



Open Source UX Design with PatternFly

January 26, 2017

www.patternfly.org



Leslie Hinson

PatternFly Lead, Red Hat



[@patternflygirl](https://twitter.com/patternflygirl)



[lhinson](https://github.com/lhinson)



Allie Jacobs

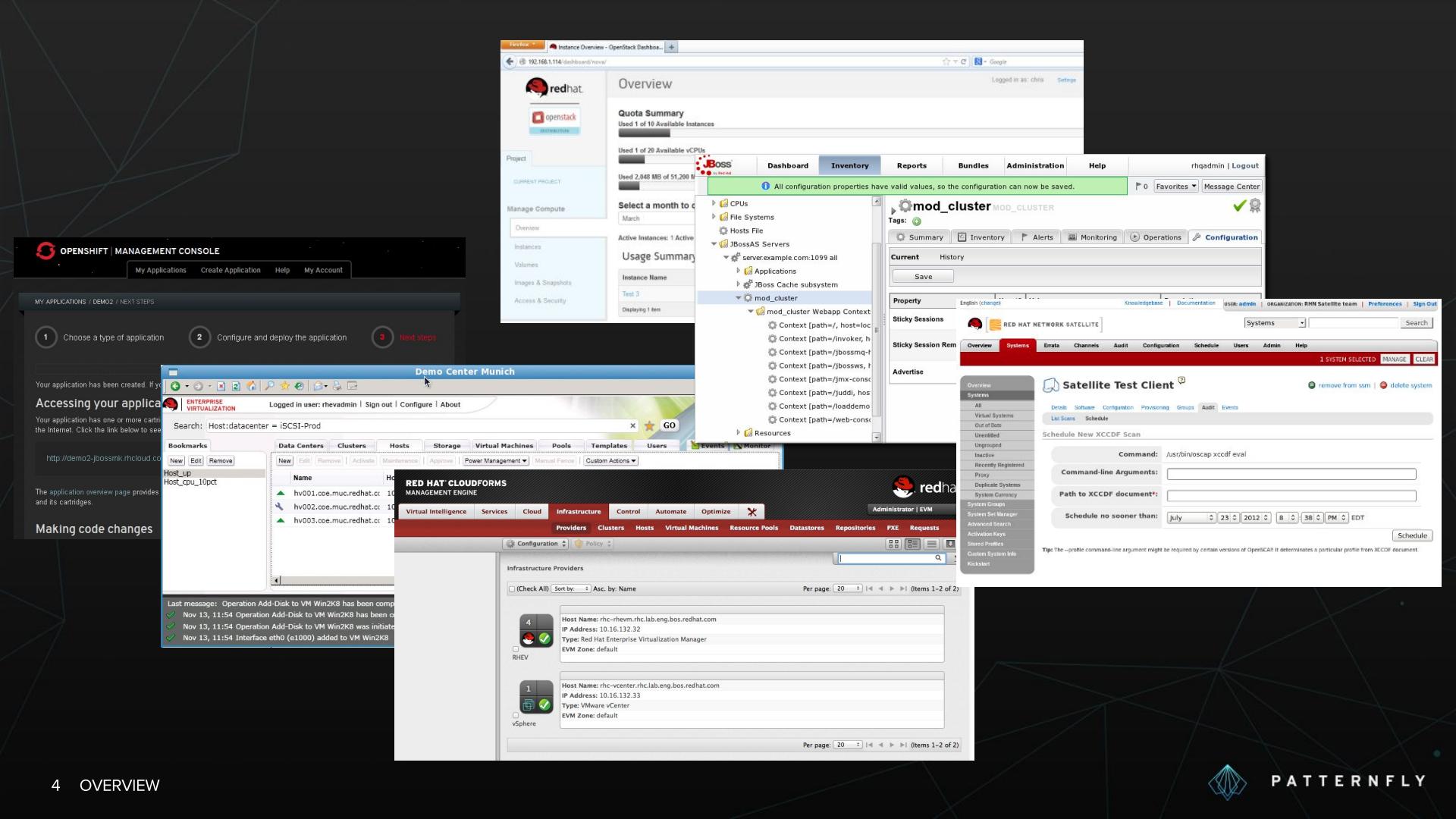
OpenShift Interaction Designer,
Red Hat

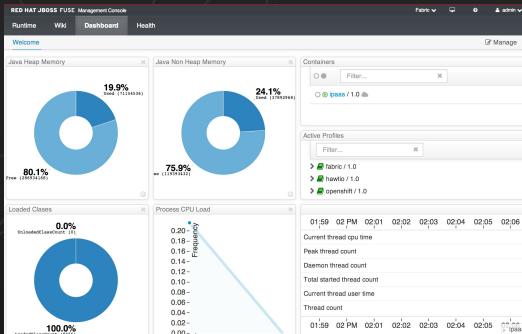


[ajacobs21e](https://github.com/ajacobs21e)

