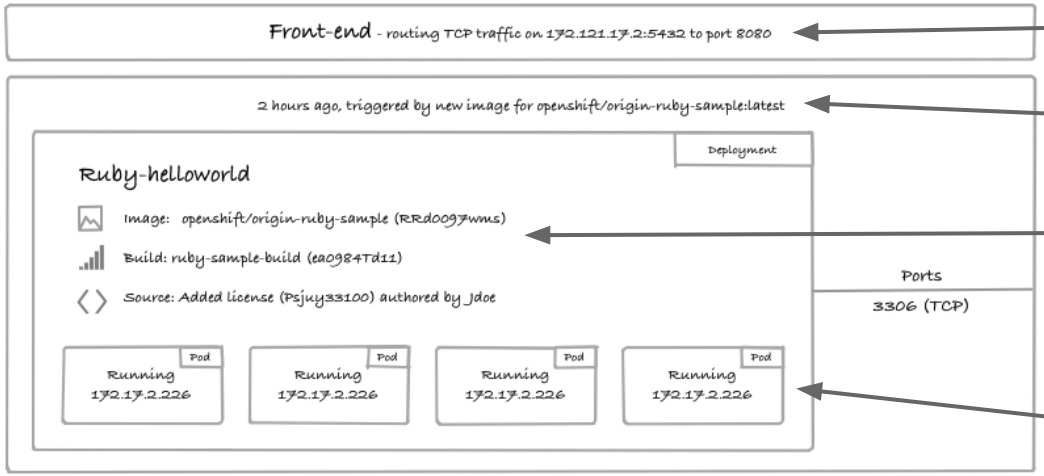
Structural overview of k8s and OpenShift resources



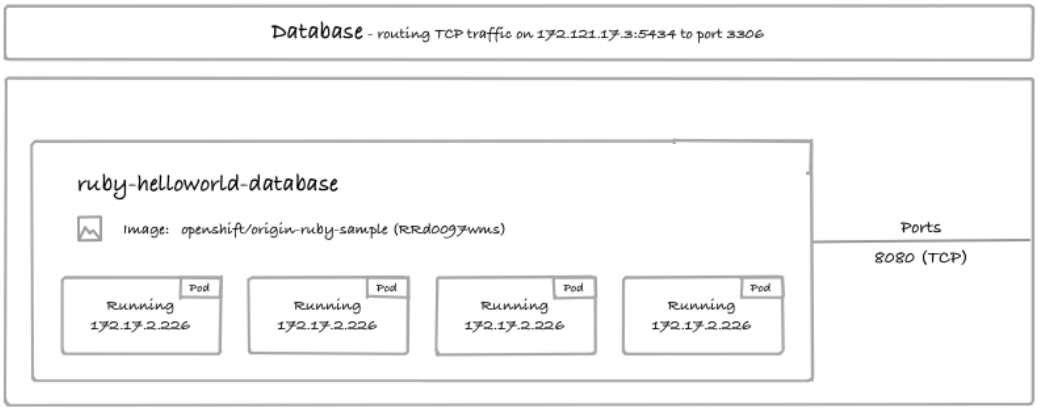
What's being shown:

k8s Service, shows the IP and port that is being exposed within the cluster. Visually it should be associated with the things that it is routing to.

OpenShift Deployment, shows when and why the deployment was triggered, visually associated with what is running in the deployment

