| | [**Overview**](http://docs.google.com/overview-summary.html) | **Package** | Class | [**Use**](http://docs.google.com/package-use.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 PACKAGE**](http://docs.google.com/javax/imageio/package-summary.html)   [**NEXT PACKAGE**](http://docs.google.com/javax/imageio/metadata/package-summary.html) | [**FRAMES**](http://docs.google.com/index.html?javax/imageio/event/package-summary.html)    [**NO FRAMES**](http://docs.google.com/package-summary.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

## Package javax.imageio.event

A package of the Java Image I/O API dealing with synchronous notification of events during the reading and writing of images.

**See:**

[**Description**](#3znysh7)

| **Interface Summary** | |
| --- | --- |
| [**IIOReadProgressListener**](http://docs.google.com/javax/imageio/event/IIOReadProgressListener.html) | An interface used by ImageReader implementations to notify callers of their image and thumbnail reading methods of progress. |
| [**IIOReadUpdateListener**](http://docs.google.com/javax/imageio/event/IIOReadUpdateListener.html) | An interface used by ImageReader implementations to notify callers of their image and thumbnail reading methods of pixel updates. |
| [**IIOReadWarningListener**](http://docs.google.com/javax/imageio/event/IIOReadWarningListener.html) | An interface used by ImageReader implementations to notify callers of their image and thumbnail reading methods of warnings (non-fatal errors). |
| [**IIOWriteProgressListener**](http://docs.google.com/javax/imageio/event/IIOWriteProgressListener.html) | An interface used by ImageWriter implementations to notify callers of their image writing methods of progress. |
| [**IIOWriteWarningListener**](http://docs.google.com/javax/imageio/event/IIOWriteWarningListener.html) | An interface used by ImageWriter implementations to notify callers of their image and thumbnail reading methods of warnings (non-fatal errors). |

## Package javax.imageio.event Description

A package of the Java Image I/O API dealing with synchronous notification of events during the reading and writing of images.

The IIOReadProgressListener interface allows for notification of the percentage of an image that has been read successfully.

The IIOReadUpdateListener interface allows for notification of the portions of an image that have been read. This is useful, for example, for implementing dynamic display of an image as it is loaded.

The IIOReadWarningListener interface allows for notification of non-fatal errors during reading.

The IIOWriteWarningListener and IIOWriteProgressListener interfaces perform analogous functions for writers.

**Since:** 1.4

| | [**Overview**](http://docs.google.com/overview-summary.html) | **Package** | Class | [**Use**](http://docs.google.com/package-use.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 PACKAGE**](http://docs.google.com/javax/imageio/package-summary.html)   [**NEXT PACKAGE**](http://docs.google.com/javax/imageio/metadata/package-summary.html) | [**FRAMES**](http://docs.google.com/index.html?javax/imageio/event/package-summary.html)    [**NO FRAMES**](http://docs.google.com/package-summary.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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