| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/MetalIconFactory.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/javax/swing/plaf/metal/MetalFileChooserUI.SingleClickListener.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.FileIcon16.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/plaf/metal/MetalIconFactory.html)    [**NO FRAMES**](http://docs.google.com/MetalIconFactory.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: [FIELD](#4d34og8) | [CONSTR](#3rdcrjn) | [METHOD](#lnxbz9) |

## **javax.swing.plaf.metal**

Class MetalIconFactory

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.swing.plaf.metal.MetalIconFactory**

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

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

Factory object that vends Icons for the JavaTM look and feel (Metal). These icons are used extensively in Metal via the defaults mechanism. While other look and feels often use GIFs for icons, creating icons in code facilitates switching to other themes.

Each method in this class returns either an Icon or null, where null implies that there is no default icon.

**Warning:** Serialized objects of this class will not be compatible with future Swing releases. The current serialization support is appropriate for short term storage or RMI between applications running the same version of Swing. As of 1.4, support for long term storage of all JavaBeansTM has been added to the java.beans package. Please see [XMLEncoder](http://docs.google.com/java/beans/XMLEncoder.html).

| **Nested Class Summary** | |
| --- | --- |
| static class | [**MetalIconFactory.FileIcon16**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.FileIcon16.html)  **Warning:** Serialized objects of this class will not be compatible with future Swing releases. |
| static class | [**MetalIconFactory.FolderIcon16**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.FolderIcon16.html)  **Warning:** Serialized objects of this class will not be compatible with future Swing releases. |
| static class | [**MetalIconFactory.PaletteCloseIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.PaletteCloseIcon.html)            Defines an icon for Palette close |
| static class | [**MetalIconFactory.TreeControlIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.TreeControlIcon.html)  **Warning:** Serialized objects of this class will not be compatible with future Swing releases. |
| static class | [**MetalIconFactory.TreeFolderIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.TreeFolderIcon.html)  **Warning:** Serialized objects of this class will not be compatible with future Swing releases. |
| static class | [**MetalIconFactory.TreeLeafIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.TreeLeafIcon.html) |

| **Field Summary** | |
| --- | --- |
| static boolean | [**DARK**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#DARK) |
| static boolean | [**LIGHT**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#LIGHT) |

| **Constructor Summary** | |
| --- | --- |
| [**MetalIconFactory**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#MetalIconFactory())() |

| **Method Summary** | |
| --- | --- |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | [**getCheckBoxIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getCheckBoxIcon())()            Returns a checkbox icon. |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | [**getCheckBoxMenuItemIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getCheckBoxMenuItemIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | [**getFileChooserDetailViewIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getFileChooserDetailViewIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | [**getFileChooserHomeFolderIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getFileChooserHomeFolderIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | [**getFileChooserListViewIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getFileChooserListViewIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | [**getFileChooserNewFolderIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getFileChooserNewFolderIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | [**getFileChooserUpFolderIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getFileChooserUpFolderIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | [**getHorizontalSliderThumbIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getHorizontalSliderThumbIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | [**getInternalFrameAltMaximizeIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getInternalFrameAltMaximizeIcon(int))(int size) |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | [**getInternalFrameCloseIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getInternalFrameCloseIcon(int))(int size) |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | [**getInternalFrameDefaultMenuIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getInternalFrameDefaultMenuIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | [**getInternalFrameMaximizeIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getInternalFrameMaximizeIcon(int))(int size) |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | [**getInternalFrameMinimizeIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getInternalFrameMinimizeIcon(int))(int size) |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | [**getMenuArrowIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getMenuArrowIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | [**getMenuItemArrowIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getMenuItemArrowIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | [**getMenuItemCheckIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getMenuItemCheckIcon())()            Returns an icon to be used by JCheckBoxMenuItem. |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | [**getRadioButtonIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getRadioButtonIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | [**getRadioButtonMenuItemIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getRadioButtonMenuItemIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | [**getTreeComputerIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getTreeComputerIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | [**getTreeControlIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getTreeControlIcon(boolean))(boolean isCollapsed) |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | [**getTreeFloppyDriveIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getTreeFloppyDriveIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | [**getTreeFolderIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getTreeFolderIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | [**getTreeHardDriveIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getTreeHardDriveIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | [**getTreeLeafIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getTreeLeafIcon())() |
| static [Icon](http://docs.google.com/javax/swing/Icon.html) | [**getVerticalSliderThumbIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.html#getVerticalSliderThumbIcon())() |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [clone](http://docs.google.com/java/lang/Object.html#clone()), [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)) |

| **Field Detail** |
| --- |

### DARK

public static final boolean **DARK**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.swing.plaf.metal.MetalIconFactory.DARK)

