| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ImageCapabilities.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.html)   [**NEXT CLASS**](http://docs.google.com/java/awt/Insets.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/ImageCapabilities.html)    [**NO FRAMES**](http://docs.google.com/ImageCapabilities.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

## **java.awt**

Class ImageCapabilities

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **java.awt.ImageCapabilities**

**All Implemented Interfaces:** [Cloneable](http://docs.google.com/java/lang/Cloneable.html)

public class **ImageCapabilities**extends [Object](http://docs.google.com/java/lang/Object.html)implements [Cloneable](http://docs.google.com/java/lang/Cloneable.html)

Capabilities and properties of images.

**Since:** 1.4

| **Constructor Summary** | |
| --- | --- |
| [**ImageCapabilities**](http://docs.google.com/java/awt/ImageCapabilities.html#ImageCapabilities(boolean))(boolean accelerated)            Creates a new object for specifying image capabilities. |

| **Method Summary** | |
| --- | --- |
| [Object](http://docs.google.com/java/lang/Object.html) | [**clone**](http://docs.google.com/java/awt/ImageCapabilities.html#clone())()            Creates and returns a copy of this object. |
| boolean | [**isAccelerated**](http://docs.google.com/java/awt/ImageCapabilities.html#isAccelerated())()            Returns true if the object whose capabilities are encapsulated in this ImageCapabilities can be or is accelerated. |
| boolean | [**isTrueVolatile**](http://docs.google.com/java/awt/ImageCapabilities.html#isTrueVolatile())()            Returns true if the VolatileImage described by this ImageCapabilities can lose its surfaces. |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [hashCode](http://docs.google.com/java/lang/Object.html#hashCode()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [toString](http://docs.google.com/java/lang/Object.html#toString()), [wait](http://docs.google.com/java/lang/Object.html#wait()), [wait](http://docs.google.com/java/lang/Object.html#wait(long)), [wait](http://docs.google.com/java/lang/Object.html#wait(long,%20int)) |

| **Constructor Detail** |
| --- |

### ImageCapabilities

public **ImageCapabilities**(boolean accelerated)

Creates a new object for specifying image capabilities.

**Parameters:**accelerated - whether or not an accelerated image is desired

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

### isAccelerated

public boolean **isAccelerated**()

Returns true if the object whose capabilities are encapsulated in this ImageCapabilities can be or is accelerated.

**Returns:**whether or not an image can be, or is, accelerated. There are various platform-specific ways to accelerate an image, including pixmaps, VRAM, AGP. This is the general acceleration method (as opposed to residing in system memory).

### isTrueVolatile

public boolean **isTrueVolatile**()

Returns true if the VolatileImage described by this ImageCapabilities can lose its surfaces.

**Returns:**whether or not a volatile image is subject to losing its surfaces at the whim of the operating system.

### clone

public [Object](http://docs.google.com/java/lang/Object.html) **clone**()

**Description copied from class:** [**Object**](http://docs.google.com/java/lang/Object.html#clone()) Creates and returns a copy of this object. The precise meaning of "copy" may depend on the class of the object. The general intent is that, for any object x, the expression:

x.clone() != x

will be true, and that the expression:

x.clone().getClass() == x.getClass()

will be true, but these are not absolute requirements. While it is typically the case that:

x.clone().equals(x)

will be true, this is not an absolute requirement.

By convention, the returned object should be obtained by calling super.clone. If a class and all of its superclasses (except Object) obey this convention, it will be the case that x.clone().getClass() == x.getClass().

By convention, the object returned by this method should be independent of this object (which is being cloned). To achieve this independence, it may be necessary to modify one or more fields of the object returned by super.clone before returning it. Typically, this means copying any mutable objects that comprise the internal "deep structure" of the object being cloned and replacing the references to these objects with references to the copies. If a class contains only primitive fields or references to immutable objects, then it is usually the case that no fields in the object returned by super.clone need to be modified.

The method clone for class Object performs a specific cloning operation. First, if the class of this object does not implement the interface Cloneable, then a CloneNotSupportedException is thrown. Note that all arrays are considered to implement the interface Cloneable. Otherwise, this method creates a new instance of the class of this object and initializes all its fields with exactly the contents of the corresponding fields of this object, as if by assignment; the contents of the fields are not themselves cloned. Thus, this method performs a "shallow copy" of this object, not a "deep copy" operation.

The class Object does not itself implement the interface Cloneable, so calling the clone method on an object whose class is Object will result in throwing an exception at run time.

**Overrides:**[clone](http://docs.google.com/java/lang/Object.html#clone()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**a copy of this ImageCapabilities object.**See Also:**[Cloneable](http://docs.google.com/java/lang/Cloneable.html)

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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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