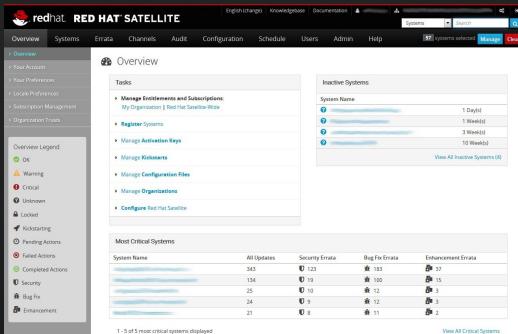


PatternFly is an open-source project started by the Red Hat UXD Team.
The first PatternFly release was on May 15, 2014.

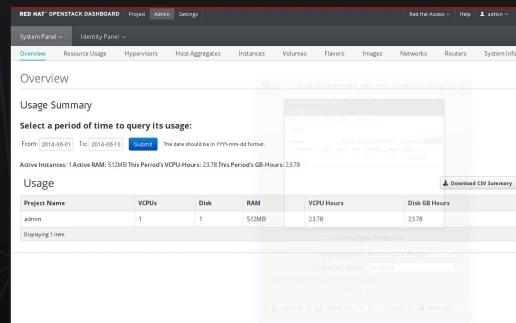




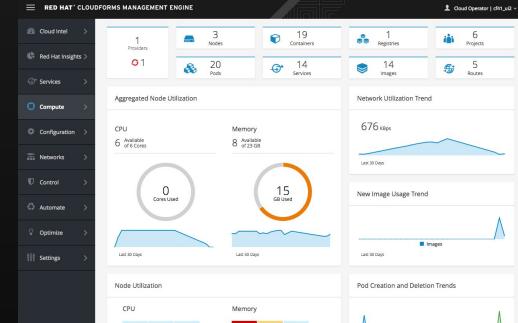
Fuse



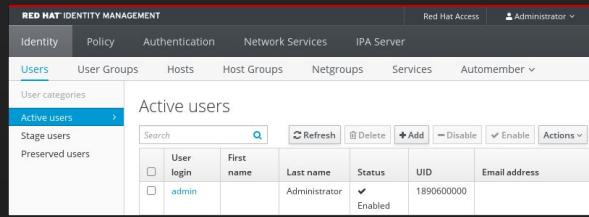
Satellite



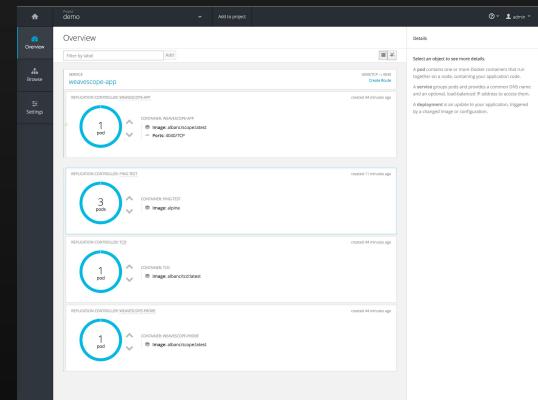
OpenStack



CloudForms



IDM



OpenShift

OUR MISSION

Powering great user
experiences through open
source design.

OPEN SOURCE DESIGN MEANS:

Publish work under an open license and give the community a chance to reuse and rework content

Contribute design work to an existing open source project.

Adapted from Garth Braithwaite's article [Open Source Design is Now Design Open](#)



PATTERNFLY

PATTERNFLY OPEN DESIGN PROCESS

(and the tools that help us manage it all)



PATTERNFLY

FOUR PHASES OF THE PATTERNFLY DESIGN WORKFLOW

- Gathering Requirements
- Conceptual Design
- Final Design
- Guidelines



GATHER REQUIREMENTS (sent via the mailing list)

[Patternfly] Requirements for Table View

- *From:* Leslie Hinson <lhinson redhat com>
- *To:* patternfly <patternfly redhat com>
- *Subject:* [Patternfly] Requirements for Table View
- *Date:* Thu, 7 Jul 2016 10:16:42 -0400

Hey everyone,

One of PatternFly's priorities is to get the Table View (<http://www.patternfly.org/pattern-library/content-views/table-view/#>) implemented and up-to-date with current needs and requirements.

