| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/imageio/ImageReader.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*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?javax/imageio//class-useImageReader.html)    [**NO FRAMES**](http://docs.google.com/ImageReader.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**javax.imageio.ImageReader**

| Packages that use [ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) | |
| --- | --- |
| [**javax.imageio**](#3znysh7) | The main package of the Java Image I/O API. |
| [**javax.imageio.event**](#2et92p0) | A package of the Java Image I/O API dealing with synchronous notification of events during the reading and writing of images. |
| [**javax.imageio.spi**](#tyjcwt) | A package of the Java Image I/O API containing the plug-in interfaces for readers, writers, transcoders, and streams, and a runtime registry. |

| Uses of [ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) in [javax.imageio](http://docs.google.com/javax/imageio/package-summary.html) | |
| --- | --- |

| Methods in [javax.imageio](http://docs.google.com/javax/imageio/package-summary.html) that return [ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) | |
| --- | --- |
| static [ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) | **ImageIO.**[**getImageReader**](http://docs.google.com/javax/imageio/ImageIO.html#getImageReader(javax.imageio.ImageWriter))([ImageWriter](http://docs.google.com/javax/imageio/ImageWriter.html) writer)            Returns an ImageReadercorresponding to the given ImageWriter, if there is one, or null if the plug-in for this ImageWriter does not specify a corresponding ImageReader, or if the given ImageWriter is not registered. |

| Methods in [javax.imageio](http://docs.google.com/javax/imageio/package-summary.html) that return types with arguments of type [ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) | |
| --- | --- |
| static [Iterator](http://docs.google.com/java/util/Iterator.html)<[ImageReader](http://docs.google.com/javax/imageio/ImageReader.html)> | **ImageIO.**[**getImageReaders**](http://docs.google.com/javax/imageio/ImageIO.html#getImageReaders(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) input)            Returns an Iterator containing all currently registered ImageReaders that claim to be able to decode the supplied Object, typically an ImageInputStream. |
| static [Iterator](http://docs.google.com/java/util/Iterator.html)<[ImageReader](http://docs.google.com/javax/imageio/ImageReader.html)> | **ImageIO.**[**getImageReadersByFormatName**](http://docs.google.com/javax/imageio/ImageIO.html#getImageReadersByFormatName(java.lang.String))([String](http://docs.google.com/java/lang/String.html) formatName)            Returns an Iterator containing all currently registered ImageReaders that claim to be able to decode the named format. |
| static [Iterator](http://docs.google.com/java/util/Iterator.html)<[ImageReader](http://docs.google.com/javax/imageio/ImageReader.html)> | **ImageIO.**[**getImageReadersByMIMEType**](http://docs.google.com/javax/imageio/ImageIO.html#getImageReadersByMIMEType(java.lang.String))([String](http://docs.google.com/java/lang/String.html) MIMEType)            Returns an Iterator containing all currently registered ImageReaders that claim to be able to decode files with the given MIME type. |
| static [Iterator](http://docs.google.com/java/util/Iterator.html)<[ImageReader](http://docs.google.com/javax/imageio/ImageReader.html)> | **ImageIO.**[**getImageReadersBySuffix**](http://docs.google.com/javax/imageio/ImageIO.html#getImageReadersBySuffix(java.lang.String))([String](http://docs.google.com/java/lang/String.html) fileSuffix)            Returns an Iterator containing all currently registered ImageReaders that claim to be able to decode files with the given suffix. |

| Methods in [javax.imageio](http://docs.google.com/javax/imageio/package-summary.html) with parameters of type [ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) | |
| --- | --- |
| static [Iterator](http://docs.google.com/java/util/Iterator.html)<[ImageTranscoder](http://docs.google.com/javax/imageio/ImageTranscoder.html)> | **ImageIO.**[**getImageTranscoders**](http://docs.google.com/javax/imageio/ImageIO.html#getImageTranscoders(javax.imageio.ImageReader,%20javax.imageio.ImageWriter))([ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) reader, [ImageWriter](http://docs.google.com/javax/imageio/ImageWriter.html) writer)            Returns an Iterator containing all currently registered ImageTranscoders that claim to be able to transcode between the metadata of the given ImageReader and ImageWriter. |
| static [ImageWriter](http://docs.google.com/javax/imageio/ImageWriter.html) | **ImageIO.**[**getImageWriter**](http://docs.google.com/javax/imageio/ImageIO.html#getImageWriter(javax.imageio.ImageReader))([ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) reader)            Returns an ImageWritercorresponding to the given ImageReader, if there is one, or null if the plug-in for this ImageReader does not specify a corresponding ImageWriter, or if the given ImageReader is not registered. |

