



THEME CONTRIBUTORS

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WHAT IS A THEME CONTRIBUTOR?

- ❖ A *Theme Contributor* is a module that contains UI resources independent of a theme.
- ❖ On deployment, the module is scanned for all valid CSS and JS files.
- ❖ These resources are then included on all pages, regardless of the current theme.
- ❖ If you'd like to package UI resources independent of a specific theme and include them on all pages, *Theme Contributors* are the right tool.

IDENTIFYING EXISTING THEME CONTRIBUTOR MODULES

- ❖ In previous Liferay versions, the standard UI for user menus and navigation, such as the Dockbar, was included in the theme template.
- ❖ Starting in Liferay DXP, these standard UI components are packaged as *Theme Contributors*.
- ❖ Specifically: the Control Menu, the Product Menu, and the Simulation Panel are now packaged as *Theme Contributor* modules.
- ❖ Styles for these UI components are handled outside of the theme.
- ❖ In order to edit the standard UI components, you'll need to create your own *Theme Contributor* to add your modifications on top of the existing components.
- ❖ You can also add new UI components to Liferay by creating new *Theme Contributor* modules.

MENU THEME CONTRIBUTORS

The screenshot displays the Liferay Control Menu interface, which is divided into three main sections: the Product Menu on the left, the Control Menu in the center, and the Simulation Menu on the right. Red boxes and arrows highlight these sections.

- Product Menu (Left):** Contains a list of navigation items including "Control Panel", "Test", "Liferay" (selected), "Go to Site", "Navigation", "Public Pages", "Welcome", "Audience Targeting", "testcms", "Content", "Members", "Configuration", and "Publishing".
- Control Menu (Center):** Features a "Navigation Menu" with links to "Welcome", "Audience Targeting", and "testcms". The main content area displays a "Hello World" message with a background image of a mountain range. Below the main content, it says "Powered By Liferay".
- Simulation Menu (Right):** Includes a "Device" section with options for "Mobile" (768px), "Tablet" (1024px), "Desktop" (1280px), and "AutoSize" (100%). It also shows "Width" and "Height" settings (both 400) and a "Preview may not be accurate" warning. A "User Segment" section is visible with the name "Tarantino lovers".

At the bottom of the interface, a status bar displays the text: "6912958a9d339e1a - Mon Apr 18 18:04:41 2016 - 0700".

THE S.P.A.C.E. MENUS

- ❖ The S.P.A.C.E. front-end team may want to update the Control Panel, Product Menu, and Simulation Panel in order to make them feel like a part of unified experience with the new theme being created for the S.P.A.C.E. site.
- ❖ Using the power of *Theme Contributor* modules, the front-end team, with a little help from the back-end team, can create a new *Theme Contributor* to override the look and feel of the standard UI controls and update them to visually match their new theme.

CREATING YOUR OWN THEME CONTRIBUTOR

- ❖ To create a new *Theme Contributor*, you must first create an OSGi module.
 - ❖ You can use the Liferay *Blade CLI* tool to create the module.
- ❖ Next, you must identify your module as a *Theme Contributor* by adding the `Liferay-Theme-Contributor-Type` and `Web-ContextPath` properties to your `bnd.bnd` file.
 - ❖ `Liferay-Theme-Contributor-Type` helps Liferay identify your module as a *Theme Contributor*.
 - ❖ `Web-ContextPath` sets the context from which the *Theme Contributors* resources are hosted.

EXAMPLE BND.BND FILE

- ❖ Let's take a look at the Control Menu's `bnd.bnd` file.
- ❖ Notice the `Liferay-Theme-Contributor-Type` and `Web-ContextPath` headers in the file.

```
Bundle-Name: Liferay Product Navigation Control Menu Theme Contributor
Bundle-SymbolicName: com.liferay.product.navigation.control.menu.theme.contributor
Bundle-Version: 1.0.0
Liferay-Releng-Module-Group-Description:
Liferay-Releng-Module-Group-Title: Product Navigation
Liferay-Theme-Contributor-Type: product-navigation-control-menu
Web-ContextPath: /product-navigation-control-menu-theme-contributor
-include: ../../../../marketplace/web-content-management/bnd.bnd
```

MODIFYING STANDARD THEME CONTRIBUTORS

- ❖ If you want to edit or style standard *Theme Contributors*, you'll need to create a new, overriding *Theme Contributor*.
- ❖ In order to control *Theme Contributor* priority, you can set a *weight* for your *Theme Contributor* in your `bnd.bnd` file.
- ❖ You set the weight by adding the `Liferay-Theme-Contributor-Weight` property to the `bnd.bnd` file.
`Liferay-Theme-Contributor-Weight: 100`
- ❖ *Theme Contributors* with higher *weight* will see their resources included later, thus overriding *Theme Contributors* with lower *weight*.

THEME CONTRIBUTOR RESOURCES

- ❖ Once the *weight* has been set, you can create a `src/main/resources/META-INF/resources` folder in your module and place your resources (CSS and JS files) in that folder.
- ❖ For example, in order to change the background color of the Control Menu, you could add `_control_menu.scss` to the `src/main/resources/META-INF/resources/css/blade.theme.contributor/` folder.
- ❖ In the `_control_menu.scss` file, you would add CSS to style the menu:

```
body {  
  .control-menu {  
    background-color: darkkhaki;  
  }  
}
```

IMPORTING RESOURCES

- ❖ All of the SCSS files are imported into the main `blade.theme.contributor.scss` file:

```
@import "bourbon";  
@import "mixins";  
  
@import "blade.theme.contributor/body";  
@import "blade.theme.contributor/control_menu";  
@import "blade.theme.contributor/product_menu";  
@import "blade.theme.contributor/simulation_panel";
```

- ❖ If you add your own SCSS files, remember to add them to the list of imports in the `blade.theme.contributor.scss` file.

WRAP-UP

- ❖ Once you have everything styled to your liking, build and deploy your new *Theme Contributor* module to see your modifications applied to pages and themes.
- ❖ Make sure to use *Theme Contributors* wisely.
- ❖ The UI contributions will affect every page and will remain, regardless of the theme.

Notes: