| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/RenderedImageFactory.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/java/awt/image/renderable/RenderContext.html)   NEXT CLASS | [**FRAMES**](http://docs.google.com/index.html?java/awt/image/renderable/RenderedImageFactory.html)    [**NO FRAMES**](http://docs.google.com/RenderedImageFactory.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

## **java.awt.image.renderable**

Interface RenderedImageFactory

**All Known Subinterfaces:** [ContextualRenderedImageFactory](http://docs.google.com/java/awt/image/renderable/ContextualRenderedImageFactory.html)

public interface **RenderedImageFactory**

The RenderedImageFactory interface (often abbreviated RIF) is intended to be implemented by classes that wish to act as factories to produce different renderings, for example by executing a series of BufferedImageOps on a set of sources, depending on a specific set of parameters, properties, and rendering hints.

| **Method Summary** | |
| --- | --- |
| [RenderedImage](http://docs.google.com/java/awt/image/RenderedImage.html) | [**create**](http://docs.google.com/java/awt/image/renderable/RenderedImageFactory.html#create(java.awt.image.renderable.ParameterBlock,%20java.awt.RenderingHints))([ParameterBlock](http://docs.google.com/java/awt/image/renderable/ParameterBlock.html) paramBlock, [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) hints)            Creates a RenderedImage representing the results of an imaging operation (or chain of operations) for a given ParameterBlock and RenderingHints. |

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

### create

[RenderedImage](http://docs.google.com/java/awt/image/RenderedImage.html) **create**([ParameterBlock](http://docs.google.com/java/awt/image/renderable/ParameterBlock.html) paramBlock,  
 [RenderingHints](http://docs.google.com/java/awt/RenderingHints.html) hints)

Creates a RenderedImage representing the results of an imaging operation (or chain of operations) for a given ParameterBlock and RenderingHints. The RIF may also query any source images referenced by the ParameterBlock for their dimensions, SampleModels, properties, etc., as necessary.

The create() method can return null if the RenderedImageFactory is not capable of producing output for the given set of source images and parameters. For example, if a RenderedImageFactory is only capable of performing a 3x3 convolution on single-banded image data, and the source image has multiple bands or the convolution Kernel is 5x5, null should be returned.

Hints should be taken into account, but can be ignored. The created RenderedImage may have a property identified by the String HINTS\_OBSERVED to indicate which RenderingHints were used to create the image. In addition any RenderedImages that are obtained via the getSources() method on the created RenderedImage may have such a property.

**Parameters:**paramBlock - a ParameterBlock containing sources and parameters for the RenderedImage to be created.hints - a RenderingHints object containing hints. **Returns:**A RenderedImage containing the desired output.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/RenderedImageFactory.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/java/awt/image/renderable/RenderContext.html)   NEXT CLASS | [**FRAMES**](http://docs.google.com/index.html?java/awt/image/renderable/RenderedImageFactory.html)    [**NO FRAMES**](http://docs.google.com/RenderedImageFactory.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

[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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