| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/IIOServiceProvider.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/javax/imageio/spi/IIORegistry.html)   [**NEXT CLASS**](http://docs.google.com/javax/imageio/spi/ImageInputStreamSpi.html) | [**FRAMES**](http://docs.google.com/index.html?javax/imageio/spi/IIOServiceProvider.html)    [**NO FRAMES**](http://docs.google.com/IIOServiceProvider.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#17dp8vu) | [METHOD](#lnxbz9) |

## **javax.imageio.spi**

Class IIOServiceProvider

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.imageio.spi.IIOServiceProvider**

**All Implemented Interfaces:** [RegisterableService](http://docs.google.com/javax/imageio/spi/RegisterableService.html) **Direct Known Subclasses:** [ImageInputStreamSpi](http://docs.google.com/javax/imageio/spi/ImageInputStreamSpi.html), [ImageOutputStreamSpi](http://docs.google.com/javax/imageio/spi/ImageOutputStreamSpi.html), [ImageReaderWriterSpi](http://docs.google.com/javax/imageio/spi/ImageReaderWriterSpi.html), [ImageTranscoderSpi](http://docs.google.com/javax/imageio/spi/ImageTranscoderSpi.html)

public abstract class **IIOServiceProvider**extends [Object](http://docs.google.com/java/lang/Object.html)implements [RegisterableService](http://docs.google.com/javax/imageio/spi/RegisterableService.html)

A superinterface for functionality common to all Image I/O service provider interfaces (SPIs). For more information on service provider classes, see the class comment for the IIORegistry class.

**See Also:**[IIORegistry](http://docs.google.com/javax/imageio/spi/IIORegistry.html), [ImageReaderSpi](http://docs.google.com/javax/imageio/spi/ImageReaderSpi.html), [ImageWriterSpi](http://docs.google.com/javax/imageio/spi/ImageWriterSpi.html), [ImageTranscoderSpi](http://docs.google.com/javax/imageio/spi/ImageTranscoderSpi.html), [ImageInputStreamSpi](http://docs.google.com/javax/imageio/spi/ImageInputStreamSpi.html)

| **Field Summary** | |
| --- | --- |
| protected  [String](http://docs.google.com/java/lang/String.html) | [**vendorName**](http://docs.google.com/javax/imageio/spi/IIOServiceProvider.html#vendorName)            A String to be returned from getVendorName, initially null. |
| protected  [String](http://docs.google.com/java/lang/String.html) | [**version**](http://docs.google.com/javax/imageio/spi/IIOServiceProvider.html#version)            A String to be returned from getVersion, initially null. |

| **Constructor Summary** | |
| --- | --- |
| [**IIOServiceProvider**](http://docs.google.com/javax/imageio/spi/IIOServiceProvider.html#IIOServiceProvider())()            Constructs a blank IIOServiceProvider. |
| [**IIOServiceProvider**](http://docs.google.com/javax/imageio/spi/IIOServiceProvider.html#IIOServiceProvider(java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) vendorName, [String](http://docs.google.com/java/lang/String.html) version)            Constructs an IIOServiceProvider with a given vendor name and version identifier. |

| **Method Summary** | |
| --- | --- |
| abstract  [String](http://docs.google.com/java/lang/String.html) | [**getDescription**](http://docs.google.com/javax/imageio/spi/IIOServiceProvider.html#getDescription(java.util.Locale))([Locale](http://docs.google.com/java/util/Locale.html) locale)            Returns a brief, human-readable description of this service provider and its associated implementation. |
| [String](http://docs.google.com/java/lang/String.html) | [**getVendorName**](http://docs.google.com/javax/imageio/spi/IIOServiceProvider.html#getVendorName())()            Returns the name of the vendor responsible for creating this service provider and its associated implementation. |
| [String](http://docs.google.com/java/lang/String.html) | [**getVersion**](http://docs.google.com/javax/imageio/spi/IIOServiceProvider.html#getVersion())()            Returns a string describing the version number of this service provider and its associated implementation. |
| void | [**onDeregistration**](http://docs.google.com/javax/imageio/spi/IIOServiceProvider.html#onDeregistration(javax.imageio.spi.ServiceRegistry,%20java.lang.Class))([ServiceRegistry](http://docs.google.com/javax/imageio/spi/ServiceRegistry.html) registry, [Class](http://docs.google.com/java/lang/Class.html)<?> category)            A callback that will be whenever the Spi class has been deregistered from a ServiceRegistry. |
| void | [**onRegistration**](http://docs.google.com/javax/imageio/spi/IIOServiceProvider.html#onRegistration(javax.imageio.spi.ServiceRegistry,%20java.lang.Class))([ServiceRegistry](http://docs.google.com/javax/imageio/spi/ServiceRegistry.html) registry, [Class](http://docs.google.com/java/lang/Class.html)<?> category)            A callback that will be called exactly once after the Spi class has been instantiated and registered in a ServiceRegistry. |

| **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)) |

| **Field Detail** |
| --- |

### vendorName

protected [String](http://docs.google.com/java/lang/String.html) **vendorName**

A String to be returned from getVendorName, initially null. Constructors should set this to a non-null value.

