| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/BasicDirectoryModel.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/basic/BasicDesktopPaneUI.OpenAction.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/plaf/basic/BasicEditorPaneUI.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/plaf/basic/BasicDirectoryModel.html)    [**NO FRAMES**](http://docs.google.com/BasicDirectoryModel.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#2s8eyo1) | [METHOD](#3rdcrjn) |

## **javax.swing.plaf.basic**

Class BasicDirectoryModel

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [javax.swing.AbstractListModel](http://docs.google.com/javax/swing/AbstractListModel.html)  
 **javax.swing.plaf.basic.BasicDirectoryModel**

**All Implemented Interfaces:** [PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html), [Serializable](http://docs.google.com/java/io/Serializable.html), [EventListener](http://docs.google.com/java/util/EventListener.html), [ListModel](http://docs.google.com/javax/swing/ListModel.html)

public class **BasicDirectoryModel**extends [AbstractListModel](http://docs.google.com/javax/swing/AbstractListModel.html)implements [PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html)

Basic implementation of a file list.

| **Field Summary** | |
| --- | --- |

| **Fields inherited from class javax.swing.**[**AbstractListModel**](http://docs.google.com/javax/swing/AbstractListModel.html) |
| --- |
| [listenerList](http://docs.google.com/javax/swing/AbstractListModel.html#listenerList) |

| **Constructor Summary** | |
| --- | --- |
| [**BasicDirectoryModel**](http://docs.google.com/javax/swing/plaf/basic/BasicDirectoryModel.html#BasicDirectoryModel(javax.swing.JFileChooser))([JFileChooser](http://docs.google.com/javax/swing/JFileChooser.html) filechooser) |

| **Method Summary** | |
| --- | --- |
| void | [**addPropertyChangeListener**](http://docs.google.com/javax/swing/plaf/basic/BasicDirectoryModel.html#addPropertyChangeListener(java.beans.PropertyChangeListener))([PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html) listener)            Adds a PropertyChangeListener to the listener list. |
| boolean | [**contains**](http://docs.google.com/javax/swing/plaf/basic/BasicDirectoryModel.html#contains(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) o) |
| void | [**fireContentsChanged**](http://docs.google.com/javax/swing/plaf/basic/BasicDirectoryModel.html#fireContentsChanged())() |
| protected  void | [**firePropertyChange**](http://docs.google.com/javax/swing/plaf/basic/BasicDirectoryModel.html#firePropertyChange(java.lang.String,%20java.lang.Object,%20java.lang.Object))([String](http://docs.google.com/java/lang/String.html) propertyName, [Object](http://docs.google.com/java/lang/Object.html) oldValue, [Object](http://docs.google.com/java/lang/Object.html) newValue)            Support for reporting bound property changes for boolean properties. |
| [Vector](http://docs.google.com/java/util/Vector.html)<[File](http://docs.google.com/java/io/File.html)> | [**getDirectories**](http://docs.google.com/javax/swing/plaf/basic/BasicDirectoryModel.html#getDirectories())() |
| [Object](http://docs.google.com/java/lang/Object.html) | [**getElementAt**](http://docs.google.com/javax/swing/plaf/basic/BasicDirectoryModel.html#getElementAt(int))(int index)            Returns the value at the specified index. |
| [Vector](http://docs.google.com/java/util/Vector.html)<[File](http://docs.google.com/java/io/File.html)> | [**getFiles**](http://docs.google.com/javax/swing/plaf/basic/BasicDirectoryModel.html#getFiles())() |
| [PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html)[] | [**getPropertyChangeListeners**](http://docs.google.com/javax/swing/plaf/basic/BasicDirectoryModel.html#getPropertyChangeListeners())()            Returns an array of all the property change listeners registered on this component. |
| int | [**getSize**](http://docs.google.com/javax/swing/plaf/basic/BasicDirectoryModel.html#getSize())()            Returns the length of the list. |
| int | [**indexOf**](http://docs.google.com/javax/swing/plaf/basic/BasicDirectoryModel.html#indexOf(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) o) |
| void | [**intervalAdded**](http://docs.google.com/javax/swing/plaf/basic/BasicDirectoryModel.html#intervalAdded(javax.swing.event.ListDataEvent))([ListDataEvent](http://docs.google.com/javax/swing/event/ListDataEvent.html) e)            Obsolete - not used. |
| void | [**intervalRemoved**](http://docs.google.com/javax/swing/plaf/basic/BasicDirectoryModel.html#intervalRemoved(javax.swing.event.ListDataEvent))([ListDataEvent](http://docs.google.com/javax/swing/event/ListDataEvent.html) e)            Obsolete - not used. |
| void | [**invalidateFileCache**](http://docs.google.com/javax/swing/plaf/basic/BasicDirectoryModel.html#invalidateFileCache())()            This method is used to interrupt file loading thread. |
| protected  boolean | [**lt**](http://docs.google.com/javax/swing/plaf/basic/BasicDirectoryModel.html#lt(java.io.File,%20java.io.File))([File](http://docs.google.com/java/io/File.html) a, [File](http://docs.google.com/java/io/File.html) b) |
| void | [**propertyChange**](http://docs.google.com/javax/swing/plaf/basic/BasicDirectoryModel.html#propertyChange(java.beans.PropertyChangeEvent))([PropertyChangeEvent](http://docs.google.com/java/beans/PropertyChangeEvent.html) e)            This method gets called when a bound property is changed. |
| void | [**removePropertyChangeListener**](http://docs.google.com/javax/swing/plaf/basic/BasicDirectoryModel.html#removePropertyChangeListener(java.beans.PropertyChangeListener))([PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html) listener)            Removes a PropertyChangeListener from the listener list. |
| boolean | [**renameFile**](http://docs.google.com/javax/swing/plaf/basic/BasicDirectoryModel.html#renameFile(java.io.File,%20java.io.File))([File](http://docs.google.com/java/io/File.html) oldFile, [File](http://docs.google.com/java/io/File.html) newFile)            Renames a file in the underlying file system. |
| protected  void | [**sort**](http://docs.google.com/javax/swing/plaf/basic/BasicDirectoryModel.html#sort(java.util.Vector))([Vector](http://docs.google.com/java/util/Vector.html)<? extends [File](http://docs.google.com/java/io/File.html)> v) |
| void | [**validateFileCache**](http://docs.google.com/javax/swing/plaf/basic/BasicDirectoryModel.html#validateFileCache())() |

