| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SocketHandler.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/SimpleFormatter.html)   [**NEXT CLASS**](http://docs.google.com/java/util/logging/StreamHandler.html) | [**FRAMES**](http://docs.google.com/index.html?java/util/logging/SocketHandler.html)    [**NO FRAMES**](http://docs.google.com/SocketHandler.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#4d34og8) | [METHOD](#3rdcrjn) |

## **java.util.logging**

Class SocketHandler

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

public class **SocketHandler**extends [StreamHandler](http://docs.google.com/java/util/logging/StreamHandler.html)

Simple network logging Handler.

LogRecords are published to a network stream connection. By default the XMLFormatter class is used for formatting.

**Configuration:** By default each SocketHandler is initialized using the following LogManager configuration properties. If properties are not defined (or have invalid values) then the specified default values are used.

* java.util.logging.SocketHandler.level specifies the default level for the Handler (defaults to Level.ALL).
* java.util.logging.SocketHandler.filter specifies the name of a Filter class to use (defaults to no Filter).
* java.util.logging.SocketHandler.formatter specifies the name of a Formatter class to use (defaults to java.util.logging.XMLFormatter).
* java.util.logging.SocketHandler.encoding the name of the character set encoding to use (defaults to the default platform encoding).
* java.util.logging.SocketHandler.host specifies the target host name to connect to (no default).
* java.util.logging.SocketHandler.port specifies the target TCP port to use (no default).

The output IO stream is buffered, but is flushed after each LogRecord is written.

**Since:** 1.4

| **Constructor Summary** | |
| --- | --- |
| [**SocketHandler**](http://docs.google.com/java/util/logging/SocketHandler.html#SocketHandler())()            Create a SocketHandler, using only LogManager properties (or their defaults). |
| [**SocketHandler**](http://docs.google.com/java/util/logging/SocketHandler.html#SocketHandler(java.lang.String,%20int))([String](http://docs.google.com/java/lang/String.html) host, int port)            Construct a SocketHandler using a specified host and port. |

| **Method Summary** | |
| --- | --- |
| void | [**close**](http://docs.google.com/java/util/logging/SocketHandler.html#close())()            Close this output stream. |
| void | [**publish**](http://docs.google.com/java/util/logging/SocketHandler.html#publish(java.util.logging.LogRecord))([LogRecord](http://docs.google.com/java/util/logging/LogRecord.html) record)            Format and publish a LogRecord. |

| **Methods inherited from class java.util.logging.**[**StreamHandler**](http://docs.google.com/java/util/logging/StreamHandler.html) |
| --- |
| [flush](http://docs.google.com/java/util/logging/StreamHandler.html#flush()), [isLoggable](http://docs.google.com/java/util/logging/StreamHandler.html#isLoggable(java.util.logging.LogRecord)), [setEncoding](http://docs.google.com/java/util/logging/StreamHandler.html#setEncoding(java.lang.String)), [setOutputStream](http://docs.google.com/java/util/logging/StreamHandler.html#setOutputStream(java.io.OutputStream)) |

| **Methods inherited from class java.util.logging.**[**Handler**](http://docs.google.com/java/util/logging/Handler.html) |
| --- |
| [getEncoding](http://docs.google.com/java/util/logging/Handler.html#getEncoding()), [getErrorManager](http://docs.google.com/java/util/logging/Handler.html#getErrorManager()), [getFilter](http://docs.google.com/java/util/logging/Handler.html#getFilter()), [getFormatter](http://docs.google.com/java/util/logging/Handler.html#getFormatter()), [getLevel](http://docs.google.com/java/util/logging/Handler.html#getLevel()), [reportError](http://docs.google.com/java/util/logging/Handler.html#reportError(java.lang.String,%20java.lang.Exception,%20int)), [setErrorManager](http://docs.google.com/java/util/logging/Handler.html#setErrorManager(java.util.logging.ErrorManager)), [setFilter](http://docs.google.com/java/util/logging/Handler.html#setFilter(java.util.logging.Filter)), [setFormatter](http://docs.google.com/java/util/logging/Handler.html#setFormatter(java.util.logging.Formatter)), [setLevel](http://docs.google.com/java/util/logging/Handler.html#setLevel(java.util.logging.Level)) |

| **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** |
| --- |

### SocketHandler

public **SocketHandler**()  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Create a SocketHandler, using only LogManager properties (or their defaults).

**Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if the host or port are invalid or are not specified as LogManager properties. [IOException](http://docs.google.com/java/io/IOException.html) - if we are unable to connect to the target host and port.

### SocketHandler

public **SocketHandler**([String](http://docs.google.com/java/lang/String.html) host,  
 int port)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Construct a SocketHandler using a specified host and port. The SocketHandler is configured based on LogManager properties (or their default values) except that the given target host and port arguments are used. If the host argument is empty, but not null String then the localhost is used.

**Parameters:**host - target host.port - target port. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if the host or port are invalid. [IOException](http://docs.google.com/java/io/IOException.html) - if we are unable to connect to the target host and port.

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

### close

public void **close**()  
 throws [SecurityException](http://docs.google.com/java/lang/SecurityException.html)

Close this output stream.

**Overrides:**[close](http://docs.google.com/java/util/logging/StreamHandler.html#close()) in class [StreamHandler](http://docs.google.com/java/util/logging/StreamHandler.html) **Throws:** [SecurityException](http://docs.google.com/java/lang/SecurityException.html) - if a security manager exists and if the caller does not have LoggingPermission("control").

### publish

public void **publish**([LogRecord](http://docs.google.com/java/util/logging/LogRecord.html) record)

Format and publish a LogRecord.

**Overrides:**[publish](http://docs.google.com/java/util/logging/StreamHandler.html#publish(java.util.logging.LogRecord)) in class [StreamHandler](http://docs.google.com/java/util/logging/StreamHandler.html) **Parameters:**record - description of the log event. A null record is silently ignored and is not published

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SocketHandler.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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