| | [**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/lang/management/package-tree.html)   [**NEXT**](http://docs.google.com/java/lang/reflect/package-tree.html) | [**FRAMES**](http://docs.google.com/index.html?java/lang/ref/package-tree.html)    [**NO FRAMES**](http://docs.google.com/package-tree.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

Hierarchy For Package java.lang.ref

**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.lang.ref.[**Reference**](http://docs.google.com/java/lang/ref/Reference.html)<T>
    - java.lang.ref.[**PhantomReference**](http://docs.google.com/java/lang/ref/PhantomReference.html)<T>
    - java.lang.ref.[**SoftReference**](http://docs.google.com/java/lang/ref/SoftReference.html)<T>
    - java.lang.ref.[**WeakReference**](http://docs.google.com/java/lang/ref/WeakReference.html)<T>
  + java.lang.ref.[**ReferenceQueue**](http://docs.google.com/java/lang/ref/ReferenceQueue.html)<T>

| | [**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/lang/management/package-tree.html)   [**NEXT**](http://docs.google.com/java/lang/reflect/package-tree.html) | [**FRAMES**](http://docs.google.com/index.html?java/lang/ref/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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