

Creating a Custom Tab Panel

To create a custom tab panel widget, a tab panel style must first be added to the `pui.widgets.tabstyles` associative array. Each entry in `pui.widgets.tabstyles` is an object with name/value pairs; the following are possible names:

Property Name	Possible Values	Description	Requirement(s)
useImages	<code>true/false</code>	Determines if images are provided and used in the drawing of a tab panel.	The following images are needed in the IFS Directory location <code>/www/profoundui/htdocs/data/images/tabs/custom_widget_style_name:</code> <ul style="list-style-type: none"> • <code>left.gif</code> - the left side image of an <i>inactive</i> tab • <code>left-sel.gif</code> - the left side image of an <i>active</i> tab • <code>middle.gif</code> - horizontally repeated middle image of an <i>inactive</i> tab • <code>middle-sel.gif</code> - horizontally repeated middle image of an of an <i>active</i> tab • <code>right.gif</code> - the right side image of an <i>inactive</i> tab • <code>right-sel.gif</code> - the ride side image of an <i>active</i> tab
hiImages	<code>true/false</code>	Determines if highlight images are provided and used when the cursor hovers over a tab.	The following images are needed in the IFS Directory location <code>/www/profoundui/htdocs/data/images/tabs/custom_widget_style_name:</code> <ul style="list-style-type: none"> • <code>left-hi.gif</code> - the left side image of a <i>highlighted, inactive</i> tab • <code>middle-hi.gif</code> - horizontally repeated middle image of a <i>highlighted, inactive</i> tab • <code>right-hi.gif</code> - the right side image of a <i>highlighted, inactive</i> tab
imageFileExtension	Any valid image file extension <i>Default:</i> <code>.gif</code>	Specifies image file extension used for Tab Panel images.	<i>Optional</i>
height	Any valid pixel value	Determines the tab height in pixels.	<i>Digits Only</i>
defaultBackColor	Any valid color name or hex value	Sets the default background color of the active tab.	useImages needs to be set to <i>false</i>
hiColor	Any valid color name or hex value	Sets the highlight color of non-selected tabs when cursor hovers over.	useImages needs to be set to <i>false</i>
leftWidth	Any valid pixel value	Sets the width of the left side image.	<i>Digits Only</i> Should match width of provided image. useImages needs to be set to <i>true</i>
		Sets the	<i>Digits Only</i>

rightWidth	Any valid pixel value	width of the right side image.	Should match width of provided image. useImages needs to be set to <i>true</i>
selColor	Any valid color name or hex value	Determines color of <i>active</i> tab.	useImages needs to be set to <i>true</i>
selBold	<i>true/false</i>	Determines if <i>active</i> tab header is also bold.	useImages needs to be set to <i>true</i>
borderColor	Any valid color name or hex value	Sets the color of the Border.	borderSize needs to be set to a digit pixel value greater than zero (0 will not be seen.)
leftMargin	Any valid pixel value	Sets the width of the left side margin of the tabs in pixels.	<i>Digits Only</i> useImages needs to be set to <i>true</i>
hiUnderline	<i>true/false</i>	Determines if <i>highlighted</i> , <i>inactive</i> tab header is also underlined.	<i>Optional</i>
separated	<i>true/false</i>	Determines if there is a separation gap between the tabs.	useImages needs to be set to <i>true</i>
backBar	<i>true/false</i>	Determines if the area behind the tabs, the Back Bar, is visible or transparent.	<i>Optional</i> If set to <i>true</i> , it is required for either backBarColor to be set to a valid color value or an image r provided in the IFS Directory location <code>/www/profoundui/htdocs/profoundui/proc/custom_widget_style_name</code> in order to be visible.
backBarColor	Any valid color name or hex value	Sets the color of the Back Bar.	backBar needs to be set to <i>true</i>
borderSize	Any valid pixel value Default: 1	Sets the tab panel's border size in pixels.	<i>Digits Only</i>

defaultTabColor	Any valid color name or hex value	Sets the background color of inactive tabs.	useImages needs to be set to <i>false</i> <i>ProfoundUI Version 5, Fix Pack 13.0 and later.</i>
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JavaScript Syntax for Adding a Tab Panel Style

```
pui.widgets.tabStyles["tab panel style name"] = {
  property1: value1, property2: value2, etc.
}
```

The "tab panel style name" will then appear as an option in the Visual Designer under the "tab panel style" property.

After adding a new tab style, the next step is to add an entry into the Widgets Toolbox by using the `pui.toolbox.add()` API. For more details about this API, refer to the [Widgets Development API](#) section of the documentation. You should create a tab panel proxy image and a tab panel icon image before using the API. The "defaults" configuration option should assign the "tab panel style" property to the new tab panel style name.

All JavaScript code should be saved into an external file that is placed in the `/www/profoundui/htdocs/profoundui/userdata/custom/widgets` IFS directory.

Example: JavaScript Code to Create a Custom Tab Panel

```
// Add a new tab panel style
pui.widgets.tabStyles["Custom Tab Panel"] = {
  useImages: false,
  height: 15,
  defaultBackColor: "#FAE5AF",
  hiColor: "#666699"
}

// Now, add an entry to the Widgets Toolbox
pui.toolbox.add({
  category: "Custom Widgets",
  widget: "tab panel",
  text: "Custom Tab Panel",
  icon: "/profoundui/proddata/images/tabs/Custom/icon.png",

  proxyHeight: 202,
  proxyWidth: 302,
  proxyHTML: '',

  defaults: {
    "tab panel style": "Custom Tab Panel"
  }
});
```