects in the parameters array are written as the corresponding Strings (using Object.toString).
* The ResourceBundle is not transmitted as part of the serialized form, but the resource bundle name is, and the recipient object's readObject method will attempt to locate a suitable resource bundle.

**Since:** 1.4 **See Also:**[Serialized Form](http://docs.google.com/serialized-form.html#java.util.logging.LogRecord)

| **Constructor Summary** | |
| --- | --- |
| [**LogRecord**](http://docs.google.com/java/util/logging/LogRecord.html#LogRecord(java.util.logging.Level,%20java.lang.String))([Level](http://docs.google.com/java/util/logging/Level.html) level, [String](http://docs.google.com/java/lang/String.html) msg)            Construct a LogRecord with the given level and message values. |

| **Method Summary** | |
| --- | --- |
| [Level](http://docs.google.com/java/util/logging/Level.html) | [**getLevel**](http://docs.google.com/java/util/logging/LogRecord.html#getLevel())()            Get the logging message level, for example Level.SEVERE. |
| [String](http://docs.google.com/java/lang/String.html) | [**getLoggerName**](http://docs.google.com/java/util/logging/LogRecord.html#getLoggerName())()            Get the source Logger name's |
| [String](http://docs.google.com/java/lang/String.html) | [**getMessage**](http://docs.google.com/java/util/logging/LogRecord.html#getMessage())()            Get the "raw" log message, before localization or formatting. |
| long | [**getMillis**](http://docs.google.com/java/util/logging/LogRecord.html#getMillis())()            Get event time in milliseconds since 1970. |
| [Object](http://docs.google.com/java/lang/Object.html)[] | [**getParameters**](http://docs.google.com/java/util/logging/LogRecord.html#getParameters())()            Get the parameters to the log message. |
| [ResourceBundle](http://docs.google.com/java/util/ResourceBundle.html) | [**getResourceBundle**](http://docs.google.com/java/util/logging/LogRecord.html#getResourceBundle())()            Get the localization resource bundle |
| [String](http://docs.google.com/java/lang/String.html) | [**getResourceBundleName**](http://docs.google.com/java/util/logging/LogRecord.html#getResourceBundleName())()            Get the localization resource bundle name |
| long | [**getSequenceNumber**](http://docs.google.com/java/util/logging/LogRecord.html#getSequenceNumber())()            Get the sequence number. |
| [String](http://docs.google.com/java/lang/String.html) | [**getSourceClassName**](http://docs.google.com/java/util/logging/LogRecord.html#getSourceClassName())()            Get the name of the class that (allegedly) issued the logging request. |
| [String](http://docs.google.com/java/lang/String.html) | [**getSourceMethodName**](http://docs.google.com/java/util/logging/LogRecord.html#getSourceMethodName())()            Get the name of the method that (allegedly) issued the logging request. |
| int | [**getThreadID**](http://docs.google.com/java/util/logging/LogRecord.html#getThreadID())()            Get an identifier for the thread where the message originated. |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | [**getThrown**](http://docs.google.com/java/util/logging/LogRecord.html#getThrown())()            Get any throwable associated with the log record. |
| void | [**setLevel**](http://docs.google.com/java/util/logging/LogRecord.html#setLevel(java.util.logging.Level))([Level](http://docs.google.com/java/util/logging/Level.html) level)            Set the logging message level, for example Level.SEVERE. |
| void | [**setLoggerName**](http://docs.google.com/java/util/logging/LogRecord.html#setLoggerName(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Set the source Logger name. |
| void | [**setMessage**](http://docs.google.com/java/util/logging/LogRecord.html#setMessage(java.lang.String))([String](http://docs.google.com/java/lang/String.html) message)            Set the "raw" log message, before localization or formatting. |
| void | [**setMillis**](http://docs.google.com/java/util/logging/LogRecord.html#setMillis(long))(long millis)            Set event time. |
| void | [**setParameters**](http://docs.google.com/java/util/logging/LogRecord.html#setParameters(java.lang.Object%5B%5D))([Object](http://docs.google.com/java/lang/Object.html)[] parameters)            Set the parameters to the log message. |
| void | [**setResourceBundle**](http://docs.google.com/java/util/logging/LogRecord.html#setResourceBundle(java.util.ResourceBundle))([ResourceBundle](http://docs.google.com/java/util/ResourceBundle.html) bundle)            Set the localization resource bundle. |
| void | [**setResourceBundleName**](http://docs.google.com/java/util/logging/LogRecord.html#setResourceBundleName(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Set the localization resource bundle name. |
| void | [**setSequenceNumber**](http://docs.google.com/java/util/logging/LogRecord.html#setSequenceNumber(long))(long seq)            Set the sequence number. |
| void | [**setSourceClassName**](http://docs.google.com/java/util/logging/LogRecord.html#setSourceClassName(java.lang.String))([String](http://docs.google.com/java/lang/String.html) sourceClassName)            Set the name of the class that (allegedly) issued the logging request. |
| void | [**setSourceMethodName**](http://docs.google.com/java/util/logging/LogRecord.html#setSourceMethodName(java.lang.String))([String](http://docs.google.com/java/lang/String.html) sourceMethodName)            Set the name of the method that (allegedly) issued the logging request. |
| void | [**setThreadID**](http://docs.google.com/java/util/logging/LogRecord.html#setThreadID(int))(int threadID)            Set an identifier for the thread where the message originated. |
| void | [**setThrown**](http://docs.google.com/java/util/logging/LogRecord.html#setThrown(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) thrown)            Set a throwable associated with the log event. |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [clone](http://docs.google.com/java/lang/Object.html#clone()), [equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [hashCode](http://docs.google.com/java/lang/Object.html#hashCode()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [toString](http://docs.google.com/java/lang/Object.html#toString()), [wait](http://docs.google.com/java/lang/Object.html#wait()), [wait](http://docs.google.com/java/lang/Object.html#wait(long)), [wait](http://docs.google.com/java/lang/Object.html#wait(long,%20int)) |