Currently, our pattern design doc defines these requirements:

- * Toolbar with filter and actions
- * Sorting
- * Select Row(s)
- * Hover State
- * Inline Actions
- * Row Shading

See "Requirements for Table View" from the [July 2016 PatternFly mailing list archives](#)



PATTERNFLY

CONCEPTUAL DESIGN (delivered via the blog)



P A T T E R N F L Y

Get Started

Pattern Library

Styles

Community

Download

Blog

Search

Table View: Show/Hide Columns – Conceptual Design

Posted December 20, 2016 by [Jenn Giardino](#) & filed under [Content Views](#), [Table View](#).

Overview

The Column Visibility control enables users to define what columns are visible within a table. Column visibility helps users consume data by allowing the user to hide any data that doesn't assist the user in completing his task. The control is represented as an icon button, that when clicked, displays a dropdown menu with multi-selection enabled where the user can select which columns are visible.

There are currently two variations of the table design:

1. the toolbar is detached from the table

See “Table View: Show/Hide Columns - Conceptual Design” on the [PatternFly Blog](#)

Meta

[Log in](#)

[Entries RSS](#)

[Comments RSS](#)

[WordPress.org](#)

Categories

[Announcements](#) (1)

[Cards](#) (1)

[Communication](#) (5)

[Content Views](#) (5)



P A T T E R N F L Y

FINAL DESIGN PROPOSAL (pull request sent to repo)

 [patternfly / patternfly-design](#)

[Code](#) [Issues 20](#) [Pull requests 11](#) [Projects 1](#) [Wiki](#) [Pulse](#) [Graphs](#) [Settings](#)

Adding the Application Selector Design #102

 **Merged** **bleathem** merged 11 commits into `patternfly:master` from `beanh66:AppLauncher` 7 days ago

[Conversation 39](#) [Commits 11](#) [Files changed 9](#) 

 beanh66 commented on Dec 19, 2016 [Member](#) + 

Description

The Application Selector is a new design pattern that gives the ability to launch additional applications from a logged in area.

Reviewers

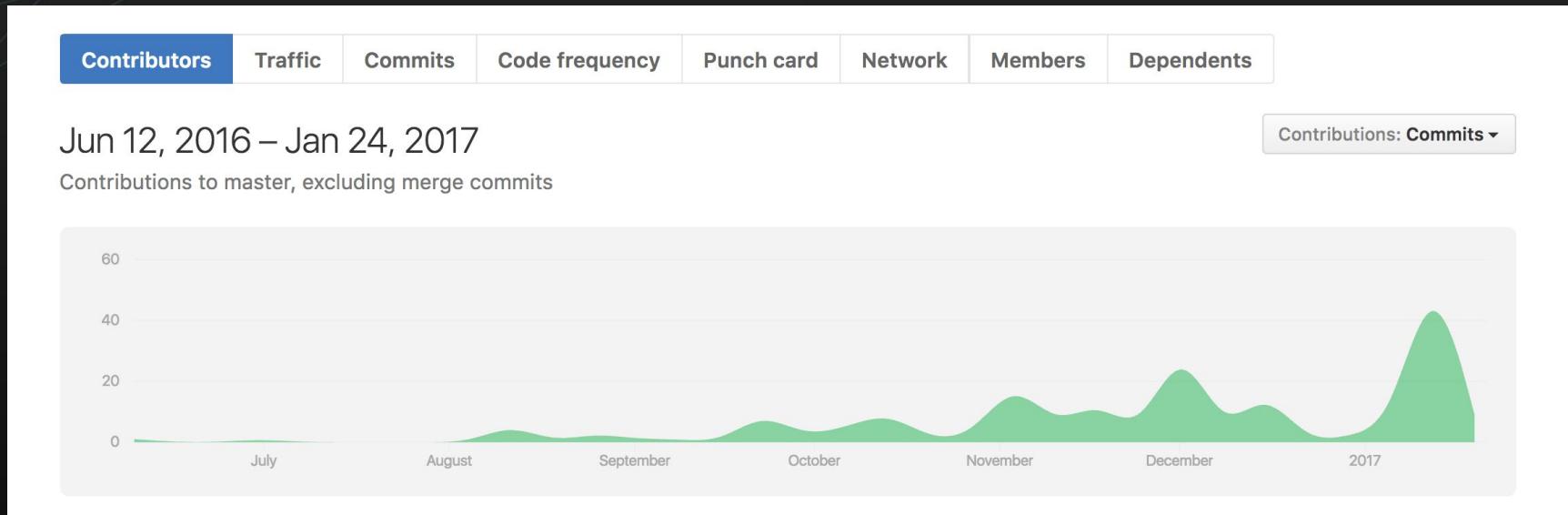
 LHinson	
 catrobson	
 mcarrano	
 serenamarie125	

