| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/AbstractSelectionKey.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/nio/channels/spi/AbstractSelectableChannel.html)   [**NEXT CLASS**](http://docs.google.com/java/nio/channels/spi/AbstractSelector.html) | [**FRAMES**](http://docs.google.com/index.html?java/nio/channels/spi/AbstractSelectionKey.html)    [**NO FRAMES**](http://docs.google.com/AbstractSelectionKey.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#2s8eyo1) | [METHOD](#3rdcrjn) |

## **java.nio.channels.spi**

Class AbstractSelectionKey

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [java.nio.channels.SelectionKey](http://docs.google.com/java/nio/channels/SelectionKey.html)  
 **java.nio.channels.spi.AbstractSelectionKey**

public abstract class **AbstractSelectionKey**extends [SelectionKey](http://docs.google.com/java/nio/channels/SelectionKey.html)

Base implementation class for selection keys.

This class tracks the validity of the key and implements cancellation.

**Since:** 1.4

| **Field Summary** | |
| --- | --- |

| **Fields inherited from class java.nio.channels.**[**SelectionKey**](http://docs.google.com/java/nio/channels/SelectionKey.html) |
| --- |
| [OP\_ACCEPT](http://docs.google.com/java/nio/channels/SelectionKey.html#OP_ACCEPT), [OP\_CONNECT](http://docs.google.com/java/nio/channels/SelectionKey.html#OP_CONNECT), [OP\_READ](http://docs.google.com/java/nio/channels/SelectionKey.html#OP_READ), [OP\_WRITE](http://docs.google.com/java/nio/channels/SelectionKey.html#OP_WRITE) |

| **Constructor Summary** | |
| --- | --- |
| protected | [**AbstractSelectionKey**](http://docs.google.com/java/nio/channels/spi/AbstractSelectionKey.html#AbstractSelectionKey())()            Initializes a new instance of this class. |

| **Method Summary** | |
| --- | --- |
| void | [**cancel**](http://docs.google.com/java/nio/channels/spi/AbstractSelectionKey.html#cancel())()            Cancels this key. |
| boolean | [**isValid**](http://docs.google.com/java/nio/channels/spi/AbstractSelectionKey.html#isValid())()            Tells whether or not this key is valid. |

| **Methods inherited from class java.nio.channels.**[**SelectionKey**](http://docs.google.com/java/nio/channels/SelectionKey.html) |
| --- |
| [attach](http://docs.google.com/java/nio/channels/SelectionKey.html#attach(java.lang.Object)), [attachment](http://docs.google.com/java/nio/channels/SelectionKey.html#attachment()), [channel](http://docs.google.com/java/nio/channels/SelectionKey.html#channel()), [interestOps](http://docs.google.com/java/nio/channels/SelectionKey.html#interestOps()), [interestOps](http://docs.google.com/java/nio/channels/SelectionKey.html#interestOps(int)), [isAcceptable](http://docs.google.com/java/nio/channels/SelectionKey.html#isAcceptable()), [isConnectable](http://docs.google.com/java/nio/channels/SelectionKey.html#isConnectable()), [isReadable](http://docs.google.com/java/nio/channels/SelectionKey.html#isReadable()), [isWritable](http://docs.google.com/java/nio/channels/SelectionKey.html#isWritable()), [readyOps](http://docs.google.com/java/nio/channels/SelectionKey.html#readyOps()), [selector](http://docs.google.com/java/nio/channels/SelectionKey.html#selector()) |

| **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** |
| --- |

### AbstractSelectionKey

protected **AbstractSelectionKey**()

Initializes a new instance of this class.

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

### isValid

public final boolean **isValid**()

**Description copied from class:** [**SelectionKey**](http://docs.google.com/java/nio/channels/SelectionKey.html#isValid()) Tells whether or not this key is valid.

A key is valid upon creation and remains so until it is cancelled, its channel is closed, or its selector is closed.

**Specified by:**[isValid](http://docs.google.com/java/nio/channels/SelectionKey.html#isValid()) in class [SelectionKey](http://docs.google.com/java/nio/channels/SelectionKey.html) **Returns:**true if, and only if, this key is valid

### cancel

public final void **cancel**()

Cancels this key.

If this key has not yet been cancelled then it is added to its selector's cancelled-key set while synchronized on that set.

**Specified by:**[cancel](http://docs.google.com/java/nio/channels/SelectionKey.html#cancel()) in class [SelectionKey](http://docs.google.com/java/nio/channels/SelectionKey.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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