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| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-all.html) | [**Help**](http://docs.google.com/help-doc.html) | | |  |
| [**PREV CLASS**](http://docs.google.com/javazoom/jl/player/Player.html)   NEXT CLASS | [**FRAMES**](http://docs.google.com/index.html?javazoom/jl/player/PlayerApplet.html)    [**NO FRAMES**](http://docs.google.com/PlayerApplet.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#2et92p0) | [FIELD](#4d34og8) | [CONSTR](#3rdcrjn) | [METHOD](#26in1rg) | DETAIL: [FIELD](#z337ya) | [CONSTR](#1y810tw) | [METHOD](#2xcytpi) |

## **javazoom.jl.player**

Class PlayerApplet

java.lang.Object  
 java.awt.Component  
 java.awt.Container  
 java.awt.Panel  
 java.applet.Applet  
 **javazoom.jl.player.PlayerApplet**

**All Implemented Interfaces:** java.awt.image.ImageObserver, java.awt.MenuContainer, java.io.Serializable, java.lang.Runnable, javax.accessibility.Accessible

public class **PlayerApplet**extends java.applet.Appletimplements java.lang.Runnable

A simple applet that plays an MPEG audio file. The URL (relative to the document base) is passed as the "audioURL" parameter.

**Since:** 0.0.8 **See Also:**[Serialized Form](http://docs.google.com/serialized-form.html#javazoom.jl.player.PlayerApplet)

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| **Nested Class Summary** | |

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| **Nested classes/interfaces inherited from class java.applet.Applet** |
| java.applet.Applet.AccessibleApplet |

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| **Nested classes/interfaces inherited from class java.awt.Panel** |
| java.awt.Panel.AccessibleAWTPanel |

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| **Nested classes/interfaces inherited from class java.awt.Container** |
| java.awt.Container.AccessibleAWTContainer |

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| **Nested classes/interfaces inherited from class java.awt.Component** |
| java.awt.Component.AccessibleAWTComponent, java.awt.Component.BltBufferStrategy, java.awt.Component.FlipBufferStrategy |

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| **Field Summary** | |
| static java.lang.String | [**AUDIO\_PARAMETER**](http://docs.google.com/javazoom/jl/player/PlayerApplet.html#AUDIO_PARAMETER) |

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| **Fields inherited from class java.awt.Component** |
| BOTTOM\_ALIGNMENT, CENTER\_ALIGNMENT, LEFT\_ALIGNMENT, RIGHT\_ALIGNMENT, TOP\_ALIGNMENT |

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| **Fields inherited from interface java.awt.image.ImageObserver** |
| ABORT, ALLBITS, ERROR, FRAMEBITS, HEIGHT, PROPERTIES, SOMEBITS, WIDTH |

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| **Constructor Summary** | |
| [**PlayerApplet**](http://docs.google.com/javazoom/jl/player/PlayerApplet.html#PlayerApplet())() |

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| **Method Summary** | |
| protected  java.lang.Thread | [**createPlayerThread**](http://docs.google.com/javazoom/jl/player/PlayerApplet.html#createPlayerThread())()            Creates a new thread used to run the audio player. |
| void | [**destroy**](http://docs.google.com/javazoom/jl/player/PlayerApplet.html#destroy())() |
| protected  [AudioDevice](http://docs.google.com/javazoom/jl/player/AudioDevice.html) | [**getAudioDevice**](http://docs.google.com/javazoom/jl/player/PlayerApplet.html#getAudioDevice())()            Retrieves the AudioDevice instance that will be used to sound the audio data. |
| protected  java.lang.String | [**getAudioFileName**](http://docs.google.com/javazoom/jl/player/PlayerApplet.html#getAudioFileName())() |
| protected  java.io.InputStream | [**getAudioStream**](http://docs.google.com/javazoom/jl/player/PlayerApplet.html#getAudioStream())()            Retrieves the InputStream that provides the MPEG audio stream data. |
| protected  java.net.URL | [**getAudioURL**](http://docs.google.com/javazoom/jl/player/PlayerApplet.html#getAudioURL())() |
| java.lang.String | [**getFileName**](http://docs.google.com/javazoom/jl/player/PlayerApplet.html#getFileName())() |
| void | [**init**](http://docs.google.com/javazoom/jl/player/PlayerApplet.html#init())()            Initializes this applet. |
| protected  void | [**play**](http://docs.google.com/javazoom/jl/player/PlayerApplet.html#play(java.io.InputStream,%20javazoom.jl.player.AudioDevice))(java.io.InputStream in, [AudioDevice](http://docs.google.com/javazoom/jl/player/AudioDevice.html) dev)            Decompresses audio data from an InputStream and plays it back through an AudioDevice. |
| void | [**run**](http://docs.google.com/javazoom/jl/player/PlayerApplet.html#run())()            The run method for the audio player thread. |
| void | [**setFileName**](http://docs.google.com/javazoom/jl/player/PlayerApplet.html#setFileName(java.lang.String))(java.lang.String name)            Sets the URL of the audio stream to play. |
| void | [**start**](http://docs.google.com/javazoom/jl/player/PlayerApplet.html#start())()            Starts this applet. |
| void | [**stop**](http://docs.google.com/javazoom/jl/player/PlayerApplet.html#stop())()            Stops this applet. |
| protected  void | [**stopPlayer**](http://docs.google.com/javazoom/jl/player/PlayerApplet.html#stopPlayer())()            Stops the audio player. |

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| **Methods inherited from class java.applet.Applet** |
| getAccessibleContext, getAppletContext, getAppletInfo, getAudioClip, getAudioClip, getCodeBase, getDocumentBase, getImage, getImage, getLocale, getParameter, getParameterInfo, isActive, newAudioClip, play, play, resize, resize, setStub, showStatus |

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| **Methods inherited from class java.awt.Panel** |
| addNotify |

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| **Methods inherited from class java.awt.Container** |
| add, add, add, add, add, addContainerListener, addImpl, addPropertyChangeListener, addPropertyChangeListener, applyComponentOrientation, areFocusTraversalKeysSet, countComponents, deliverEvent, doLayout, findComponentAt, findComponentAt, getAlignmentX, getAlignmentY, getComponent, getComponentAt, getComponentAt, getComponentCount, getComponents, getComponentZOrder, getContainerListeners, getFocusTraversalKeys, getFocusTraversalPolicy, getInsets, getLayout, getListeners, getMaximumSize, getMinimumSize, getMousePosition, getPreferredSize, insets, invalidate, isAncestorOf, isFocusCycleRoot, isFocusCycleRoot, isFocusTraversalPolicyProvider, isFocusTraversalPolicySet, layout, list, list, locate, minimumSize, paint, paintComponents, paramString, preferredSize, print, printComponents, processContainerEvent, processEvent, remove, remove, removeAll, removeContainerListener, removeNotify, setComponentZOrder, setFocusCycleRoot, setFocusTraversalKeys, setFocusTraversalPolicy, setFocusTraversalPolicyProvider, setFont, setLayout, transferFocusBackward, transferFocusDownCycle, update, validate, validateTree |

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| **Methods inherited from class java.awt.Component** |
| action, add, addComponentListener, addFocusListener, addHierarchyBoundsListener, addHierarchyListener, addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener, addMouseWheelListener, bounds, checkImage, checkImage, coalesceEvents, contains, contains, createImage, createImage, createVolatileImage, createVolatileImage, disable, disableEvents, dispatchEvent, enable, enable, enableEvents, enableInputMethods, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, getBackground, getBounds, getBounds, getColorModel, getComponentListeners, getComponentOrientation, getCursor, getDropTarget, getFocusCycleRootAncestor, getFocusListeners, getFocusTraversalKeysEnabled, getFont, getFontMetrics, getForeground, getGraphics, getGraphicsConfiguration, getHeight, getHierarchyBoundsListeners, getHierarchyListeners, getIgnoreRepaint, getInputContext, getInputMethodListeners, getInputMethodRequests, getKeyListeners, getLocation, getLocation, getLocationOnScreen, getMouseListeners, getMouseMotionListeners, getMousePosition, getMouseWheelListeners, getName, getParent, getPeer, getPropertyChangeListeners, getPropertyChangeListeners, getSize, getSize, getToolkit, getTreeLock, getWidth, getX, getY, gotFocus, handleEvent, hasFocus, hide, imageUpdate, inside, isBackgroundSet, isCursorSet, isDisplayable, isDoubleBuffered, isEnabled, isFocusable, isFocusOwner, isFocusTraversable, isFontSet, isForegroundSet, isLightweight, isMaximumSizeSet, isMinimumSizeSet, isOpaque, isPreferredSizeSet, isShowing, isValid, isVisible, keyDown, keyUp, list, list, list, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move, nextFocus, paintAll, postEvent, prepareImage, prepareImage, printAll, processComponentEvent, processFocusEvent, processHierarchyBoundsEvent, processHierarchyEvent, processInputMethodEvent, processKeyEvent, processMouseEvent, processMouseMotionEvent, processMouseWheelEvent, remove, removeComponentListener, removeFocusListener, removeHierarchyBoundsListener, removeHierarchyListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, removeMouseWheelListener, removePropertyChangeListener, removePropertyChangeListener, repaint, repaint, repaint, repaint, requestFocus, requestFocus, requestFocusInWindow, requestFocusInWindow, reshape, setBackground, setBounds, setBounds, setComponentOrientation, setCursor, setDropTarget, setEnabled, setFocusable, setFocusTraversalKeysEnabled, setForeground, setIgnoreRepaint, setLocale, setLocation, setLocation, setMaximumSize, setMinimumSize, setName, setPreferredSize, setSize, setSize, setVisible, show, show, size, toString, transferFocus, transferFocusUpCycle |