See the [Adding the Application Selector Design #102](#) on the [GitHub PatternFly Design Repo](#)



PATTERNFLY

CONTRIBUTORS on the GitHub design repo



See the [Contributors page](#) on the [GitHub PatternFly Design Repo](#)



PATTERNFLY

GUIDELINES are posted to the site

The screenshot shows the Patternfly website interface. At the top, there is a dark header with the Patternfly logo, navigation links for Get Started, Pattern Library, Styles, Community, Download, Blog, and a search bar. Below the header, the main content area has a left sidebar titled "Pattern Library" containing sections like Overview, Application Framework (with "Launcher" selected), Login Page, Masthead, Cards, Communication, Content Views, and Dashboard. The main content area is titled "Launcher" and includes tabs for Overview (selected), Design, and Code. The "Overview" tab contains text about the Launcher pattern, mentioning its purpose of allowing users to quickly navigate between interfaces. It also describes the Launcher Menu and Launcher Home components and their functions. Below this, there are two more paragraphs of text providing additional context and instructions for using the Launcher pattern.

Launcher

Overview

Application Framework

- Launcher**
- Login Page
- Masthead
- Cards
- Communication
- Content Views
- Dashboard

The Launcher allows users to see all available interfaces from one area of an application. This pattern makes it easier for users to quickly navigate to different interfaces without logging out. The pattern consists of two parts, the Launcher Menu and the Launcher Home (optional). Both parts display all available interfaces, with the Home screen also acting as a landing page for additional resources and documentation.

The Launcher Menu can be used without the Launcher Home, but the Launcher Home is recommended for any application that has between one and four interfaces available and has a need to provide additional context around functionality of those interface options.

The Launcher pattern is NOT meant to be an alternative to displaying [Vertical Navigation](#) or [Horizontal Navigation](#).

The Launcher Menu should be accessible from the [Masthead](#) using the Launcher icon detailed in the Design tab.

See the the [Launcher pattern](#) on the [patternfly.org](#)

