# OpenShift v3 Console Interaction Design

**Date:** 22 Dec 2014

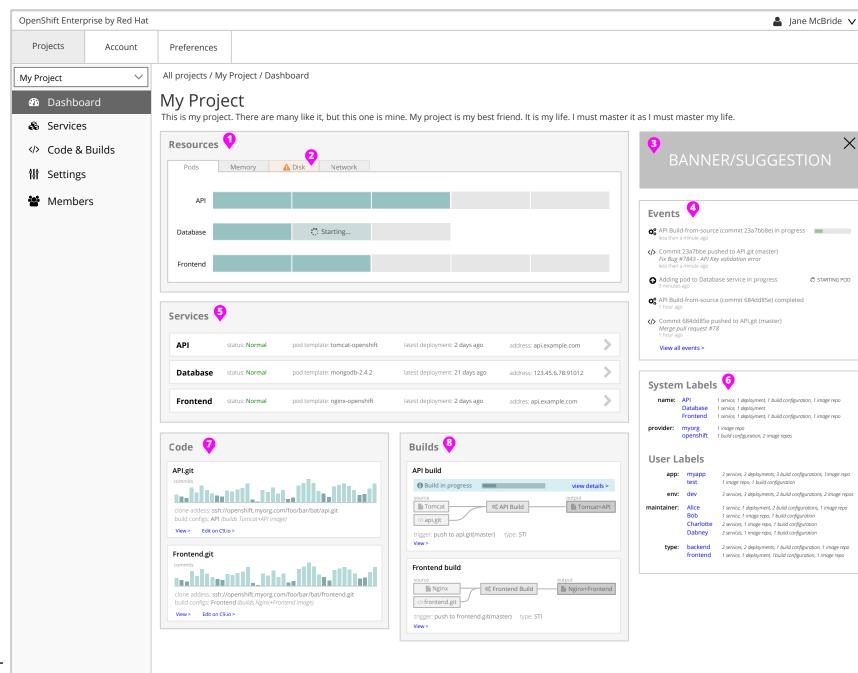
Version: 0.4

**Author:** Emily Dirsh

**Email:** edirsh@redhat.com

IRC: edirsh @ redhat / Emichan @ Freenode



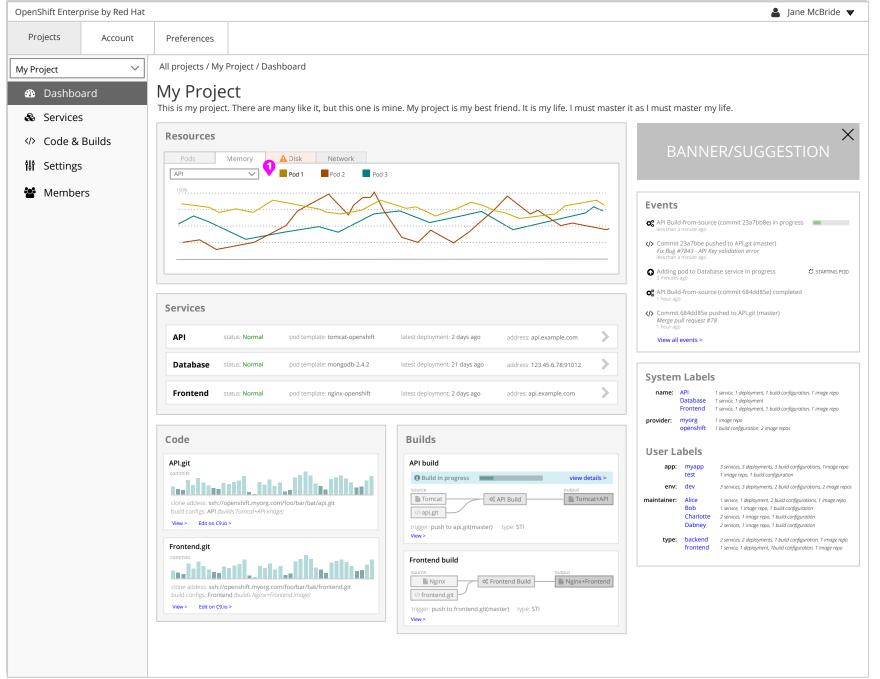


# Project Dashboard

The first/default view of a project. Intended to give a comprehensive overview of a project. If the user is viewing multiple projects, then the information would be aggregated from all of the projects. The boxes shown in this mockup are intended to be the default information provided by OpenShift, but this dashboard could be extended or customized by other projects the user has installed/configured such as hawt.io.