### LIGHT

public static final boolean **LIGHT**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.swing.plaf.metal.MetalIconFactory.LIGHT)

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

### MetalIconFactory

public **MetalIconFactory**()

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

### getFileChooserDetailViewIcon

public static [Icon](http://docs.google.com/javax/swing/Icon.html) **getFileChooserDetailViewIcon**()

### getFileChooserHomeFolderIcon

public static [Icon](http://docs.google.com/javax/swing/Icon.html) **getFileChooserHomeFolderIcon**()

### getFileChooserListViewIcon

public static [Icon](http://docs.google.com/javax/swing/Icon.html) **getFileChooserListViewIcon**()

### getFileChooserNewFolderIcon

public static [Icon](http://docs.google.com/javax/swing/Icon.html) **getFileChooserNewFolderIcon**()

### getFileChooserUpFolderIcon

public static [Icon](http://docs.google.com/javax/swing/Icon.html) **getFileChooserUpFolderIcon**()

### getInternalFrameAltMaximizeIcon

public static [Icon](http://docs.google.com/javax/swing/Icon.html) **getInternalFrameAltMaximizeIcon**(int size)

### getInternalFrameCloseIcon

public static [Icon](http://docs.google.com/javax/swing/Icon.html) **getInternalFrameCloseIcon**(int size)

### getInternalFrameDefaultMenuIcon

public static [Icon](http://docs.google.com/javax/swing/Icon.html) **getInternalFrameDefaultMenuIcon**()

### getInternalFrameMaximizeIcon

public static [Icon](http://docs.google.com/javax/swing/Icon.html) **getInternalFrameMaximizeIcon**(int size)

### getInternalFrameMinimizeIcon

public static [Icon](http://docs.google.com/javax/swing/Icon.html) **getInternalFrameMinimizeIcon**(int size)

### getRadioButtonIcon

public static [Icon](http://docs.google.com/javax/swing/Icon.html) **getRadioButtonIcon**()

### getCheckBoxIcon

public static [Icon](http://docs.google.com/javax/swing/Icon.html) **getCheckBoxIcon**()

Returns a checkbox icon.

**Since:** 1.3

### getTreeComputerIcon

public static [Icon](http://docs.google.com/javax/swing/Icon.html) **getTreeComputerIcon**()

### getTreeFloppyDriveIcon

public static [Icon](http://docs.google.com/javax/swing/Icon.html) **getTreeFloppyDriveIcon**()

### getTreeFolderIcon

public static [Icon](http://docs.google.com/javax/swing/Icon.html) **getTreeFolderIcon**()

### getTreeHardDriveIcon

public static [Icon](http://docs.google.com/javax/swing/Icon.html) **getTreeHardDriveIcon**()

### getTreeLeafIcon

public static [Icon](http://docs.google.com/javax/swing/Icon.html) **getTreeLeafIcon**()

### getTreeControlIcon

public static [Icon](http://docs.google.com/javax/swing/Icon.html) **getTreeControlIcon**(boolean isCollapsed)

### getMenuArrowIcon

public static [Icon](http://docs.google.com/javax/swing/Icon.html) **getMenuArrowIcon**()

### getMenuItemCheckIcon

public static [Icon](http://docs.google.com/javax/swing/Icon.html) **getMenuItemCheckIcon**()

Returns an icon to be used by JCheckBoxMenuItem.

**Returns:**the default icon for check box menu items, or null if no default exists

### getMenuItemArrowIcon

public static [Icon](http://docs.google.com/javax/swing/Icon.html) **getMenuItemArrowIcon**()

### getCheckBoxMenuItemIcon

public static [Icon](http://docs.google.com/javax/swing/Icon.html) **getCheckBoxMenuItemIcon**()

### getRadioButtonMenuItemIcon

public static [Icon](http://docs.google.com/javax/swing/Icon.html) **getRadioButtonMenuItemIcon**()

### getHorizontalSliderThumbIcon

public static [Icon](http://docs.google.com/javax/swing/Icon.html) **getHorizontalSliderThumbIcon**()

### getVerticalSliderThumbIcon

public static [Icon](http://docs.google.com/javax/swing/Icon.html) **getVerticalSliderThumbIcon**()

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/MetalIconFactory.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/javax/swing/plaf/metal/MetalFileChooserUI.SingleClickListener.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.FileIcon16.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/plaf/metal/MetalIconFactory.html)    [**NO FRAMES**](http://docs.google.com/MetalIconFactory.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: [FIELD](#4d34og8) | [CONSTR](#3rdcrjn) | [METHOD](#lnxbz9) |

[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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