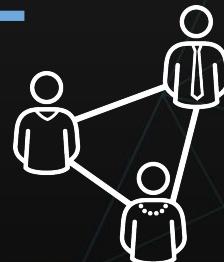


PATTERNFLY

OTHER WAYS WE COMMUNICATE



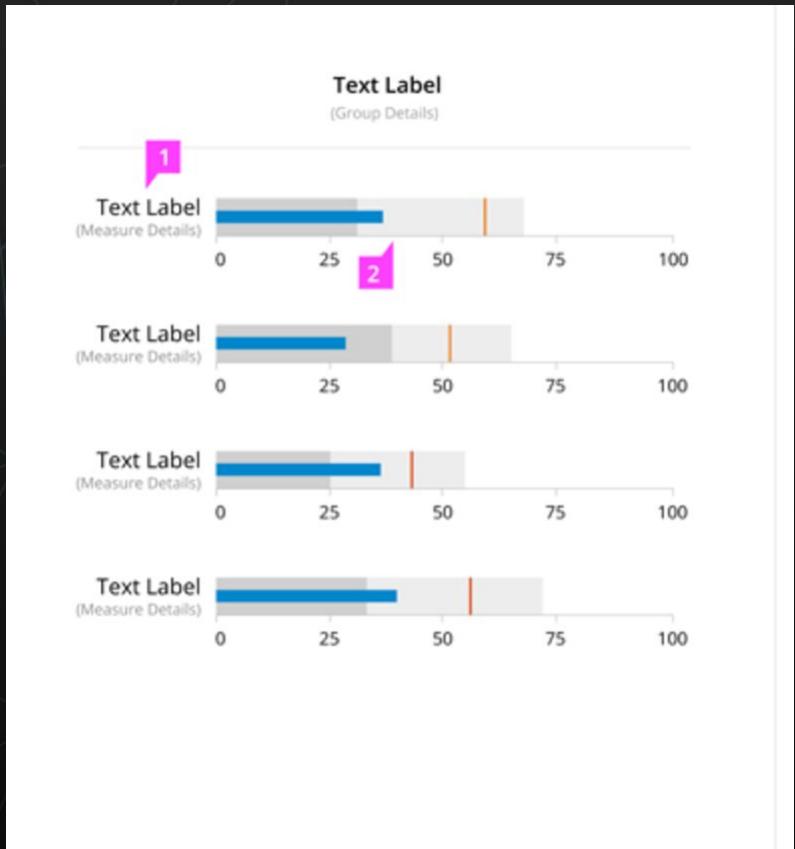
Slack and
Community meetings



EXTERNAL CONTRIBUTION



PATTERNFLY



The team at Smashing Boxes is very much in favor of open source design and development, so they loved the idea of contributing to PatternFly.

Lucas Brauer, Interaction Designer at Samsung (formerly at Smashing Boxes), contributed the designs and design docs for [Bullet Chart](#)



PATTERNFLY

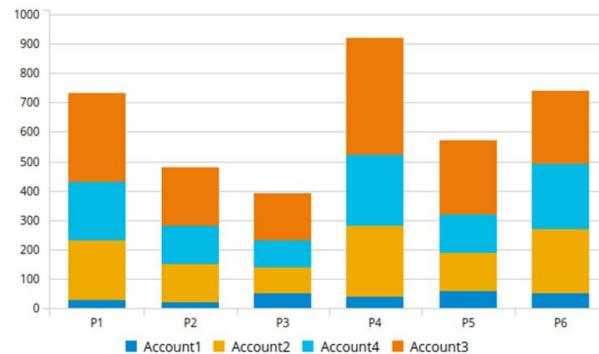
mresti commented on Dec 20, 2016

Contributor



Hi,

I've just started working on a project using Patternfly. One of the requirements of this project is to use Stacked Bar Chart:



This chart is a bar chart that I had developed using patternfly, but I didn't find in the documentation an example for stacked bar chart (https://www.patternfly.org/pattern-library/data-visualization/bar-chart/#_).

Can I send a PR with an example to use Stacked Bar Chart in projects?

Assignees



No one—assign yourself

Labels



None yet

Projects

None yet

Milestone



No milestone

Notifications

[Unsubscribe](#)

You're receiving notifications because you were mentioned.

3 participants



Esteban Dorado Roldan, BEEVA, contributed the [Stacked Bar Chart](#)



PATTERNFLY



Jonathan Yu @jawnsy · Jan 6

I love open source because we can work together, across teams and even organizations, to the benefit of our community and users



Leslie Hinson @patternflygirl

@jawnsy thx for your review on the @patternfly_des buttons PR. Great feedback! #community #opendesign github.com/patternfly/pat...



2

7



PATTERNFLY

MY PRODUCT



Interaction designer

PatternFly stealer user



PATTERNFLY

BEFORE

OPENSHIFT ORIGIN

Tuesday the 8th » Add to Project

Select Image or Template

Choose from web frameworks, databases, and other components to add content to your project.

Filter by keyword Browse ▾

Instant Apps

-  ruby-helloworld-sample
INSTANT-APP RUBY MYSQL

PHP

-  php:5.5
BUILDER PHP
-  php:5.6
BUILDER PHP
-  php:latest
BUILDER PHP

Perl

-  perl:5.16
BUILDER PERL
-  perl:5.20
BUILDER PERL

Java

-  wildfly:10.0
BUILDER WILDFLY JAVA
-  wildfly:8.1
BUILDER WILDFLY JAVA
-  wildfly:9.0
BUILDER WILDFLY JAVA
-  wildfly:latest
BUILDER WILDFLY JAVA

Ruby

-  ruby:2.0
BUILDER RUBY
-  ruby:2.2
BUILDER RUBY



PATTERNFLY

BEFORE

Hidden
filter

Uneven
columns

OPENSHIFT ORIGIN

Tuesday the 8th » Add to Project

Select Image or Template

Choose from web frameworks, databases, and other components to add content to your project.

