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

## **javax.sound.midi.spi**

Class MidiDeviceProvider

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.sound.midi.spi.MidiDeviceProvider**

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

A MidiDeviceProvider is a factory or provider for a particular type of MIDI device. This mechanism allows the implementation to determine how resources are managed in the creation and management of a device.

| **Constructor Summary** | |
| --- | --- |
| [**MidiDeviceProvider**](http://docs.google.com/javax/sound/midi/spi/MidiDeviceProvider.html#MidiDeviceProvider())() |

| **Method Summary** | |
| --- | --- |
| abstract  [MidiDevice](http://docs.google.com/javax/sound/midi/MidiDevice.html) | [**getDevice**](http://docs.google.com/javax/sound/midi/spi/MidiDeviceProvider.html#getDevice(javax.sound.midi.MidiDevice.Info))([MidiDevice.Info](http://docs.google.com/javax/sound/midi/MidiDevice.Info.html) info)            Obtains an instance of the device represented by the info object. |
| abstract  [MidiDevice.Info](http://docs.google.com/javax/sound/midi/MidiDevice.Info.html)[] | [**getDeviceInfo**](http://docs.google.com/javax/sound/midi/spi/MidiDeviceProvider.html#getDeviceInfo())()            Obtains the set of info objects representing the device or devices provided by this MidiDeviceProvider. |
| boolean | [**isDeviceSupported**](http://docs.google.com/javax/sound/midi/spi/MidiDeviceProvider.html#isDeviceSupported(javax.sound.midi.MidiDevice.Info))([MidiDevice.Info](http://docs.google.com/javax/sound/midi/MidiDevice.Info.html) info)            Indicates whether the device provider supports the device represented by the specified device info object. |

| **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** |
| --- |

### MidiDeviceProvider

public **MidiDeviceProvider**()

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

### isDeviceSupported

public boolean **isDeviceSupported**([MidiDevice.Info](http://docs.google.com/javax/sound/midi/MidiDevice.Info.html) info)

Indicates whether the device provider supports the device represented by the specified device info object.

**Parameters:**info - an info object that describes the device for which support is queried **Returns:**true if the specified device is supported, otherwise false

### getDeviceInfo

public abstract [MidiDevice.Info](http://docs.google.com/javax/sound/midi/MidiDevice.Info.html)[] **getDeviceInfo**()

Obtains the set of info objects representing the device or devices provided by this MidiDeviceProvider.

**Returns:**set of device info objects

### getDevice

public abstract [MidiDevice](http://docs.google.com/javax/sound/midi/MidiDevice.html) **getDevice**([MidiDevice.Info](http://docs.google.com/javax/sound/midi/MidiDevice.Info.html) info)

Obtains an instance of the device represented by the info object.

**Parameters:**info - an info object that describes the desired device **Returns:**device instance **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if the info object specified does not match the info object for a device supported by this MidiDeviceProvider.

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

[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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