

# Documentation

## Changing the appearance/themes of Open edX

Comprehensive theming is enabled by default, but only the default theme is compiled.

- To run the following commands first you need generate a private key, by doing ssh into it, in any random file being generated like 1.txt
  - “ssh-keygen”
  - “ssh -i 1.txt ubuntu@15.207.54.24”
- Then to upload any themes or any images or anything
  - “sudo su”
- To compile our own theme, then you should put your theme into the themes directory.

```
"$(tutor config printroot)/env/build/openedx/themes"
```

We can simply clone the github repository of your theme into the above mentioned folder

- The theme should have the following structure

mytheme

—lms

—static

—images

—sass

—templates

—cms

—static

—images

- The theme which we are currently using is **starter-theme**
- The theme images are stored in lms/static/images for the LMS,(Learning Management System) and in cms/static/images for the CMS(Content Management System).

If u need to change the logo, of the current theme put the image logo.png in the lms/static/images folder and for changing the favicon , include your image as favicon.ico

(These steps are followed if you want to change only image in your theme)

For, that first u need to upload the image into intermediate server, like what we did was

- curl -F'file=@logo.png' <http://0x0.st>
- And then wget the image into that lms/static/images folder
- Then override the image name into logo.png
  - mv xyz.png logo.png

In the same way we can add the banner images (which appears on the homepage of the XR academy)

- If u need to change banner image of current theme then the same steps mentioned above are followed (if you are changing the banner image of the current starter-theme then name your new banner image as kids.jpeg)

## Overriding the default "about", "contact", etc. static pages

- By default, the /about and /contact pages contain a simple line of text: "This page left intentionally blank. Feel free to add your own content". This is of course unusable in production. In the following, we detail how to override just any of the static templates used in Open edX.
- The static templates used by Open edX to render those pages are all stored in the mytheme/lms/templates/static\_templates folder. To override those templates, you should add your own in the following folder:

```
"$(tutor config  
printroot)/env/build/openedx/themes/mytheme/lms/templates/static_templates"
```

This new template will then be used to render the new url.

- For the LMS and Studio, you can customize any of the Sass files in the static/sass directories.

## Changing fonts, background-color

- The most important elements of the theme come from the file `/themes/mytheme/lms/static/sass/partials/lms/theme/_variables.scss`. This file actually originates from Bootstrap and is used exclusively for overriding Bootstrap theme variables.
- The file `_variable.scss` is intended to be used to override any of the dozens of variables assigned in `/lms/static/sass/partials/lms/theme/_variables-v1.scss`.
- These steps we tried to apply for indigo theme. It is there as one of the themes in the themes directory.
- Second method is to write the classes you intend to overwrite in `_overrides.scss`.
- For example: If you want to change the font size for “Welcome to XR Academy”, inspect that element and find the corresponding class and write it in the `_overrides.scss` file by changing the font-size attribute.

After you are done with the changes or uploading your theme directory, run the following commands by doing ssh into the server using the private key or using the shell from the AWS.

- Rebuild the Openedx docker image:
  - **“`docker rmi overhangio/openedx:13.1.8 -f`”**
  - **“`tutor images build openedx --build-arg`  
`EDX_PLATFORM_REPOSITORY=https://github.com/yash4242/edx-platform.git --build-arg`  
`EDX_PLATFORM_VERSION=fix-upload`”**
- Restart the Openedx

- **“tutor local quickstart –non-interactive”**
- You will then have to enable our theme using
  - **“tutor local settheme mytheme”**

Successfully our theme gets changed . Multiple themes can be put in the themes directory and we use the above settheme command to enable a particular theme. We should again build the docker image if any changes are made.