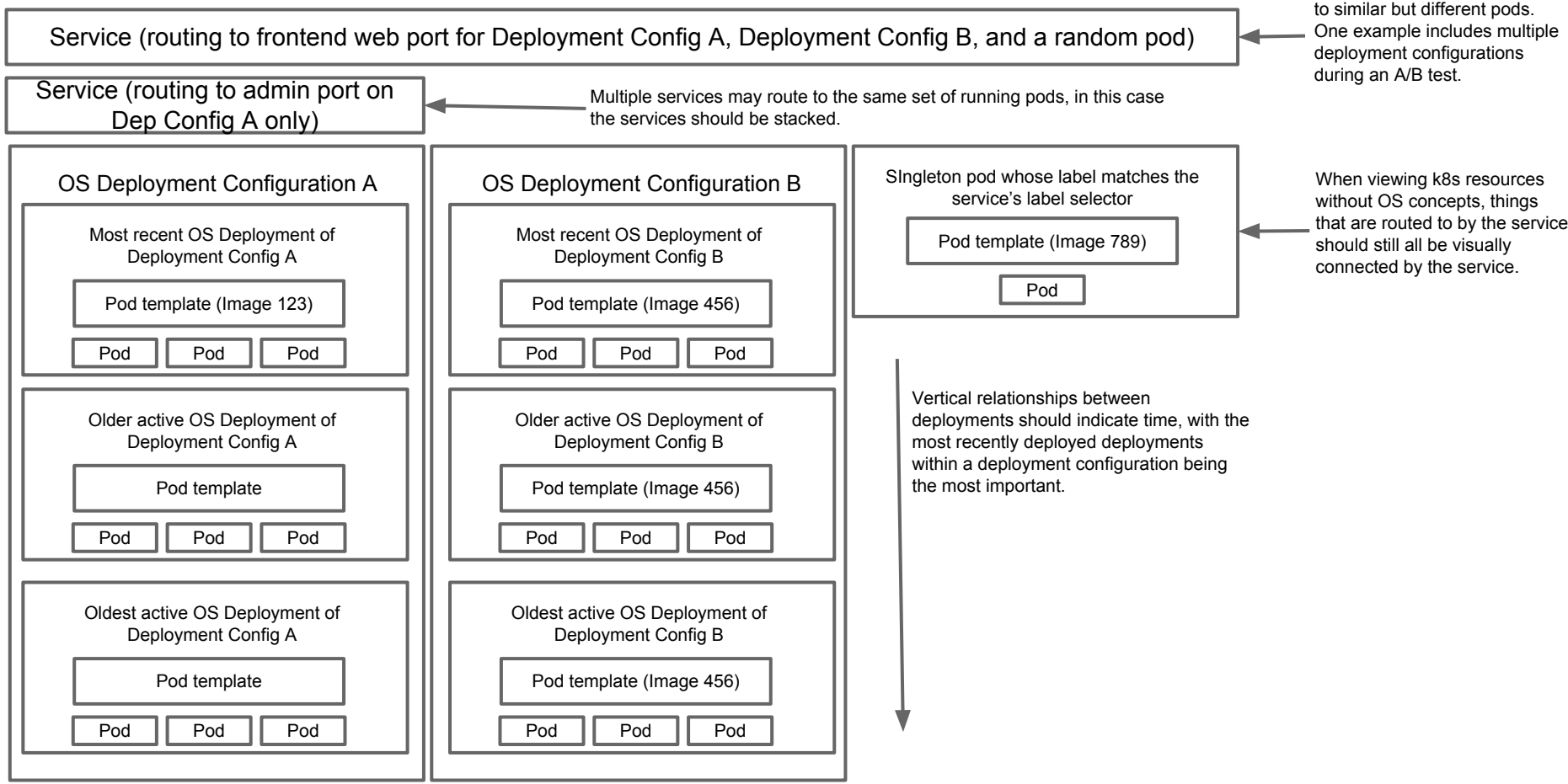
k8s/OS Pod Template (what am I actually running), shows what image is running. if the image came from OS build process then it includes build info. Shows source info that went into the build when it is known.

k8s Pods, the actual instances of the pod template including a minimal amount of status (state, IP, etc).



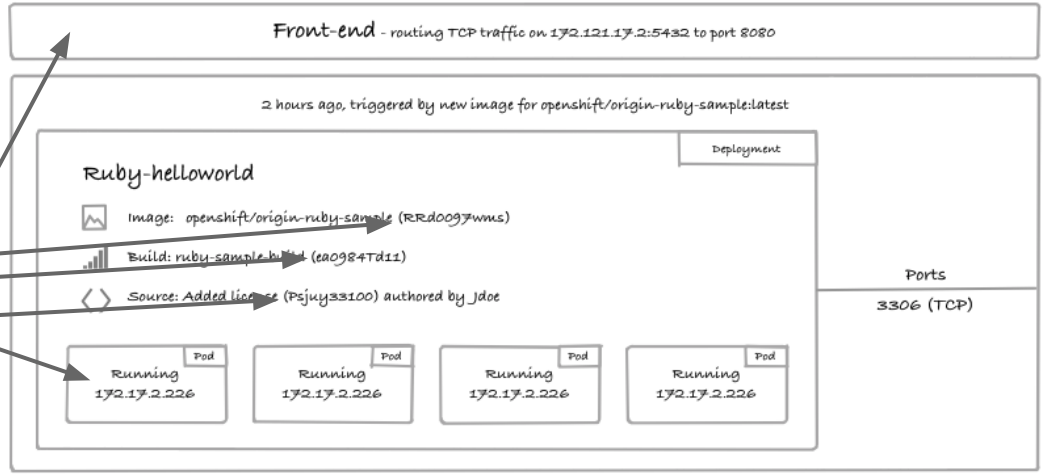
Example of the same visualization applied to only k8s resources.

Structural overview of k8s and OpenShift resources - complex scenarios

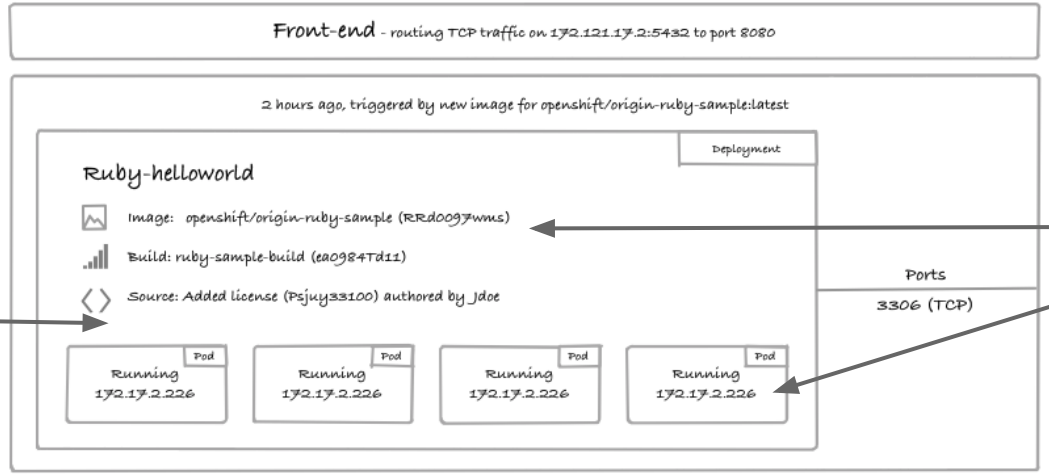


Interaction with the overview

Clicking on a specific resource navigates to the detailed information and status for that resource (service, image, build, source, pod, etc). In OS navigation structure this would be underneath Browse



