| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/LoggingMXBean.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/Logger.html)   [**NEXT CLASS**](http://docs.google.com/java/util/logging/LoggingPermission.html) | [**FRAMES**](http://docs.google.com/index.html?java/util/logging/LoggingMXBean.html)    [**NO FRAMES**](http://docs.google.com/LoggingMXBean.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

## **java.util.logging**

Interface LoggingMXBean

public interface **LoggingMXBean**

The management interface for the logging facility.

There is a single global instance of the LoggingMXBean. This instance is an [MXBean](http://docs.google.com/lang/management/ManagementFactory.html#MXBean) can be obtained by calling the [LogManager.getLoggingMXBean()](http://docs.google.com/java/util/logging/LogManager.html#getLoggingMXBean()) method or from the [platform MBeanServer](http://docs.google.com/java/lang/management/ManagementFactory.html#getPlatformMBeanServer()) method.

The [ObjectName](http://docs.google.com/javax/management/ObjectName.html) for uniquely identifying the LoggingMXBean within an MBeanServer is:

[java.util.logging:type=Logging](http://docs.google.com/java/util/logging/LogManager.html#LOGGING_MXBEAN_NAME)

**Since:** 1.5 **See Also:**[ManagementFactory](http://docs.google.com/java/lang/management/ManagementFactory.html)

| **Method Summary** | |
| --- | --- |
| [String](http://docs.google.com/java/lang/String.html) | [**getLoggerLevel**](http://docs.google.com/java/util/logging/LoggingMXBean.html#getLoggerLevel(java.lang.String))([String](http://docs.google.com/java/lang/String.html) loggerName)            Gets the name of the log level associated with the specified logger. |
| [List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)> | [**getLoggerNames**](http://docs.google.com/java/util/logging/LoggingMXBean.html#getLoggerNames())()            Returns the list of currently registered loggers. |
| [String](http://docs.google.com/java/lang/String.html) | [**getParentLoggerName**](http://docs.google.com/java/util/logging/LoggingMXBean.html#getParentLoggerName(java.lang.String))([String](http://docs.google.com/java/lang/String.html) loggerName)            Returns the name of the parent for the specified logger. |
| void | [**setLoggerLevel**](http://docs.google.com/java/util/logging/LoggingMXBean.html#setLoggerLevel(java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) loggerName, [String](http://docs.google.com/java/lang/String.html) levelName)            Sets the specified logger to the specified new level. |

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

### getLoggerNames

[List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)> **getLoggerNames**()

Returns the list of currently registered loggers. This method calls [LogManager.getLoggerNames()](http://docs.google.com/java/util/logging/LogManager.html#getLoggerNames()) and returns a list of the logger names.

**Returns:**A list of String each of which is a currently registered Logger name.

### getLoggerLevel

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

Gets the name of the log level associated with the specified logger. If the specified logger does not exist, null is returned. This method first finds the logger of the given name and then returns the name of the log level by calling:[Logger.getLevel()](http://docs.google.com/java/util/logging/Logger.html#getLevel()).[getName()](http://docs.google.com/java/util/logging/Level.html#getName());

If the Level of the specified logger is null, which means that this logger's effective level is inherited from its parent, an empty string will be returned.

**Parameters:**loggerName - The name of the Logger to be retrieved. **Returns:**The name of the log level of the specified logger; or an empty string if the log level of the specified logger is null. If the specified logger does not exist, null is returned.**See Also:**[Logger.getLevel()](http://docs.google.com/java/util/logging/Logger.html#getLevel())

### setLoggerLevel

void **setLoggerLevel**([String](http://docs.google.com/java/lang/String.html) loggerName,  
 [String](http://docs.google.com/java/lang/String.html) levelName)

Sets the specified logger to the specified new level. If the levelName is not null, the level of the specified logger is set to the parsed Level matching the levelName. If the levelName is null, the level of the specified logger is set to null and the effective level of the logger is inherited from its nearest ancestor with a specific (non-null) level value.

**Parameters:**loggerName - The name of the Logger to be set. Must be non-null.levelName - The name of the level to set the specified logger to, or null if to set the level to inherit from its nearest ancestor. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if the specified logger does not exist, or levelName is not a valid level name. [SecurityException](http://docs.google.com/java/lang/SecurityException.html) - if a security manager exists and if the caller does not have LoggingPermission("control").**See Also:**[Logger.setLevel(java.util.logging.Level)](http://docs.google.com/java/util/logging/Logger.html#setLevel(java.util.logging.Level))

### getParentLoggerName

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

Returns the name of the parent for the specified logger. If the specified logger does not exist, null is returned. If the specified logger is the root Logger in the namespace, the result will be an empty string.

**Parameters:**loggerName - The name of a Logger. **Returns:**the name of the nearest existing parent logger; an empty string if the specified logger is the root logger. If the specified logger does not exist, null is returned.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/LoggingMXBean.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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| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

[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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