- 1 The Resources box covers the resources your project(s) is (are) using. The tabbed interface allows us to include several relevant resource visualizations without having them take up the entire page. (Optional enhancement remember the active tab between sessions)
- Resource tab changes color and includes an alert to show that resource needs attention. This most likely means the resource is close to running out, but could act as an alert for other conditions depending on the relevance to the resource.
- 3 Banner/suggestion placeholder is optional. We can use this space for a banner, or for suggested actions based on the state of the project(s). For instance, prompting a user to add a git repo if there isn't one already set up.
- The events list shows the latest 5 events. It should include progress bars or status updates for events in progress. It links to the comprehensive event view.
- Services as treated as the top-level container within the project(s). The listing on the dashboard is designed to be compact, but still give enough identifying information so that the status rollup is meaningful. The user can click on the entire blade to view the service detail page.
- The labels box is intended to surface labels to the user as a useful means of grouping the objects in the project(s). The labels are grouped by the generator of the label either an OpenShift/Kubernetes automatically applied label, or a usergenerated label. Labels are further grouped by key. Clicking on a particular value will act as a filter.
- 7 The code box gives some commit history visualization for each git repo associated with the project(s), and some basic information. We can also potentially include an action link to open the repo in a web IDE such as Cloud9.
- The Builds box includes a graph visualization of each build process and basic build information. Any builds in progress can be surfaced as part of the build information in the box.

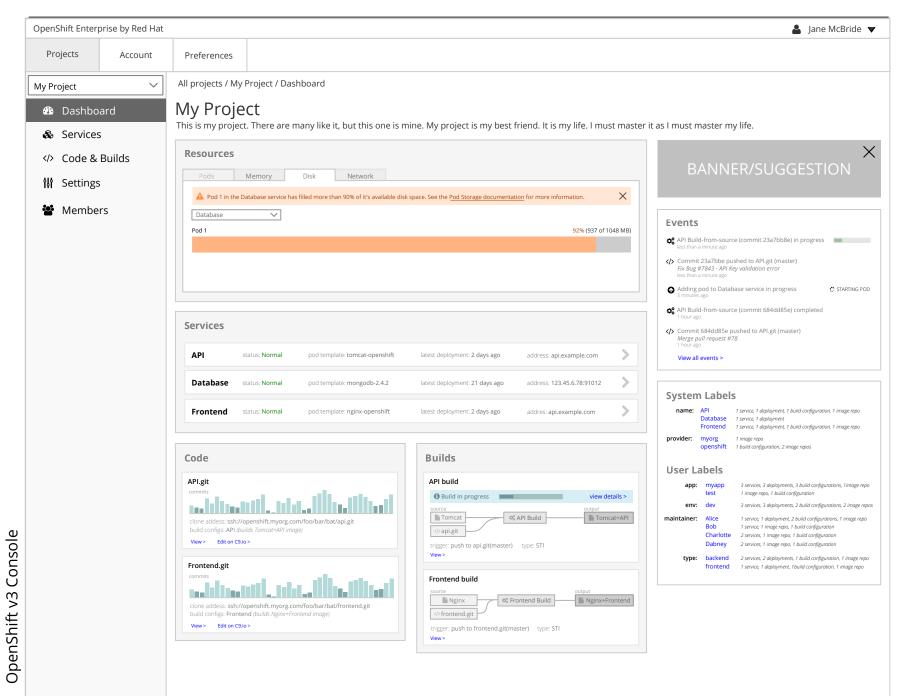




## Memory resource tab

The memory resource tab is broken out by service and pod. The service using the most memory should be shown by default.

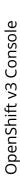
1 The user can choose another service to display by selecting it from the dropdown.