Possible extension points within the overview

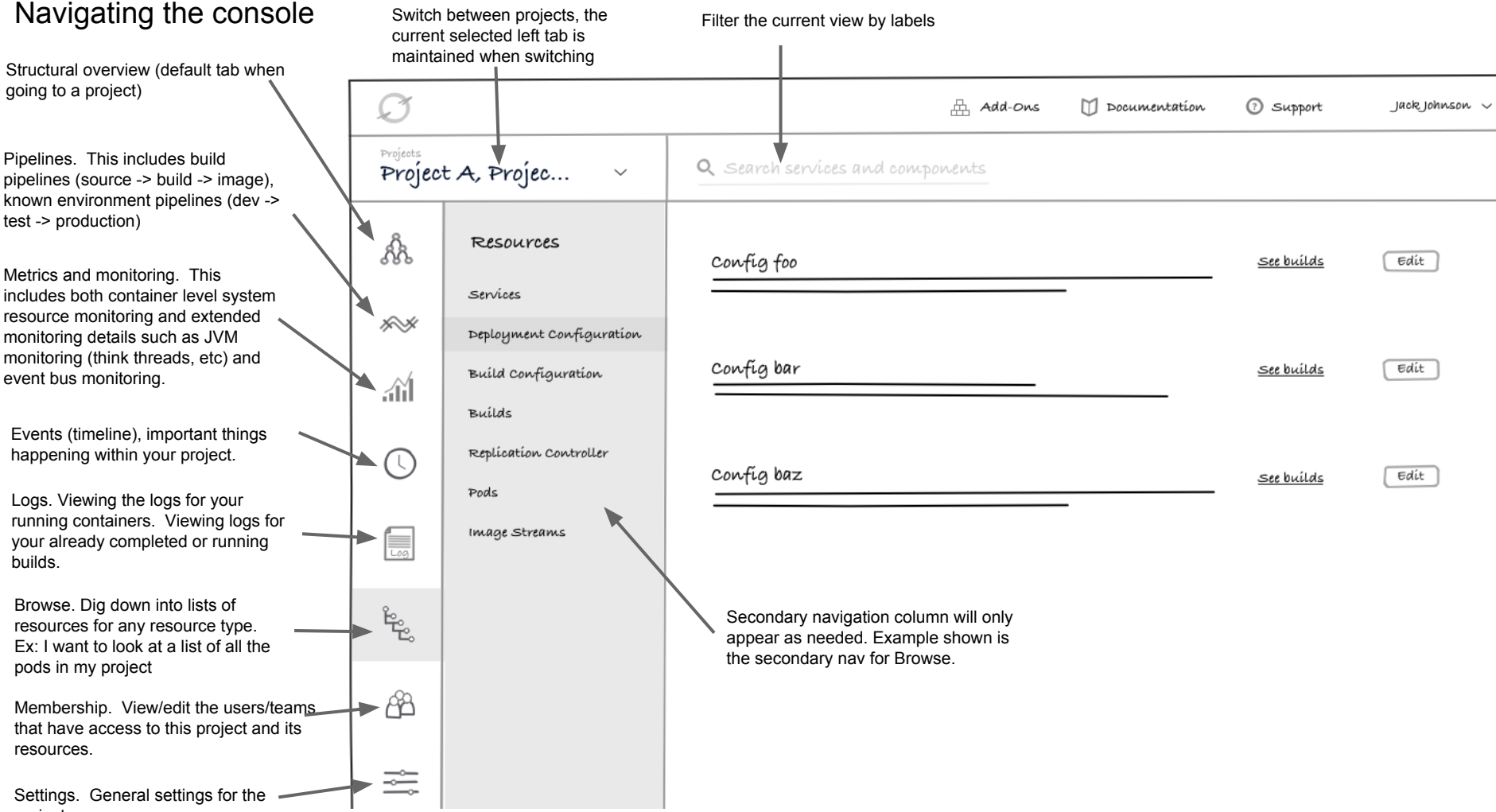


Additional details for what is running in the pods. Ex: if we know it is a JBoss image and that it has Camel routes configured then inject a link to view the Camel routes

Entire sections could be swapped out with other visual representations. Pod template, pod details, etc

Area beneath the deployment may provide suggestions. Ex: I am running the Rails image but I have no database images running in my project, suggest setting up a DB service.

Navigating the console



Additional wireframes live in the OpenShift Origin repo