| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/IIOMetadataController.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/metadata/IIOMetadata.html)   [**NEXT CLASS**](http://docs.google.com/javax/imageio/metadata/IIOMetadataFormat.html) | [**FRAMES**](http://docs.google.com/index.html?javax/imageio/metadata/IIOMetadataController.html)    [**NO FRAMES**](http://docs.google.com/IIOMetadataController.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

## **javax.imageio.metadata**

Interface IIOMetadataController

public interface **IIOMetadataController**

An interface to be implemented by objects that can determine the settings of an IIOMetadata object, either by putting up a GUI to obtain values from a user, or by other means. This interface merely specifies a generic activate method that invokes the controller, without regard for how the controller obtains values (*i.e.*, whether the controller puts up a GUI or merely computes a set of values is irrelevant to this interface).

Within the activate method, a controller obtains initial values by querying the IIOMetadata object's settings, either using the XML DOM tree or a plug-in specific interface, modifies values by whatever means, then modifies the IIOMetadata object's settings, using either the setFromTree or mergeTree methods, or a plug-in specific interface. In general, applications may expect that when the activate method returns true, the IIOMetadata object is ready for use in a write operation.

Vendors may choose to provide GUIs for the IIOMetadata subclasses they define for a particular plug-in. These can be set up as default controllers in the corresponding IIOMetadata subclasses.

Alternatively, an algorithmic process such as a database lookup or the parsing of a command line could be used as a controller, in which case the activate method would simply look up or compute the settings, call methods on IIOMetadata to set its state, and return true.

**See Also:**[IIOMetadata.setController(javax.imageio.metadata.IIOMetadataController)](http://docs.google.com/javax/imageio/metadata/IIOMetadata.html#setController(javax.imageio.metadata.IIOMetadataController)), [IIOMetadata.getController()](http://docs.google.com/javax/imageio/metadata/IIOMetadata.html#getController()), [IIOMetadata.getDefaultController()](http://docs.google.com/javax/imageio/metadata/IIOMetadata.html#getDefaultController()), [IIOMetadata.hasController()](http://docs.google.com/javax/imageio/metadata/IIOMetadata.html#hasController()), [IIOMetadata.activateController()](http://docs.google.com/javax/imageio/metadata/IIOMetadata.html#activateController())

| **Method Summary** | |
| --- | --- |
| boolean | [**activate**](http://docs.google.com/javax/imageio/metadata/IIOMetadataController.html#activate(javax.imageio.metadata.IIOMetadata))([IIOMetadata](http://docs.google.com/javax/imageio/metadata/IIOMetadata.html) metadata)            Activates the controller. |

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

### activate

boolean **activate**([IIOMetadata](http://docs.google.com/javax/imageio/metadata/IIOMetadata.html) metadata)

Activates the controller. If true is returned, all settings in the IIOMetadata object should be ready for use in a write operation. If false is returned, no settings in the IIOMetadata object will be disturbed (*i.e.*, the user canceled the operation).

**Parameters:**metadata - the IIOMetadata object to be modified. **Returns:**true if the IIOMetadata has been modified, false otherwise. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if metadata is null or is not an instance of the correct class.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/IIOMetadataController.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*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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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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