| **Constructor Detail** |
| --- |

### LogRecord

public **LogRecord**([Level](http://docs.google.com/java/util/logging/Level.html) level,  
 [String](http://docs.google.com/java/lang/String.html) msg)

Construct a LogRecord with the given level and message values.

The sequence property will be initialized with a new unique value. These sequence values are allocated in increasing order within a VM.

The millis property will be initialized to the current time.

The thread ID property will be initialized with a unique ID for the current thread.

All other properties will be initialized to "null".

**Parameters:**level - a logging level valuemsg - the raw non-localized logging message (may be null)

| **Method Detail** |
| --- |

### getLoggerName

public [String](http://docs.google.com/java/lang/String.html) **getLoggerName**()

Get the source Logger name's

**Returns:**source logger name (may be null)

### setLoggerName

public void **setLoggerName**([String](http://docs.google.com/java/lang/String.html) name)

Set the source Logger name.

**Parameters:**name - the source logger name (may be null)

### getResourceBundle

public [ResourceBundle](http://docs.google.com/java/util/ResourceBundle.html) **getResourceBundle**()

Get the localization resource bundle

This is the ResourceBundle that should be used to localize the message string before formatting it. The result may be null if the message is not localizable, or if no suitable ResourceBundle is available.

### setResourceBundle

public void **setResourceBundle**([ResourceBundle](http://docs.google.com/java/util/ResourceBundle.html) bundle)

Set the localization resource bundle.

**Parameters:**bundle - localization bundle (may be null)

### getResourceBundleName

public [String](http://docs.google.com/java/lang/String.html) **getResourceBundleName**()

Get the localization resource bundle name

This is the name for the ResourceBundle that should be used to localize the message string before formatting it. The result may be null if the message is not localizable.

### setResourceBundleName

public void **setResourceBundleName**([String](http://docs.google.com/java/lang/String.html) name)

Set the localization resource bundle name.

**Parameters:**name - localization bundle name (may be null)

### getLevel

public [Level](http://docs.google.com/java/util/logging/Level.html) **getLevel**()

Get the logging message level, for example Level.SEVERE.