| **Methods inherited from class javax.swing.**[**AbstractListModel**](http://docs.google.com/javax/swing/AbstractListModel.html) |
| --- |
| [addListDataListener](http://docs.google.com/javax/swing/AbstractListModel.html#addListDataListener(javax.swing.event.ListDataListener)), [fireContentsChanged](http://docs.google.com/javax/swing/AbstractListModel.html#fireContentsChanged(java.lang.Object,%20int,%20int)), [fireIntervalAdded](http://docs.google.com/javax/swing/AbstractListModel.html#fireIntervalAdded(java.lang.Object,%20int,%20int)), [fireIntervalRemoved](http://docs.google.com/javax/swing/AbstractListModel.html#fireIntervalRemoved(java.lang.Object,%20int,%20int)), [getListDataListeners](http://docs.google.com/javax/swing/AbstractListModel.html#getListDataListeners()), [getListeners](http://docs.google.com/javax/swing/AbstractListModel.html#getListeners(java.lang.Class)), [removeListDataListener](http://docs.google.com/javax/swing/AbstractListModel.html#removeListDataListener(javax.swing.event.ListDataListener)) |

| **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)) |

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

### BasicDirectoryModel

public **BasicDirectoryModel**([JFileChooser](http://docs.google.com/javax/swing/JFileChooser.html) filechooser)

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

### propertyChange

public void **propertyChange**([PropertyChangeEvent](http://docs.google.com/java/beans/PropertyChangeEvent.html) e)

**Description copied from interface:** [**PropertyChangeListener**](http://docs.google.com/java/beans/PropertyChangeListener.html#propertyChange(java.beans.PropertyChangeEvent)) This method gets called when a bound property is changed.

**Specified by:**[propertyChange](http://docs.google.com/java/beans/PropertyChangeListener.html#propertyChange(java.beans.PropertyChangeEvent)) in interface [PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html) **Parameters:**e - A PropertyChangeEvent object describing the event source and the property that has changed.

### invalidateFileCache

public void **invalidateFileCache**()

This method is used to interrupt file loading thread.

### getDirectories

public [Vector](http://docs.google.com/java/util/Vector.html)<[File](http://docs.google.com/java/io/File.html)> **getDirectories**()

### getFiles

public [Vector](http://docs.google.com/java/util/Vector.html)<[File](http://docs.google.com/java/io/File.html)> **getFiles**()

### validateFileCache

public void **validateFileCache**()

### renameFile

public boolean **renameFile**([File](http://docs.google.com/java/io/File.html) oldFile,  
 [File](http://docs.google.com/java/io/File.html) newFile)

Renames a file in the underlying file system.

**Parameters:**oldFile - a File object representing the existing filenewFile - a File object representing the desired new file name **Returns:**true if rename succeeded, otherwise false**Since:** 1.4

### fireContentsChanged

public void **fireContentsChanged**()

### getSize

public int **getSize**()

**Description copied from interface:** [**ListModel**](http://docs.google.com/javax/swing/ListModel.html#getSize()) Returns the length of the list.

**Specified by:**[getSize](http://docs.google.com/javax/swing/ListModel.html#getSize()) in interface [ListModel](http://docs.google.com/javax/swing/ListModel.html) **Returns:**the length of the list

### contains

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

### indexOf

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

### getElementAt

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

**Description copied from interface:** [**ListModel**](http://docs.google.com/javax/swing/ListModel.html#getElementAt(int)) Returns the value at the specified index.

**Specified by:**[getElementAt](http://docs.google.com/javax/swing/ListModel.html#getElementAt(int)) in interface [ListModel](http://docs.google.com/javax/swing/ListModel.html) **Parameters:**index - the requested index **Returns:**the value at index

### intervalAdded

public void **intervalAdded**([ListDataEvent](http://docs.google.com/javax/swing/event/ListDataEvent.html) e)

Obsolete - not used.

### intervalRemoved

public void **intervalRemoved**([ListDataEvent](http://docs.google.com/javax/swing/event/ListDataEvent.html) e)

Obsolete - not used.

### sort

protected void **sort**([Vector](http://docs.google.com/java/util/Vector.html)<? extends [File](http://docs.google.com/java/io/File.html)> v)

### lt

protected boolean **lt**([File](http://docs.google.com/java/io/File.html) a,  
 [File](http://docs.google.com/java/io/File.html) b)

### addPropertyChangeListener

public void **addPropertyChangeListener**([PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html) listener)

Adds a PropertyChangeListener to the listener list. The listener is registered for all bound properties of this class.

If listener is null, no exception is thrown and no action is performed.

**Parameters:**listener - the property change listener to be added**Since:** 1.6 **See Also:**[removePropertyChangeListener(java.beans.PropertyChangeListener)](http://docs.google.com/javax/swing/plaf/basic/BasicDirectoryModel.html#removePropertyChangeListener(java.beans.PropertyChangeListener)), [getPropertyChangeListeners()](http://docs.google.com/javax/swing/plaf/basic/BasicDirectoryModel.html#getPropertyChangeListeners())

### removePropertyChangeListener

public void **removePropertyChangeListener**([PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html) listener)

Removes a PropertyChangeListener from the listener list.

If listener is null, no exception is thrown and no action is performed.

**Parameters:**listener - the PropertyChangeListener to be removed**Since:** 1.6 **See Also:**[addPropertyChangeListener(java.beans.PropertyChangeListener)](http://docs.google.com/javax/swing/plaf/basic/BasicDirectoryModel.html#addPropertyChangeListener(java.beans.PropertyChangeListener)), [getPropertyChangeListeners()](http://docs.google.com/javax/swing/plaf/basic/BasicDirectoryModel.html#getPropertyChangeListeners())

### getPropertyChangeListeners

public [PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html)[] **getPropertyChangeListeners**()

Returns an array of all the property change listeners registered on this component.

**Returns:**all of this component's PropertyChangeListeners or an empty array if no property change listeners are currently registered**Since:** 1.6 **See Also:**[addPropertyChangeListener(java.beans.PropertyChangeListener)](http://docs.google.com/javax/swing/plaf/basic/BasicDirectoryModel.html#addPropertyChangeListener(java.beans.PropertyChangeListener)), [removePropertyChangeListener(java.beans.PropertyChangeListener)](http://docs.google.com/javax/swing/plaf/basic/BasicDirectoryModel.html#removePropertyChangeListener(java.beans.PropertyChangeListener)), [PropertyChangeSupport.getPropertyChangeListeners()](http://docs.google.com/java/beans/PropertyChangeSupport.html#getPropertyChangeListeners())

### firePropertyChange

protected void **firePropertyChange**([String](http://docs.google.com/java/lang/String.html) propertyName,  
 [Object](http://docs.google.com/java/lang/Object.html) oldValue,  
 [Object](http://docs.google.com/java/lang/Object.html) newValue)

Support for reporting bound property changes for boolean properties. This method can be called when a bound property has changed and it will send the appropriate PropertyChangeEvent to any registered PropertyChangeListeners.

**Parameters:**propertyName - the property whose value has changedoldValue - the property's previous valuenewValue - the property's new value**Since:** 1.6

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/BasicDirectoryModel.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/basic/BasicDesktopPaneUI.OpenAction.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/plaf/basic/BasicEditorPaneUI.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/plaf/basic/BasicDirectoryModel.html)    [**NO FRAMES**](http://docs.google.com/BasicDirectoryModel.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#2s8eyo1) | [METHOD](#3rdcrjn) |

[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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