| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/awt/image/ImageProducer.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*** |
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| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/awt/image//class-useImageProducer.html)    [**NO FRAMES**](http://docs.google.com/ImageProducer.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Interface**

**java.awt.image.ImageProducer**

| Packages that use [ImageProducer](http://docs.google.com/java/awt/image/ImageProducer.html) | |
| --- | --- |
| [**java.awt**](#3znysh7) | Contains all of the classes for creating user interfaces and for painting graphics and images. |
| [**java.awt.image**](#2et92p0) | Provides classes for creating and modifying images. |
| [**java.awt.image.renderable**](#tyjcwt) | Provides classes and interfaces for producing rendering-independent images. |

| Uses of [ImageProducer](http://docs.google.com/java/awt/image/ImageProducer.html) in [java.awt](http://docs.google.com/java/awt/package-summary.html) | |
| --- | --- |

| Methods in [java.awt](http://docs.google.com/java/awt/package-summary.html) that return [ImageProducer](http://docs.google.com/java/awt/image/ImageProducer.html) | |
| --- | --- |
| abstract  [ImageProducer](http://docs.google.com/java/awt/image/ImageProducer.html) | **Image.**[**getSource**](http://docs.google.com/java/awt/Image.html#getSource())()            Gets the object that produces the pixels for the image. |

| Methods in [java.awt](http://docs.google.com/java/awt/package-summary.html) with parameters of type [ImageProducer](http://docs.google.com/java/awt/image/ImageProducer.html) | |
| --- | --- |
| [Image](http://docs.google.com/java/awt/Image.html) | **Component.**[**createImage**](http://docs.google.com/java/awt/Component.html#createImage(java.awt.image.ImageProducer))([ImageProducer](http://docs.google.com/java/awt/image/ImageProducer.html) producer)            Creates an image from the specified image producer. |
| abstract  [Image](http://docs.google.com/java/awt/Image.html) | **Toolkit.**[**createImage**](http://docs.google.com/java/awt/Toolkit.html#createImage(java.awt.image.ImageProducer))([ImageProducer](http://docs.google.com/java/awt/image/ImageProducer.html) producer)            Creates an image with the specified image producer. |

| Uses of [ImageProducer](http://docs.google.com/java/awt/image/ImageProducer.html) in [java.awt.image](http://docs.google.com/java/awt/image/package-summary.html) | |
| --- | --- |

| Classes in [java.awt.image](http://docs.google.com/java/awt/image/package-summary.html) that implement [ImageProducer](http://docs.google.com/java/awt/image/ImageProducer.html) | |
| --- | --- |
| class | [**FilteredImageSource**](http://docs.google.com/java/awt/image/FilteredImageSource.html)            This class is an implementation of the ImageProducer interface which takes an existing image and a filter object and uses them to produce image data for a new filtered version of the original image. |
| class | [**MemoryImageSource**](http://docs.google.com/java/awt/image/MemoryImageSource.html)            This class is an implementation of the ImageProducer interface which uses an array to produce pixel values for an Image. |

| Methods in [java.awt.image](http://docs.google.com/java/awt/image/package-summary.html) that return [ImageProducer](http://docs.google.com/java/awt/image/ImageProducer.html) | |
| --- | --- |
| [ImageProducer](http://docs.google.com/java/awt/image/ImageProducer.html) | **BufferedImage.**[**getSource**](http://docs.google.com/java/awt/image/BufferedImage.html#getSource())()            Returns the object that produces the pixels for the image. |
| [ImageProducer](http://docs.google.com/java/awt/image/ImageProducer.html) | **VolatileImage.**[**getSource**](http://docs.google.com/java/awt/image/VolatileImage.html#getSource())()            This returns an ImageProducer for this VolatileImage. |

| Methods in [java.awt.image](http://docs.google.com/java/awt/image/package-summary.html) with parameters of type [ImageProducer](http://docs.google.com/java/awt/image/ImageProducer.html) | |
| --- | --- |
| void | **ImageFilter.**[**resendTopDownLeftRight**](http://docs.google.com/java/awt/image/ImageFilter.html#resendTopDownLeftRight(java.awt.image.ImageProducer))([ImageProducer](http://docs.google.com/java/awt/image/ImageProducer.html) ip)            Responds to a request for a TopDownLeftRight (TDLR) ordered resend of the pixel data from an ImageConsumer. |

| Constructors in [java.awt.image](http://docs.google.com/java/awt/image/package-summary.html) with parameters of type [ImageProducer](http://docs.google.com/java/awt/image/ImageProducer.html) | |
| --- | --- |
| [**FilteredImageSource**](http://docs.google.com/java/awt/image/FilteredImageSource.html#FilteredImageSource(java.awt.image.ImageProducer,%20java.awt.image.ImageFilter))([ImageProducer](http://docs.google.com/java/awt/image/ImageProducer.html) orig, [ImageFilter](http://docs.google.com/java/awt/image/ImageFilter.html) imgf)            Constructs an ImageProducer object from an existing ImageProducer and a filter object. |
| [**PixelGrabber**](http://docs.google.com/java/awt/image/PixelGrabber.html#PixelGrabber(java.awt.image.ImageProducer,%20int,%20int,%20int,%20int,%20int%5B%5D,%20int,%20int))([ImageProducer](http://docs.google.com/java/awt/image/ImageProducer.html) ip, int x, int y, int w, int h, int[] pix, int off, int scansize)            Create a PixelGrabber object to grab the (x, y, w, h) rectangular section of pixels from the image produced by the specified ImageProducer into the given array. |

| Uses of [ImageProducer](http://docs.google.com/java/awt/image/ImageProducer.html) in [java.awt.image.renderable](http://docs.google.com/java/awt/image/renderable/package-summary.html) | |
| --- | --- |

| Classes in [java.awt.image.renderable](http://docs.google.com/java/awt/image/renderable/package-summary.html) that implement [ImageProducer](http://docs.google.com/java/awt/image/ImageProducer.html) | |
| --- | --- |
| class | [**RenderableImageProducer**](http://docs.google.com/java/awt/image/renderable/RenderableImageProducer.html)            An adapter class that implements ImageProducer to allow the asynchronous production of a RenderableImage. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/awt/image/ImageProducer.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*** |
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| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/awt/image//class-useImageProducer.html)    [**NO FRAMES**](http://docs.google.com/ImageProducer.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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