**Returns:**the logging message level

### setLevel

public void **setLevel**([Level](http://docs.google.com/java/util/logging/Level.html) level)

Set the logging message level, for example Level.SEVERE.

**Parameters:**level - the logging message level

### getSequenceNumber

public long **getSequenceNumber**()

Get the sequence number.

Sequence numbers are normally assigned in the LogRecord constructor, which assigns unique sequence numbers to each new LogRecord in increasing order.

**Returns:**the sequence number

### setSequenceNumber

public void **setSequenceNumber**(long seq)

Set the sequence number.

Sequence numbers are normally assigned in the LogRecord constructor, so it should not normally be necessary to use this method.

### getSourceClassName

public [String](http://docs.google.com/java/lang/String.html) **getSourceClassName**()

Get the name of the class that (allegedly) issued the logging request.

Note that this sourceClassName is not verified and may be spoofed. This information may either have been provided as part of the logging call, or it may have been inferred automatically by the logging framework. In the latter case, the information may only be approximate and may in fact describe an earlier call on the stack frame.

May be null if no information could be obtained.

**Returns:**the source class name

### setSourceClassName

public void **setSourceClassName**([String](http://docs.google.com/java/lang/String.html) sourceClassName)

Set the name of the class that (allegedly) issued the logging request.

**Parameters:**sourceClassName - the source class name (may be null)

### getSourceMethodName

public [String](http://docs.google.com/java/lang/String.html) **getSourceMethodName**()

Get the name of the method that (allegedly) issued the logging request.

Note that this sourceMethodName is not verified and may be spoofed. This information may either have been provided as part of the logging call, or it may have been inferred automatically by the logging framework. In the latter case, the information may only be approximate and may in fact describe an earlier call on the stack frame.

May be null if no information could be obtained.

**Returns:**the source method name

### setSourceMethodName

public void **setSourceMethodName**([String](http://docs.google.com/java/lang/String.html) sourceMethodName)

Set the name of the method that (allegedly) issued the logging request.

**Parameters:**sourceMethodName - the source method name (may be null)

### getMessage

public [String](http://docs.google.com/java/lang/String.html) **getMessage**()

Get the "raw" log message, before localization or formatting.

May be null, which is equivalent to the empty string "".

This message may be either the final text or a localization key.

During formatting, if the source logger has a localization ResourceBundle and if that ResourceBundle has an entry for this message string, then the message string is replaced with the localized value.

**Returns:**the raw message string

### setMessage

public void **setMessage**([String](http://docs.google.com/java/lang/String.html) message)

Set the "raw" log message, before localization or formatting.

**Parameters:**message - the raw message string (may be null)

### getParameters

public [Object](http://docs.google.com/java/lang/Object.html)[] **getParameters**()

Get the parameters to the log message.

**Returns:**the log message parameters. May be null if there are no parameters.

### setParameters

public void **setParameters**([Object](http://docs.google.com/java/lang/Object.html)[] parameters)

Set the parameters to the log message.

**Parameters:**parameters - the log message parameters. (may be null)

### getThreadID

public int **getThreadID**()

Get an identifier for the thread where the message originated.

This is a thread identifier within the Java VM and may or may not map to any operating system ID.

**Returns:**thread ID

### setThreadID

public void **setThreadID**(int threadID)

Set an identifier for the thread where the message originated.

**Parameters:**threadID - the thread ID

### getMillis

public long **getMillis**()

Get event time in milliseconds since 1970.

**Returns:**event time in millis since 1970

### setMillis

public void **setMillis**(long millis)

Set event time.

**Parameters:**millis - event time in millis since 1970

### getThrown

public [Throwable](http://docs.google.com/java/lang/Throwable.html) **getThrown**()

Get any throwable associated with the log record.

If the event involved an exception, this will be the exception object. Otherwise null.

**Returns:**a throwable

### setThrown

public void **setThrown**([Throwable](http://docs.google.com/java/lang/Throwable.html) thrown)

Set a throwable associated with the log event.

**Parameters:**thrown - a throwable (may be null)

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/LogRecord.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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