| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/CookieHandler.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/net/ContentHandlerFactory.html)   [**NEXT CLASS**](http://docs.google.com/java/net/CookieManager.html) | [**FRAMES**](http://docs.google.com/index.html?java/net/CookieHandler.html)    [**NO FRAMES**](http://docs.google.com/CookieHandler.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

## **java.net**

Class CookieHandler

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

**Direct Known Subclasses:** [CookieManager](http://docs.google.com/java/net/CookieManager.html)

public abstract class **CookieHandler**extends [Object](http://docs.google.com/java/lang/Object.html)

A CookieHandler object provides a callback mechanism to hook up a HTTP state management policy implementation into the HTTP protocol handler. The HTTP state management mechanism specifies a way to create a stateful session with HTTP requests and responses.

A system-wide CookieHandler that to used by the HTTP protocol handler can be registered by doing a CookieHandler.setDefault(CookieHandler). The currently registered CookieHandler can be retrieved by calling CookieHandler.getDefault(). For more information on HTTP state management, see [*RFC 2965: HTTP State Management Mechanism*](http://www.ietf.org/rfc/rfc2965.txt)

**Since:** 1.5

| **Constructor Summary** | |
| --- | --- |
| [**CookieHandler**](http://docs.google.com/java/net/CookieHandler.html#CookieHandler())() |

| **Method Summary** | |
| --- | --- |
| abstract  [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)>> | [**get**](http://docs.google.com/java/net/CookieHandler.html#get(java.net.URI,%20java.util.Map))([URI](http://docs.google.com/java/net/URI.html) uri, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)>> requestHeaders)            Gets all the applicable cookies from a cookie cache for the specified uri in the request header. |
| static [CookieHandler](http://docs.google.com/java/net/CookieHandler.html) | [**getDefault**](http://docs.google.com/java/net/CookieHandler.html#getDefault())()            Gets the system-wide cookie handler. |
| abstract  void | [**put**](http://docs.google.com/java/net/CookieHandler.html#put(java.net.URI,%20java.util.Map))([URI](http://docs.google.com/java/net/URI.html) uri, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)>> responseHeaders)            Sets all the applicable cookies, examples are response header fields that are named Set-Cookie2, present in the response headers into a cookie cache. |
| static void | [**setDefault**](http://docs.google.com/java/net/CookieHandler.html#setDefault(java.net.CookieHandler))([CookieHandler](http://docs.google.com/java/net/CookieHandler.html) cHandler)            Sets (or unsets) the system-wide cookie handler. |

| **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** |
| --- |

### CookieHandler

public **CookieHandler**()

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

### getDefault

public static [CookieHandler](http://docs.google.com/java/net/CookieHandler.html) **getDefault**()

Gets the system-wide cookie handler.

**Returns:**the system-wide cookie handler; A null return means there is no system-wide cookie handler currently set. **Throws:** [SecurityException](http://docs.google.com/java/lang/SecurityException.html) - If a security manager has been installed and it denies [NetPermission](http://docs.google.com/java/net/NetPermission.html)("getCookieHandler")**See Also:**[setDefault(CookieHandler)](http://docs.google.com/java/net/CookieHandler.html#setDefault(java.net.CookieHandler))

### setDefault

public static void **setDefault**([CookieHandler](http://docs.google.com/java/net/CookieHandler.html) cHandler)

Sets (or unsets) the system-wide cookie handler. Note: non-standard http protocol handlers may ignore this setting.

**Parameters:**cHandler - The HTTP cookie handler, or null to unset. **Throws:** [SecurityException](http://docs.google.com/java/lang/SecurityException.html) - If a security manager has been installed and it denies [NetPermission](http://docs.google.com/java/net/NetPermission.html)("setCookieHandler")**See Also:**[getDefault()](http://docs.google.com/java/net/CookieHandler.html#getDefault())

### get

public abstract [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)>> **get**([URI](http://docs.google.com/java/net/URI.html) uri,  
 [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)>> requestHeaders)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Gets all the applicable cookies from a cookie cache for the specified uri in the request header. HTTP protocol implementers should make sure that this method is called after all request headers related to choosing cookies are added, and before the request is sent.

**Parameters:**uri - a URI to send cookies to in a requestrequestHeaders - - a Map from request header field names to lists of field values representing the current request headers **Returns:**an immutable map from state management headers, with field names "Cookie" or "Cookie2" to a list of cookies containing state information **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if an I/O error occurs [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if either argument is null**See Also:**[put(URI, Map)](http://docs.google.com/java/net/CookieHandler.html#put(java.net.URI,%20java.util.Map))

### put

public abstract void **put**([URI](http://docs.google.com/java/net/URI.html) uri,  
 [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)>> responseHeaders)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Sets all the applicable cookies, examples are response header fields that are named Set-Cookie2, present in the response headers into a cookie cache.

**Parameters:**uri - a URI where the cookies come fromresponseHeaders - an immutable map from field names to lists of field values representing the response header fields returned **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if an I/O error occurs [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if either argument is null**See Also:**[get(URI, Map)](http://docs.google.com/java/net/CookieHandler.html#get(java.net.URI,%20java.util.Map))

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/CookieHandler.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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| [**PREV CLASS**](http://docs.google.com/java/net/ContentHandlerFactory.html)   [**NEXT CLASS**](http://docs.google.com/java/net/CookieManager.html) | [**FRAMES**](http://docs.google.com/index.html?java/net/CookieHandler.html)    [**NO FRAMES**](http://docs.google.com/CookieHandler.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
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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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