| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | Class | Use | **Tree** | [**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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Hierarchy For Package java.net

**Package Hierarchies:**[All Packages](http://docs.google.com/overview-tree.html)

## Class Hierarchy

* java.lang.[**Object**](http://docs.google.com/java/lang/Object.html)
  + java.net.[**Authenticator**](http://docs.google.com/java/net/Authenticator.html)
  + java.net.[**CacheRequest**](http://docs.google.com/java/net/CacheRequest.html)
  + java.net.[**CacheResponse**](http://docs.google.com/java/net/CacheResponse.html)
    - java.net.[**SecureCacheResponse**](http://docs.google.com/java/net/SecureCacheResponse.html)
  + java.lang.[**ClassLoader**](http://docs.google.com/java/lang/ClassLoader.html)
    - java.security.[**SecureClassLoader**](http://docs.google.com/java/security/SecureClassLoader.html)
      * java.net.[**URLClassLoader**](http://docs.google.com/java/net/URLClassLoader.html)
  + java.net.[**ContentHandler**](http://docs.google.com/java/net/ContentHandler.html)
  + java.net.[**CookieHandler**](http://docs.google.com/java/net/CookieHandler.html)
    - java.net.[**CookieManager**](http://docs.google.com/java/net/CookieManager.html)
  + java.net.[**DatagramPacket**](http://docs.google.com/java/net/DatagramPacket.html)
  + java.net.[**DatagramSocket**](http://docs.google.com/java/net/DatagramSocket.html)
    - java.net.[**MulticastSocket**](http://docs.google.com/java/net/MulticastSocket.html)
  + java.net.[**DatagramSocketImpl**](http://docs.google.com/java/net/DatagramSocketImpl.html) (implements java.net.[SocketOptions](http://docs.google.com/java/net/SocketOptions.html))
  + java.net.[**HttpCookie**](http://docs.google.com/java/net/HttpCookie.html) (implements java.lang.[Cloneable](http://docs.google.com/java/lang/Cloneable.html))
  + java.net.[**IDN**](http://docs.google.com/java/net/IDN.html)
  + java.net.[**InetAddress**](http://docs.google.com/java/net/InetAddress.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
    - java.net.[**Inet4Address**](http://docs.google.com/java/net/Inet4Address.html)
    - java.net.[**Inet6Address**](http://docs.google.com/java/net/Inet6Address.html)
  + java.net.[**InterfaceAddress**](http://docs.google.com/java/net/InterfaceAddress.html)
  + java.net.[**NetworkInterface**](http://docs.google.com/java/net/NetworkInterface.html)
  + java.net.[**PasswordAuthentication**](http://docs.google.com/java/net/PasswordAuthentication.html)
  + java.security.[**Permission**](http://docs.google.com/java/security/Permission.html) (implements java.security.[Guard](http://docs.google.com/java/security/Guard.html), java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
    - java.security.[**BasicPermission**](http://docs.google.com/java/security/BasicPermission.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
      * java.net.[**NetPermission**](http://docs.google.com/java/net/NetPermission.html)
    - java.net.[**SocketPermission**](http://docs.google.com/java/net/SocketPermission.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
  + java.net.[**Proxy**](http://docs.google.com/java/net/Proxy.html)
  + java.net.[**ProxySelector**](http://docs.google.com/java/net/ProxySelector.html)
  + java.net.[**ResponseCache**](http://docs.google.com/java/net/ResponseCache.html)
  + java.net.[**ServerSocket**](http://docs.google.com/java/net/ServerSocket.html)
  + java.net.[**Socket**](http://docs.google.com/java/net/Socket.html)
  + java.net.[**SocketAddress**](http://docs.google.com/java/net/SocketAddress.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
    - java.net.[**InetSocketAddress**](http://docs.google.com/java/net/InetSocketAddress.html)
  + java.net.[**SocketImpl**](http://docs.google.com/java/net/SocketImpl.html) (implements java.net.[SocketOptions](http://docs.google.com/java/net/SocketOptions.html))
  + java.lang.[**Throwable**](http://docs.google.com/java/lang/Throwable.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
    - java.lang.[**Exception**](http://docs.google.com/java/lang/Exception.html)
      * java.io.[**IOException**](http://docs.google.com/java/io/IOException.html)
        + java.net.[**HttpRetryException**](http://docs.google.com/java/net/HttpRetryException.html)
        + java.io.[**InterruptedIOException**](http://docs.google.com/java/io/InterruptedIOException.html)

java.net.[**SocketTimeoutException**](http://docs.google.com/java/net/SocketTimeoutException.html)

