



Creating a Custom Horizon Theme

Open Source Day

Agenda

- Finding your Team
- Logging In
- Finding Documentation
- Creating and Uploading Graphics
- Creating your Theme
- Configuring Horizon

Finding your Team

- Break up into groups of at least 2-3 people
- Pick your roles on the team
 - Project Leader
 - Developer (SCSS)
 - Graphic Designer
- Decide on your Humanitarian Effort

Logging In

- Each team will collect one login for their server
- `ssh stack@<IP>`
- Type in provided password

Finding the Documentation

- OpenStack version being used is Pike and Project is Horizon
- OpenStack Documentation
 - <https://docs.openstack.org>
 - <https://docs.openstack.org/horizon/pike>
 - <https://docs.openstack.org/horizon/pike/configuration/index.html>
 - Relevant sections will be Customizing Horizon, Themes, and Branding
- Color Help
 - https://www.w3schools.com/html/html_colors.asp

Creating and Uploading Graphics

- Use a graphics program to create 3 different graphics
 - logo.svg (797x228 pixels)
 - bg.png (2040x1450 pixels)
 - nav-bg.png (2040x118 pixels)
- scp images to your server
 - `scp <images> stack@<IP>:`

Creating your Theme

- Create a new theme called ghc
 - Location differences from docs due to Devstack
 - `cd /opt/stack/horizon/openstack_dashboard/`
 - `mkdir -p themes/ghc`
 - Create necessary subdirectories and files based on the documentation
 - Move your graphics to appropriate directory

Configuring Horizon

- Edit `/opt/stack/horizon/openstack_dashboard/local/local_settings.py`

- For ease in testing disable compression:

```
COMPRESS_OFFLINE = False
```

```
COMPRESS_ENABLED = False
```

- Configure Branding:

```
SITE_BRANDING = "<Title>"
```

```
SITE_BRANDING_LINK = "http://www.ghc-openstack.org"
```


Configuring Horizon (cont)

- Configure themes:

```
AVAILABLE_THEMES = [  
    ('default', 'Default', 'themes/default'),  
    ('material', 'Material', 'themes/material'),  
    ('ghc', 'ghc', 'themes/ghc'),  
]
```

- Run commands to collect changes and restart webserver:
 - `python /opt/stack/horizon/manage.py collectstatic`
 - `sudo service apache2 restart`

Q&A

Thank you for your time

Slides: <http://github.com/spotz/ghc>



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Need an Example to follow?

- Been following the docs but having issues? Well we're not leaving you in the dark. You can find the base steps to create a theme at <https://github.com/spotz/ghc/blob/master/notes.txt>
- You should choose your own colors in the SCSS files to go with your theme