

Custom Icons

Custom Icons

The icon images used on the buttons, and in the title bar, of the IzPack installer can all be replaced with your own custom icons, by including the resource `customicons.xml`. **In addition**, icon files must also be defined as [resources](#), or included in a [merged JAR](#). Acceptable image file formats include GIF, JPEG, and PNG. IzPack uses the PNG format. Image size should match the size of the icon being replaced (see the lists at the bottom of the page).

This mechanism can also be used to replace any standard icons used by the Java Swing components. IzPack already defines some alternative icons for the Swing components, such as the file selection dialog. All standard IzPack icons are listed at the end of this page.

customicons.xml

The resource file `customicons.xml` has a single root element `<icons>`, which has no attributes. It should be added to the `<resources>` section with the ID `"customicons.xml"`.

```
<res id="customicons.xml"
src="my-installer-files/customicons.xml"/>
```

Nested Elements

icon

This defines alternative icons for IzPack GUI components, such as installer buttons and decorations.

Attribute	Description	Required
res	Path within the installer JAR where the icon file is stored. May be absolute (e.g. <code>/resources/icon.png</code>) or relative to the IzPack class file <code>com.izforge.izpack.installer.gui.InstallerFrame</code> .	Yes
id	The ID of the standard IzPack icon to replace. See the list of standard icons , below.	Yes

sysicon

This defines alternative icons for Java Swing components, such as the buttons and decorations on built-in dialog boxes.

Attribute	Description	Required
-----------	-------------	----------

res	Path within the installer JAR where the icon file is stored. May be absolute (e.g. <code>/resources/icon.png</code>) or relative to the IzPack class file <code>com.izforge.izpack.installer.gui.InstallerFrame</code> .	Yes
id	The name of the icon-type Swing component property to replace. See the component properties documentation in the Java API for a full list of customisable properties (any property with type <i>Icon</i> can be specified). The icons replaced as standard by IzPack's default behaviour are listed below in the list of alternative Swing icons .	Yes

Resources

One way to provide the icon files themselves, is to include them as resources in the `<resources>` section of the install spec. **In this case, the `res` attribute for the icon spec in `customicons.xml` must be specified as `"/resource-id"`.**

Example resource entry in `install.xml`

```
<res id="JFrameIcon.png"
src="my-installer-files/JFrameIcon.png" />
```

Corresponding entry in `customicons.xml`

```
<icon res="/resources/JFrameIcon.png"
id="JFrameIcon" />
```

Merged JARs

If you develop your own extensions to IzPack, and include them in the installer using the `<jar>` element, you can put your own icons inside your extension JAR as an alternative to using resources. In this case, you would specify the absolute path to the icon in your JAR in the `res` attribute for the entry in `customicons.xml`.

```
<icon
res="/com/myizpackjar/img/JFrameIcon.png"
id="JFrameIcon"/>
```

List of standard icons

This section lists and displays all standard IzPack icons that are used by default, along with the icon ID (which is needed for defining custom icons), and a brief description of where it's used. Replace these using an `<icon>` tag in `customicons.xml`.

Image	ID	Usage	Size
	JFrameIcon	Window icon for installer and language selection dialog.	16x16
	bookmark	Application URL on Hello Panel.	16x16
	check	Successful installation on Finish Panels.	32x32
	done	Exit button for successful installation.	16x16
	edit	Automated script button on Finish Panel; description of Info Panels.	16x16
	empty	Blank spacer on Finish Panels and Hello Panel.	16x16
	help	Panel <i>Help</i> button.	16x16
	history	Description of Licence Panels and Installation Type Panel.	16x16
	home		16x16
	host	Welcome message on Hello Panel.	16x16
	import		16x16
	information	Product information on Hello Panel.	16x16
	link16x16	Shortcut Panel header.	16x16

	open	<i>Browse</i> button for Path Panels and multi-volume installers.	16x16
	preferences	Description of Packs Panels; progress description on Install Panel; success description on Finish Panels.	16x16
	refresh_cycle		16x16
	stepback	<i>Previous</i> button.	16x16
	stepforward	<i>Next</i> button.	16x16
	stop	<i>Quit</i> button (installer and uninstaller); exit button for failed installation.	16x16
	tip	Info text on Packs Panels and Sudo Panel; progress description on Compile Panel.	16x16

List of alternative Swing icons

This table lists all built-in Java Swing component icons replaced by default in a standard IzPack installer. Replace these (or any other *Icon*-type [Swing component property](#)) using a `<sysicon>` tag in `customicons.xml`.

Image	ID	Usage	Size
	FileChooser.homeFolderIcon	Home directory button in File Chooser.	16x16
	FileChooser.newFolderIcon	New directory button in File Chooser.	16x16
	FileChooser.upFolderIcon	Up directory (i.e. <code>..</code>) button in File Chooser.	16x16
	FileView.computerIcon	Icon for directories representing the computer.	16x16
	FileView.directoryIcon	Icon for regular directories.	16x16
	FileView.fileIcon	Icon for files.	16x16
	FileView.floppyDriveIcon	Icon for floppy drives.	16x16
	FileView.hardDriveIcon	Icon for hard drives.	16x16
	OptionPane.errorIcon	Error message dialog.	32x32

	OptionPane.informationIcon	Information message dialog.	32x32
	OptionPane.questionIcon	Question message dialog.	32x32
	OptionPane.warningIcon	Warning message dialog.	32x32