

THEME CONTRIBUTORS

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WHAT IS A THEME CONTRIBUTOR?

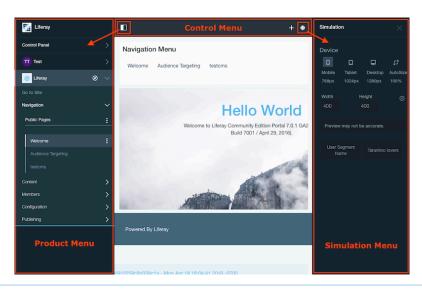
- A Theme Contributor is a module that contains UI resources independent of a theme.
- On deployment, the module is scanned for all valid CSS and JS files.
- These resources are then included on all pages, regardless of the current theme.
- If you'd like to package UI resources independent of a specific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