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| **Methods inherited from class java.lang.Object** |
| clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait |

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| **Field Detail** |

### AUDIO\_PARAMETER

public static final java.lang.String **AUDIO\_PARAMETER**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javazoom.jl.player.PlayerApplet.AUDIO_PARAMETER)

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| **Constructor Detail** |

### PlayerApplet

public **PlayerApplet**()

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| **Method Detail** |

### getAudioDevice

protected [AudioDevice](http://docs.google.com/javazoom/jl/player/AudioDevice.html) **getAudioDevice**()  
 throws [JavaLayerException](http://docs.google.com/javazoom/jl/decoder/JavaLayerException.html)

Retrieves the AudioDevice instance that will be used to sound the audio data.

**Returns:**an audio device instance that will be used to sound the audio stream. **Throws:** [JavaLayerException](http://docs.google.com/javazoom/jl/decoder/JavaLayerException.html)

### getAudioStream

protected java.io.InputStream **getAudioStream**()

Retrieves the InputStream that provides the MPEG audio stream data.

**Returns:**an InputStream from which the MPEG audio data is read, or null if an error occurs.

### getAudioFileName

protected java.lang.String **getAudioFileName**()

### getAudioURL

protected java.net.URL **getAudioURL**()

### setFileName

public void **setFileName**(java.lang.String name)

Sets the URL of the audio stream to play.

### getFileName

public java.lang.String **getFileName**()

### stopPlayer

protected void **stopPlayer**()  
 throws [JavaLayerException](http://docs.google.com/javazoom/jl/decoder/JavaLayerException.html)

Stops the audio player. If the player is already stopped this method is a no-op.

**Throws:** [JavaLayerException](http://docs.google.com/javazoom/jl/decoder/JavaLayerException.html)

### play

protected void **play**(java.io.InputStream in,  
 [AudioDevice](http://docs.google.com/javazoom/jl/player/AudioDevice.html) dev)  
 throws [JavaLayerException](http://docs.google.com/javazoom/jl/decoder/JavaLayerException.html)

Decompresses audio data from an InputStream and plays it back through an AudioDevice. The playback is run on a newly created thread.

**Parameters:**in - The InputStream that provides the MPEG audio data.dev - The AudioDevice to use to sound the decompressed data. **Throws:** [JavaLayerException](http://docs.google.com/javazoom/jl/decoder/JavaLayerException.html) - if there was a problem decoding or playing the audio data.

### createPlayerThread

protected java.lang.Thread **createPlayerThread**()

Creates a new thread used to run the audio player.

**Returns:**A new Thread that, once started, runs the audio player.

### init

public void **init**()

Initializes this applet.

**Overrides:**init in class java.applet.Applet

### start

public void **start**()

Starts this applet. An input stream and audio device are created and passed to the play() method.

**Overrides:**start in class java.applet.Applet

### stop

public void **stop**()

Stops this applet. If audio is currently playing, it is stopped.

**Overrides:**stop in class java.applet.Applet

### destroy

public void **destroy**()

**Overrides:**destroy in class java.applet.Applet

### run

public void **run**()

The run method for the audio player thread. Simply calls play() on the player to play the entire stream.

**Specified by:**run in interface java.lang.Runnable

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| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-all.html) | [**Help**](http://docs.google.com/help-doc.html) | | |  |
| [**PREV CLASS**](http://docs.google.com/javazoom/jl/player/Player.html)   NEXT CLASS | [**FRAMES**](http://docs.google.com/index.html?javazoom/jl/player/PlayerApplet.html)    [**NO FRAMES**](http://docs.google.com/PlayerApplet.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
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