| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Dialog.ModalityType.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/Dialog.ModalExclusionType.html)   [**NEXT CLASS**](http://docs.google.com/java/awt/Dimension.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/Dialog.ModalityType.html)    [**NO FRAMES**](http://docs.google.com/Dialog.ModalityType.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [ENUM CONSTANTS](#3znysh7) | FIELD | [METHOD](#2et92p0) | DETAIL: [ENUM CONSTANTS](#1t3h5sf) | FIELD | [METHOD](#26in1rg) |

## **java.awt**

Enum Dialog.ModalityType

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [java.lang.Enum](http://docs.google.com/java/lang/Enum.html)<[Dialog.ModalityType](http://docs.google.com/java/awt/Dialog.ModalityType.html)>  
 **java.awt.Dialog.ModalityType**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html), [Comparable](http://docs.google.com/java/lang/Comparable.html)<[Dialog.ModalityType](http://docs.google.com/java/awt/Dialog.ModalityType.html)> **Enclosing class:**[Dialog](http://docs.google.com/java/awt/Dialog.html)

public static enum **Dialog.ModalityType**extends [Enum](http://docs.google.com/java/lang/Enum.html)<[Dialog.ModalityType](http://docs.google.com/java/awt/Dialog.ModalityType.html)>

Modal dialogs block all input to some top-level windows. Whether a particular window is blocked depends on dialog's type of modality; this is called the "scope of blocking". The ModalityType enum specifies modal types and their associated scopes.

**Since:** 1.6 **See Also:**[Dialog.getModalityType()](http://docs.google.com/java/awt/Dialog.html#getModalityType()), [Dialog.setModalityType(java.awt.Dialog.ModalityType)](http://docs.google.com/java/awt/Dialog.html#setModalityType(java.awt.Dialog.ModalityType)), [Toolkit.isModalityTypeSupported(java.awt.Dialog.ModalityType)](http://docs.google.com/java/awt/Toolkit.html#isModalityTypeSupported(java.awt.Dialog.ModalityType))

| **Enum Constant Summary** | |
| --- | --- |
| [**APPLICATION\_MODAL**](http://docs.google.com/java/awt/Dialog.ModalityType.html#APPLICATION_MODAL)            An APPLICATION\_MODAL dialog blocks all top-level windows from the same Java application except those from its own child hierarchy. |
| [**DOCUMENT\_MODAL**](http://docs.google.com/java/awt/Dialog.ModalityType.html#DOCUMENT_MODAL)            A DOCUMENT\_MODAL dialog blocks input to all top-level windows from the same document except those from its own child hierarchy. |
| [**MODELESS**](http://docs.google.com/java/awt/Dialog.ModalityType.html#MODELESS)            MODELESS dialog doesn't block any top-level windows. |
| [**TOOLKIT\_MODAL**](http://docs.google.com/java/awt/Dialog.ModalityType.html#TOOLKIT_MODAL)            A TOOLKIT\_MODAL dialog blocks all top-level windows run from the same toolkit except those from its own child hierarchy. |

| **Method Summary** | |
| --- | --- |
| static [Dialog.ModalityType](http://docs.google.com/java/awt/Dialog.ModalityType.html) | [**valueOf**](http://docs.google.com/java/awt/Dialog.ModalityType.html#valueOf(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Returns the enum constant of this type with the specified name. |
| static [Dialog.ModalityType](http://docs.google.com/java/awt/Dialog.ModalityType.html)[] | [**values**](http://docs.google.com/java/awt/Dialog.ModalityType.html#values())()            Returns an array containing the constants of this enum type, in the order they are declared. |

| **Methods inherited from class java.lang.**[**Enum**](http://docs.google.com/java/lang/Enum.html) |
| --- |
| [clone](http://docs.google.com/java/lang/Enum.html#clone()), [compareTo](http://docs.google.com/java/lang/Enum.html#compareTo(E)), [equals](http://docs.google.com/java/lang/Enum.html#equals(java.lang.Object)), [finalize](http://docs.google.com/java/lang/Enum.html#finalize()), [getDeclaringClass](http://docs.google.com/java/lang/Enum.html#getDeclaringClass()), [hashCode](http://docs.google.com/java/lang/Enum.html#hashCode()), [name](http://docs.google.com/java/lang/Enum.html#name()), [ordinal](http://docs.google.com/java/lang/Enum.html#ordinal()), [toString](http://docs.google.com/java/lang/Enum.html#toString()), [valueOf](http://docs.google.com/java/lang/Enum.html#valueOf(java.lang.Class,%20java.lang.String)) |

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

| **Enum Constant Detail** |
| --- |

### MODELESS

public static final [Dialog.ModalityType](http://docs.google.com/java/awt/Dialog.ModalityType.html) **MODELESS**

MODELESS dialog doesn't block any top-level windows.

### DOCUMENT\_MODAL

public static final [Dialog.ModalityType](http://docs.google.com/java/awt/Dialog.ModalityType.html) **DOCUMENT\_MODAL**

A DOCUMENT\_MODAL dialog blocks input to all top-level windows from the same document except those from its own child hierarchy. A document is a top-level window without an owner. It may contain child windows that, together with the top-level window are treated as a single solid document. Since every top-level window must belong to some document, its root can be found as the top-nearest window without an owner.

### APPLICATION\_MODAL

public static final [Dialog.ModalityType](http://docs.google.com/java/awt/Dialog.ModalityType.html) **APPLICATION\_MODAL**

An APPLICATION\_MODAL dialog blocks all top-level windows from the same Java application except those from its own child hierarchy. If there are several applets launched in a browser, they can be treated either as separate applications or a single one. This behavior is implementation-dependent.

### TOOLKIT\_MODAL

public static final [Dialog.ModalityType](http://docs.google.com/java/awt/Dialog.ModalityType.html) **TOOLKIT\_MODAL**

A TOOLKIT\_MODAL dialog blocks all top-level windows run from the same toolkit except those from its own child hierarchy. If there are several applets launched in a browser, all of them run with the same toolkit; thus, a toolkit-modal dialog displayed by an applet may affect other applets and all windows of the browser instance which embeds the Java runtime environment for this toolkit. Special AWTPermission "toolkitModality" must be granted to use toolkit-modal dialogs. If a TOOLKIT\_MODAL dialog is being created and this permission is not granted, a SecurityException will be thrown, and no dialog will be created. If a modality type is being changed to TOOLKIT\_MODAL and this permission is not granted, a SecurityException will be thrown, and the modality type will be left unchanged.

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

### values

public static [Dialog.ModalityType](http://docs.google.com/java/awt/Dialog.ModalityType.html)[] **values**()

Returns an array containing the constants of this enum type, in the order they are declared. This method may be used to iterate over the constants as follows:

for (Dialog.ModalityType c : Dialog.ModalityType.values())  
  System.out.println(c);

**Returns:**an array containing the constants of this enum type, in the order they are declared

### valueOf

public static [Dialog.ModalityType](http://docs.google.com/java/awt/Dialog.ModalityType.html) **valueOf**([String](http://docs.google.com/java/lang/String.html) name)

Returns the enum constant of this type with the specified name. The string must match *exactly* an identifier used to declare an enum constant in this type. (Extraneous whitespace characters are not permitted.)

**Parameters:**name - the name of the enum constant to be returned. **Returns:**the enum constant with the specified name **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if this enum type has no constant with the specified name [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if the argument is null

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Dialog.ModalityType.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*** |
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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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