### version

protected [String](http://docs.google.com/java/lang/String.html) **version**

A String to be returned from getVersion, initially null. Constructors should set this to a non-null value.

| **Constructor Detail** |
| --- |

### IIOServiceProvider

public **IIOServiceProvider**([String](http://docs.google.com/java/lang/String.html) vendorName,  
 [String](http://docs.google.com/java/lang/String.html) version)

Constructs an IIOServiceProvider with a given vendor name and version identifier.

**Parameters:**vendorName - the vendor name.version - a version identifier. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if vendorName is null. [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if version is null.

### IIOServiceProvider

public **IIOServiceProvider**()

Constructs a blank IIOServiceProvider. It is up to the subclass to initialize instance variables and/or override method implementations in order to ensure that the getVendorName and getVersion methods will return non-null values.

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

### onRegistration

public void **onRegistration**([ServiceRegistry](http://docs.google.com/javax/imageio/spi/ServiceRegistry.html) registry,  
 [Class](http://docs.google.com/java/lang/Class.html)<?> category)

A callback that will be called exactly once after the Spi class has been instantiated and registered in a ServiceRegistry. This may be used to verify that the environment is suitable for this service, for example that native libraries can be loaded. If the service cannot function in the environment where it finds itself, it should deregister itself from the registry.

Only the registry should call this method.

The default implementation does nothing.

**Specified by:**[onRegistration](http://docs.google.com/javax/imageio/spi/RegisterableService.html#onRegistration(javax.imageio.spi.ServiceRegistry,%20java.lang.Class)) in interface [RegisterableService](http://docs.google.com/javax/imageio/spi/RegisterableService.html) **Parameters:**registry - a ServiceRegistry where this object has been registered.category - a Class object indicating the registry category under which this object has been registered.**See Also:**[ServiceRegistry.registerServiceProvider(Object provider)](http://docs.google.com/javax/imageio/spi/ServiceRegistry.html#registerServiceProvider(java.lang.Object))

### onDeregistration

public void **onDeregistration**([ServiceRegistry](http://docs.google.com/javax/imageio/spi/ServiceRegistry.html) registry,  
 [Class](http://docs.google.com/java/lang/Class.html)<?> category)

A callback that will be whenever the Spi class has been deregistered from a ServiceRegistry.

Only the registry should call this method.

The default implementation does nothing.

**Specified by:**[onDeregistration](http://docs.google.com/javax/imageio/spi/RegisterableService.html#onDeregistration(javax.imageio.spi.ServiceRegistry,%20java.lang.Class)) in interface [RegisterableService](http://docs.google.com/javax/imageio/spi/RegisterableService.html) **Parameters:**registry - a ServiceRegistry from which this object is being (wholly or partially) deregistered.category - a Class object indicating the registry category from which this object is being deregistered.**See Also:**[ServiceRegistry.deregisterServiceProvider(Object provider)](http://docs.google.com/javax/imageio/spi/ServiceRegistry.html#deregisterServiceProvider(java.lang.Object))

### getVendorName

public [String](http://docs.google.com/java/lang/String.html) **getVendorName**()

Returns the name of the vendor responsible for creating this service provider and its associated implementation. Because the vendor name may be used to select a service provider, it is not localized.

The default implementation returns the value of the vendorName instance variable.

**Returns:**a non-null String containing the name of the vendor.

### getVersion

public [String](http://docs.google.com/java/lang/String.html) **getVersion**()

Returns a string describing the version number of this service provider and its associated implementation. Because the version may be used by transcoders to identify the service providers they understand, this method is not localized.

The default implementation returns the value of the version instance variable.

**Returns:**a non-null String containing the version of this service provider.

### getDescription

public abstract [String](http://docs.google.com/java/lang/String.html) **getDescription**([Locale](http://docs.google.com/java/util/Locale.html) locale)

Returns a brief, human-readable description of this service provider and its associated implementation. The resulting string should be localized for the supplied Locale, if possible.

**Parameters:**locale - a Locale for which the return value should be localized. **Returns:**a String containing a description of this service provider.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/IIOServiceProvider.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/javax/imageio/spi/IIORegistry.html)   [**NEXT CLASS**](http://docs.google.com/javax/imageio/spi/ImageInputStreamSpi.html) | [**FRAMES**](http://docs.google.com/index.html?javax/imageio/spi/IIOServiceProvider.html)    [**NO FRAMES**](http://docs.google.com/IIOServiceProvider.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#17dp8vu) | [METHOD](#lnxbz9) |

[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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