* + - * + java.net.[**MalformedURLException**](http://docs.google.com/java/net/MalformedURLException.html)
        + java.net.[**ProtocolException**](http://docs.google.com/java/net/ProtocolException.html)
        + java.net.[**SocketException**](http://docs.google.com/java/net/SocketException.html)

java.net.[**BindException**](http://docs.google.com/java/net/BindException.html)

java.net.[**ConnectException**](http://docs.google.com/java/net/ConnectException.html)

java.net.[**NoRouteToHostException**](http://docs.google.com/java/net/NoRouteToHostException.html)

java.net.[**PortUnreachableException**](http://docs.google.com/java/net/PortUnreachableException.html)

* + - * + java.net.[**UnknownHostException**](http://docs.google.com/java/net/UnknownHostException.html)
        + java.net.[**UnknownServiceException**](http://docs.google.com/java/net/UnknownServiceException.html)
      * java.net.[**URISyntaxException**](http://docs.google.com/java/net/URISyntaxException.html)
  + java.net.[**URI**](http://docs.google.com/java/net/URI.html) (implements java.lang.[Comparable](http://docs.google.com/java/lang/Comparable.html)<T>, java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
  + java.net.[**URL**](http://docs.google.com/java/net/URL.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
  + java.net.[**URLConnection**](http://docs.google.com/java/net/URLConnection.html)
    - java.net.[**HttpURLConnection**](http://docs.google.com/java/net/HttpURLConnection.html)
    - java.net.[**JarURLConnection**](http://docs.google.com/java/net/JarURLConnection.html)
  + java.net.[**URLDecoder**](http://docs.google.com/java/net/URLDecoder.html)
  + java.net.[**URLEncoder**](http://docs.google.com/java/net/URLEncoder.html)
  + java.net.[**URLStreamHandler**](http://docs.google.com/java/net/URLStreamHandler.html)

## Interface Hierarchy

* java.net.[**ContentHandlerFactory**](http://docs.google.com/java/net/ContentHandlerFactory.html)
* java.net.[**CookiePolicy**](http://docs.google.com/java/net/CookiePolicy.html)
* java.net.[**CookieStore**](http://docs.google.com/java/net/CookieStore.html)
* java.net.[**DatagramSocketImplFactory**](http://docs.google.com/java/net/DatagramSocketImplFactory.html)
* java.net.[**FileNameMap**](http://docs.google.com/java/net/FileNameMap.html)
* java.net.[**SocketImplFactory**](http://docs.google.com/java/net/SocketImplFactory.html)
* java.net.[**SocketOptions**](http://docs.google.com/java/net/SocketOptions.html)
* java.net.[**URLStreamHandlerFactory**](http://docs.google.com/java/net/URLStreamHandlerFactory.html)

## Enum Hierarchy

* java.lang.[**Object**](http://docs.google.com/java/lang/Object.html)
  + java.lang.[**Enum**](http://docs.google.com/java/lang/Enum.html)<E> (implements java.lang.[Comparable](http://docs.google.com/java/lang/Comparable.html)<T>, java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
    - java.net.[**Authenticator.RequestorType**](http://docs.google.com/java/net/Authenticator.RequestorType.html)
    - java.net.[**Proxy.Type**](http://docs.google.com/java/net/Proxy.Type.html)

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | Class | Use | **Tree** | [**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**](http://docs.google.com/java/math/package-tree.html)   [**NEXT**](http://docs.google.com/java/nio/package-tree.html) | [**FRAMES**](http://docs.google.com/index.html?java/net/package-tree.html)    [**NO FRAMES**](http://docs.google.com/package-tree.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[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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