| Uses of [ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) in [javax.imageio.event](http://docs.google.com/javax/imageio/event/package-summary.html) | |
| --- | --- |

| Methods in [javax.imageio.event](http://docs.google.com/javax/imageio/event/package-summary.html) with parameters of type [ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) | |
| --- | --- |
| void | **IIOReadProgressListener.**[**imageComplete**](http://docs.google.com/javax/imageio/event/IIOReadProgressListener.html#imageComplete(javax.imageio.ImageReader))([ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) source)            Reports that the current image read operation has completed. |
| void | **IIOReadProgressListener.**[**imageProgress**](http://docs.google.com/javax/imageio/event/IIOReadProgressListener.html#imageProgress(javax.imageio.ImageReader,%20float))([ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) source, float percentageDone)            Reports the approximate degree of completion of the current read call of the associated ImageReader. |
| void | **IIOReadProgressListener.**[**imageStarted**](http://docs.google.com/javax/imageio/event/IIOReadProgressListener.html#imageStarted(javax.imageio.ImageReader,%20int))([ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) source, int imageIndex)            Reports that an image read operation is beginning. |
| void | **IIOReadUpdateListener.**[**imageUpdate**](http://docs.google.com/javax/imageio/event/IIOReadUpdateListener.html#imageUpdate(javax.imageio.ImageReader,%20java.awt.image.BufferedImage,%20int,%20int,%20int,%20int,%20int,%20int,%20int%5B%5D))([ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) source, [BufferedImage](http://docs.google.com/java/awt/image/BufferedImage.html) theImage, int minX, int minY, int width, int height, int periodX, int periodY, int[] bands)            Reports that a given region of the image has been updated. |
| void | **IIOReadUpdateListener.**[**passComplete**](http://docs.google.com/javax/imageio/event/IIOReadUpdateListener.html#passComplete(javax.imageio.ImageReader,%20java.awt.image.BufferedImage))([ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) source, [BufferedImage](http://docs.google.com/java/awt/image/BufferedImage.html) theImage)            Reports that the current read operation has completed a progressive pass. |
| void | **IIOReadUpdateListener.**[**passStarted**](http://docs.google.com/javax/imageio/event/IIOReadUpdateListener.html#passStarted(javax.imageio.ImageReader,%20java.awt.image.BufferedImage,%20int,%20int,%20int,%20int,%20int,%20int,%20int,%20int%5B%5D))([ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) source, [BufferedImage](http://docs.google.com/java/awt/image/BufferedImage.html) theImage, int pass, int minPass, int maxPass, int minX, int minY, int periodX, int periodY, int[] bands)            Reports that the current read operation is about to begin a progressive pass. |
| void | **IIOReadProgressListener.**[**readAborted**](http://docs.google.com/javax/imageio/event/IIOReadProgressListener.html#readAborted(javax.imageio.ImageReader))([ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) source)            Reports that a read has been aborted via the reader's abort method. |
| void | **IIOReadProgressListener.**[**sequenceComplete**](http://docs.google.com/javax/imageio/event/IIOReadProgressListener.html#sequenceComplete(javax.imageio.ImageReader))([ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) source)            Reports that a sequence of read operationshas completed. |
| void | **IIOReadProgressListener.**[**sequenceStarted**](http://docs.google.com/javax/imageio/event/IIOReadProgressListener.html#sequenceStarted(javax.imageio.ImageReader,%20int))([ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) source, int minIndex)            Reports that a sequence of read operations is beginning. |
| void | **IIOReadProgressListener.**[**thumbnailComplete**](http://docs.google.com/javax/imageio/event/IIOReadProgressListener.html#thumbnailComplete(javax.imageio.ImageReader))([ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) source)            Reports that a thumbnail read operation has completed. |
| void | **IIOReadUpdateListener.**[**thumbnailPassComplete**](http://docs.google.com/javax/imageio/event/IIOReadUpdateListener.html#thumbnailPassComplete(javax.imageio.ImageReader,%20java.awt.image.BufferedImage))([ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) source, [BufferedImage](http://docs.google.com/java/awt/image/BufferedImage.html) theThumbnail)            Reports that the current thumbnail read operation has completed a progressive pass. |
| void | **IIOReadUpdateListener.**[**thumbnailPassStarted**](http://docs.google.com/javax/imageio/event/IIOReadUpdateListener.html#thumbnailPassStarted(javax.imageio.ImageReader,%20java.awt.image.BufferedImage,%20int,%20int,%20int,%20int,%20int,%20int,%20int,%20int%5B%5D))([ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) source, [BufferedImage](http://docs.google.com/java/awt/image/BufferedImage.html) theThumbnail, int pass, int minPass, int maxPass, int minX, int minY, int periodX, int periodY, int[] bands)            Reports that the current thumbnail read operation is about to begin a progressive pass. |
| void | **IIOReadProgressListener.**[**thumbnailProgress**](http://docs.google.com/javax/imageio/event/IIOReadProgressListener.html#thumbnailProgress(javax.imageio.ImageReader,%20float))([ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) source, float percentageDone)            Reports the approximate degree of completion of the current getThumbnail call within the associated ImageReader. |
| void | **IIOReadProgressListener.**[**thumbnailStarted**](http://docs.google.com/javax/imageio/event/IIOReadProgressListener.html#thumbnailStarted(javax.imageio.ImageReader,%20int,%20int))([ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) source, int imageIndex, int thumbnailIndex)            Reports that a thumbnail read operation is beginning. |
| void | **IIOReadUpdateListener.**[**thumbnailUpdate**](http://docs.google.com/javax/imageio/event/IIOReadUpdateListener.html#thumbnailUpdate(javax.imageio.ImageReader,%20java.awt.image.BufferedImage,%20int,%20int,%20int,%20int,%20int,%20int,%20int%5B%5D))([ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) source, [BufferedImage](http://docs.google.com/java/awt/image/BufferedImage.html) theThumbnail, int minX, int minY, int width, int height, int periodX, int periodY, int[] bands)            Reports that a given region of a thumbnail image has been updated. |
| void | **IIOReadWarningListener.**[**warningOccurred**](http://docs.google.com/javax/imageio/event/IIOReadWarningListener.html#warningOccurred(javax.imageio.ImageReader,%20java.lang.String))([ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) source, [String](http://docs.google.com/java/lang/String.html) warning)            Reports the occurence of a non-fatal error in decoding. |