Filter by keyword Browse ▾

Instant Apps

- ruby-helloworld-sample INSTANT-APP RUBY MYSQL

PHP

- php:5.5 BUILDER PHP
- php:5.6 BUILDER PHP
- php:latest BUILDER PHP

Perl

- perl:5.16 BUILDER PERL
- perl:5.20 BUILDER PERL

Java

- wildfly:10.0 BUILDER WILDFLY JAVA
- wildfly:8.1 BUILDER WILDFLY JAVA
- wildfly:9.0 BUILDER WILDFLY JAVA
- wildfly:latest BUILDER WILDFLY JAVA

Ruby

- ruby:2.0 BUILDER RUBY
- ruby:2.2 BUILDER RUBY

Confusing
numbering
/ duplicates



PATTERNFLY

My design process

- Open design requirements 
 - Schedule, timeline, needed stakeholder input
- Community design review 
- Trello / GitHub



PATTERNFLY TO THE RESCUE

- Faster designs
- Focus on complex interactions
- Smoother design reviews
- Code

AFTER

The screenshot shows the OpenShift Origin interface. The top navigation bar includes icons for back, forward, and refresh, followed by the 'OPENSHIFT origin' logo, 'Documentation', and a user account dropdown. The main title is 'Project-Name >> Add to Project >> Select Component'. Below this, there are three tabs: 'Select Component' (which is underlined in blue), 'Deploy Image', and 'Import File'. A search bar labeled 'Filter' is present. The interface is divided into sections: 'Languages' and 'Technologies'. The 'Languages' section contains cards for Java, JavaScript, Perl, PHP, Python, and Ruby, each with a count of 6. The 'Technologies' section contains cards for Continuous Integration, Databases, Messaging, and Single Sign On, with counts of 3, 7, 3, and 1 respectively. A note below the first card says 'Watch your stuff go down the pipeline.'

Toolbar
filter
Dashboard
card (base)



PATTERNFLY

AFTER

The screenshot shows the OpenShift origin interface. The top navigation bar includes 'OPENSHIFT' and 'origin' on the left, and 'Documentation' and 'Administrator' on the right. Below the navigation is a breadcrumb trail: 'Project-Name >> Add to Project >> Select Component'. A sidebar on the left lists 'Overview', 'Applications', 'Builds', 'Resources', 'Storage', and 'Monitoring'. The main content area has tabs: 'Select Component' (which is active), 'Deploy Image', and 'Import File'. A search bar with a 'Filter' button is present. Below it, a message says 'Find images or templates to add to your project or browse categories to see what is available in the OpenShift catalog.' A 'Filter' input field and another 'Filter' button are shown. The results section displays two items: 'JBoss EAP' and 'JBoss EAP Quickstarts'. Each item has a small icon, a title, a brief description, a 'version' dropdown (set to '6.1'), and a 'Select' button.

Toolbar
filter
Dashboard
card with
buttons



PATTERNFLY

NEW PATTERN

The screenshot shows the OpenShift Origin web interface. The top navigation bar includes icons for back, forward, and refresh, followed by the "OPENSHIFT origin" logo, a search bar, "Documentation", and a user account dropdown for "Administrator". The main header reads "Project-Name >> Add to Project >> Select Component". Below this, there are three buttons: "Select Component" (which is underlined in blue), "Deploy Image", and "Import File". A sidebar on the left contains icons and labels for "Overview", "Applications", "Builds", "Resources", "Storage", and "Monitoring". The main content area displays a search bar with the placeholder "Filter" and a status message "Find images or templates to add to your project or browse categories to see what is available in the OpenShift catalog.". It shows "0 Results" and "Active Filters: dogs x Clear all filters". The central message "No results" is followed by the sub-message "No components match your filter." and a blue "Clear All Filters" button.

Project-Name >> Add to Project >> Select Component

Select Component Deploy Image Import File

Find images or templates to add to your project or browse categories to see what is available in the OpenShift catalog.

Filter Filter

0 Results Active Filters: dogs x Clear all filters

No results

No components match your filter.

Clear All Filters

OVERVIEW APPLICATIONS BUILDS RESOURCES STORAGE MONITORING



PATTERNFLY

DEVIATIONS



PATTERNFLY ENTERPRISE APPLICATION

Dashboard

Dolor

Ipsum >

Amet >

Adipiscing

Lorem

Ipsum

Intellegam

Copiosae

Patrioque

0 Ipsum

+ 0

0 Ipsum



Projects

Project
My Project



Add to project

Overview

Applications >

Builds >

Resources >

Storage

Monitoring

Builds

Pipelines

Images

PatternFly

OpenShift



PATTERNFLY

OPEN DESIGN IN THE NON OPEN SOURCE WORLD

- Write a post mortem of the process
- Publish the source files for unused variations
- Internal design community
- Share goals and progress for a personal project



Join the conversation!

- [Slack](#)
- [Mailing List](#)
- [Blogs](#)
- [Twitter](#)
- [PatternFly Design on GitHub](#)
- [Community meetings](#)

THANK YOU



twitter.com/patternfly_des



blog.patternfly.org/