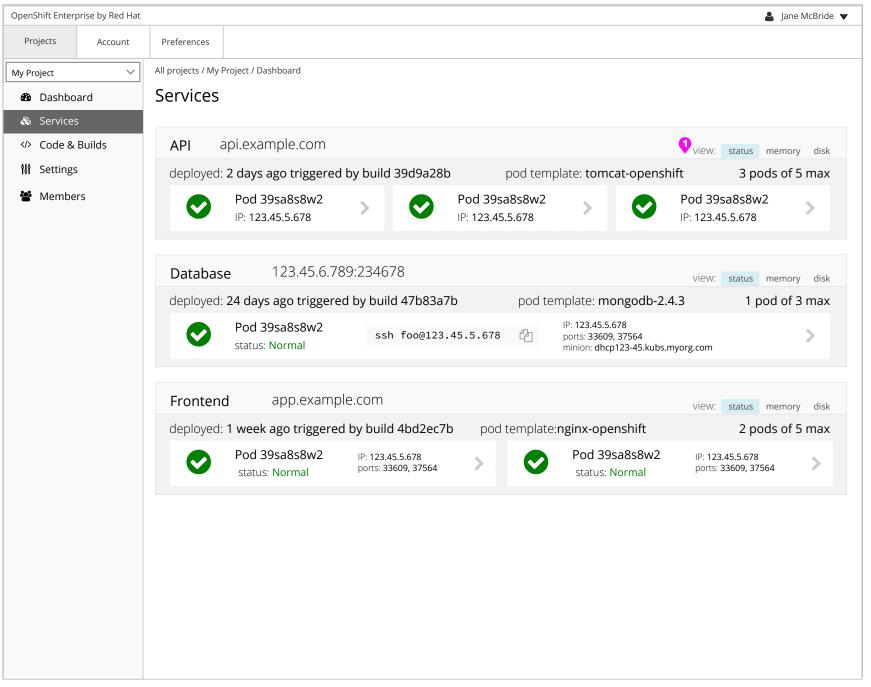


### Disk resource tab

When an alerted tab is selected, the tab reverts to normal active color, but the alert is displayed at the top of the tab content.

When disk usage goes past a specific threshold, the progress bar changes color to indicate the severity.

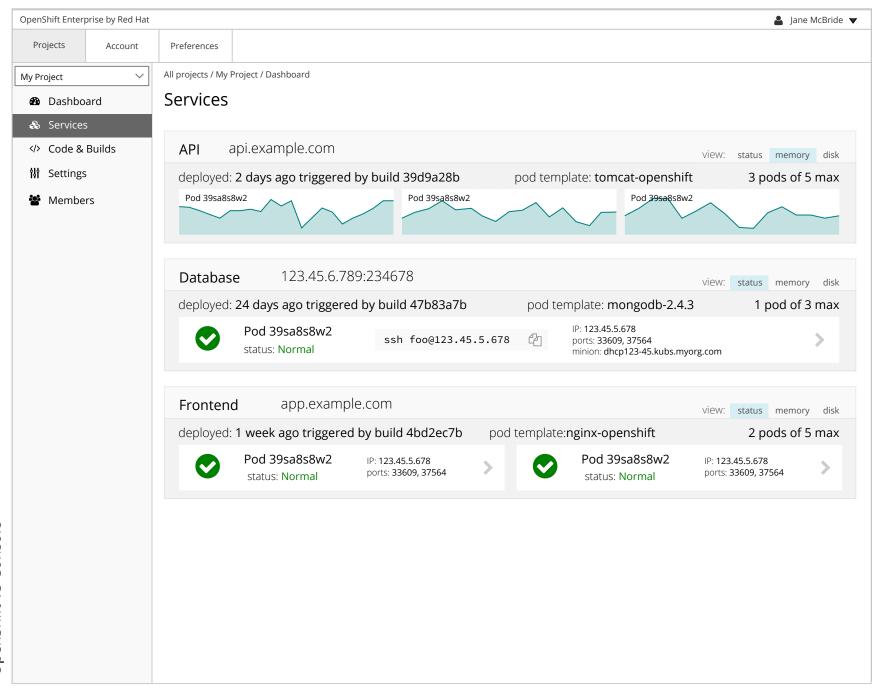




# Services page

The services listing page gives a more detailed overview of the services in a project than the dashboard. The pod display is adaptive depending on the number of pods in a service

The pod display can be switched between status/basic pod information and various resource visualizations.



# Memory resources view