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

**Uses of Class**

**java.nio.channels.SelectionKey**

| Packages that use [SelectionKey](http://docs.google.com/java/nio/channels/SelectionKey.html) | |
| --- | --- |
| [**java.nio.channels**](#3znysh7) | Defines channels, which represent connections to entities that are capable of performing I/O operations, such as files and sockets; defines selectors, for multiplexed, non-blocking I/O operations. |
| [**java.nio.channels.spi**](#2et92p0) | Service-provider classes for the [java.nio.channels](http://docs.google.com/java/nio/channels/package-summary.html) package. |

| Uses of [SelectionKey](http://docs.google.com/java/nio/channels/SelectionKey.html) in [java.nio.channels](http://docs.google.com/java/nio/channels/package-summary.html) | |
| --- | --- |

| Methods in [java.nio.channels](http://docs.google.com/java/nio/channels/package-summary.html) that return [SelectionKey](http://docs.google.com/java/nio/channels/SelectionKey.html) | |
| --- | --- |
| abstract  [SelectionKey](http://docs.google.com/java/nio/channels/SelectionKey.html) | **SelectionKey.**[**interestOps**](http://docs.google.com/java/nio/channels/SelectionKey.html#interestOps(int))(int ops)            Sets this key's interest set to the given value. |
| abstract  [SelectionKey](http://docs.google.com/java/nio/channels/SelectionKey.html) | **SelectableChannel.**[**keyFor**](http://docs.google.com/java/nio/channels/SelectableChannel.html#keyFor(java.nio.channels.Selector))([Selector](http://docs.google.com/java/nio/channels/Selector.html) sel)            Retrieves the key representing the channel's registration with the given selector. |
| [SelectionKey](http://docs.google.com/java/nio/channels/SelectionKey.html) | **SelectableChannel.**[**register**](http://docs.google.com/java/nio/channels/SelectableChannel.html#register(java.nio.channels.Selector,%20int))([Selector](http://docs.google.com/java/nio/channels/Selector.html) sel, int ops)            Registers this channel with the given selector, returning a selection key. |
| abstract  [SelectionKey](http://docs.google.com/java/nio/channels/SelectionKey.html) | **SelectableChannel.**[**register**](http://docs.google.com/java/nio/channels/SelectableChannel.html#register(java.nio.channels.Selector,%20int,%20java.lang.Object))([Selector](http://docs.google.com/java/nio/channels/Selector.html) sel, int ops, [Object](http://docs.google.com/java/lang/Object.html) att)            Registers this channel with the given selector, returning a selection key. |

| Methods in [java.nio.channels](http://docs.google.com/java/nio/channels/package-summary.html) that return types with arguments of type [SelectionKey](http://docs.google.com/java/nio/channels/SelectionKey.html) | |
| --- | --- |
| abstract  [Set](http://docs.google.com/java/util/Set.html)<[SelectionKey](http://docs.google.com/java/nio/channels/SelectionKey.html)> | **Selector.**[**keys**](http://docs.google.com/java/nio/channels/Selector.html#keys())()            Returns this selector's key set. |
| abstract  [Set](http://docs.google.com/java/util/Set.html)<[SelectionKey](http://docs.google.com/java/nio/channels/SelectionKey.html)> | **Selector.**[**selectedKeys**](http://docs.google.com/java/nio/channels/Selector.html#selectedKeys())()            Returns this selector's selected-key set. |

| Uses of [SelectionKey](http://docs.google.com/java/nio/channels/SelectionKey.html) in [java.nio.channels.spi](http://docs.google.com/java/nio/channels/spi/package-summary.html) | |
| --- | --- |

| Subclasses of [SelectionKey](http://docs.google.com/java/nio/channels/SelectionKey.html) in [java.nio.channels.spi](http://docs.google.com/java/nio/channels/spi/package-summary.html) | |
| --- | --- |
| class | [**AbstractSelectionKey**](http://docs.google.com/java/nio/channels/spi/AbstractSelectionKey.html)            Base implementation class for selection keys. |

| Methods in [java.nio.channels.spi](http://docs.google.com/java/nio/channels/spi/package-summary.html) that return [SelectionKey](http://docs.google.com/java/nio/channels/SelectionKey.html) | |
| --- | --- |
| [SelectionKey](http://docs.google.com/java/nio/channels/SelectionKey.html) | **AbstractSelectableChannel.**[**keyFor**](http://docs.google.com/java/nio/channels/spi/AbstractSelectableChannel.html#keyFor(java.nio.channels.Selector))([Selector](http://docs.google.com/java/nio/channels/Selector.html) sel) |
| protected abstract  [SelectionKey](http://docs.google.com/java/nio/channels/SelectionKey.html) | **AbstractSelector.**[**register**](http://docs.google.com/java/nio/channels/spi/AbstractSelector.html#register(java.nio.channels.spi.AbstractSelectableChannel,%20int,%20java.lang.Object))([AbstractSelectableChannel](http://docs.google.com/java/nio/channels/spi/AbstractSelectableChannel.html) ch, int ops, [Object](http://docs.google.com/java/lang/Object.html) att)            Registers the given channel with this selector. |
| [SelectionKey](http://docs.google.com/java/nio/channels/SelectionKey.html) | **AbstractSelectableChannel.**[**register**](http://docs.google.com/java/nio/channels/spi/AbstractSelectableChannel.html#register(java.nio.channels.Selector,%20int,%20java.lang.Object))([Selector](http://docs.google.com/java/nio/channels/Selector.html) sel, int ops, [Object](http://docs.google.com/java/lang/Object.html) att)            Registers this channel with the given selector, returning a selection key. |

| Methods in [java.nio.channels.spi](http://docs.google.com/java/nio/channels/spi/package-summary.html) that return types with arguments of type [SelectionKey](http://docs.google.com/java/nio/channels/SelectionKey.html) | |
| --- | --- |
| protected  [Set](http://docs.google.com/java/util/Set.html)<[SelectionKey](http://docs.google.com/java/nio/channels/SelectionKey.html)> | **AbstractSelector.**[**cancelledKeys**](http://docs.google.com/java/nio/channels/spi/AbstractSelector.html#cancelledKeys())()            Retrieves this selector's cancelled-key set. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/nio/channels/SelectionKey.html) | **Use** | [**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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