| Uses of [ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) in [javax.imageio.spi](http://docs.google.com/javax/imageio/spi/package-summary.html) | |
| --- | --- |

| Methods in [javax.imageio.spi](http://docs.google.com/javax/imageio/spi/package-summary.html) that return [ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) | |
| --- | --- |
| [ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) | **ImageReaderSpi.**[**createReaderInstance**](http://docs.google.com/javax/imageio/spi/ImageReaderSpi.html#createReaderInstance())()            Returns an instance of the ImageReader implementation associated with this service provider. |
| abstract  [ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) | **ImageReaderSpi.**[**createReaderInstance**](http://docs.google.com/javax/imageio/spi/ImageReaderSpi.html#createReaderInstance(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) extension)            Returns an instance of the ImageReader implementation associated with this service provider. |

| Methods in [javax.imageio.spi](http://docs.google.com/javax/imageio/spi/package-summary.html) with parameters of type [ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) | |
| --- | --- |
| boolean | **ImageReaderSpi.**[**isOwnReader**](http://docs.google.com/javax/imageio/spi/ImageReaderSpi.html#isOwnReader(javax.imageio.ImageReader))([ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) reader)            Returns true if the ImageReader object passed in is an instance of the ImageReader associated with this service provider. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/imageio/ImageReader.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*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?javax/imageio//class-useImageReader.html)    [**NO FRAMES**](http://docs.google.com/ImageReader.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[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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