LAB OCP 1
What's new in OpenShift 4

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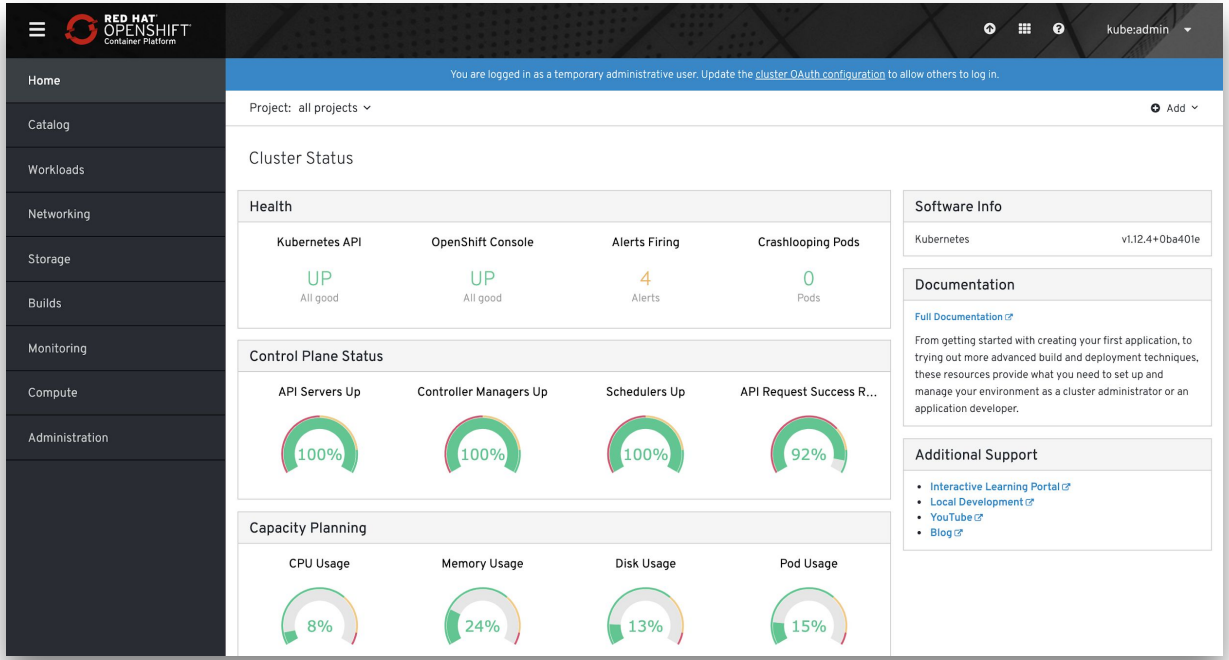
Red Hat

Introduction in HandsOn Environment

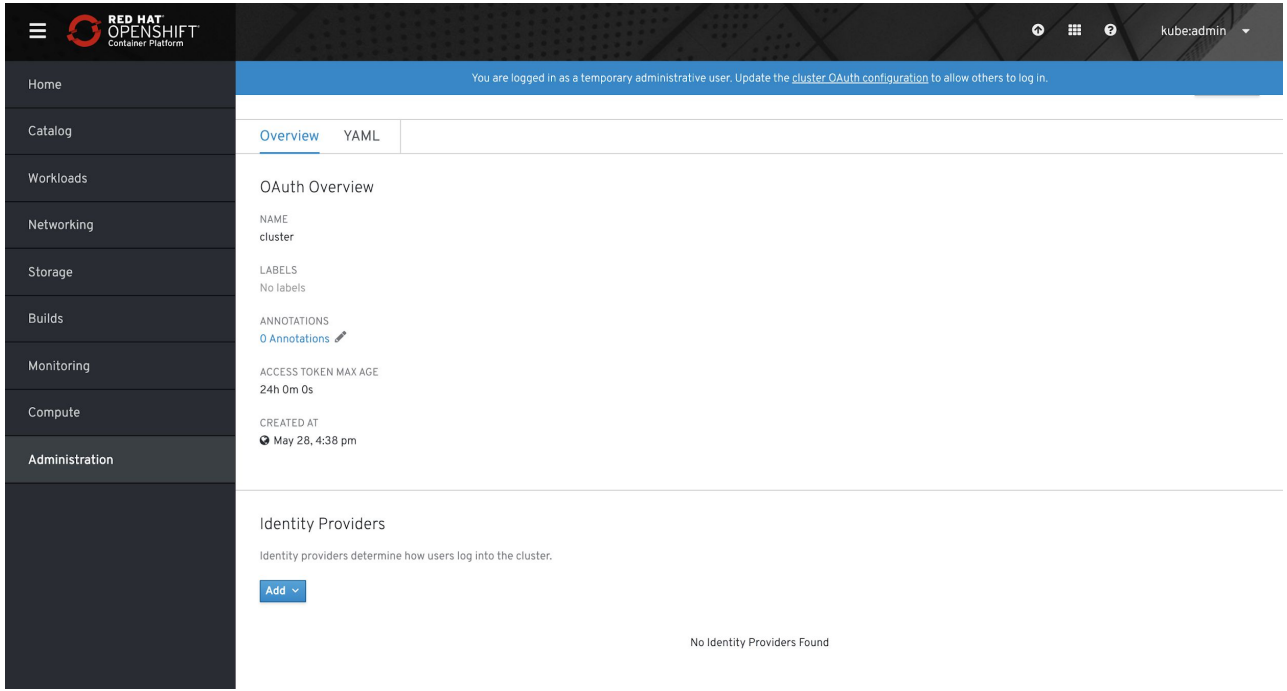
OpenShift 4 / LAB 1

Introduction to the new web console

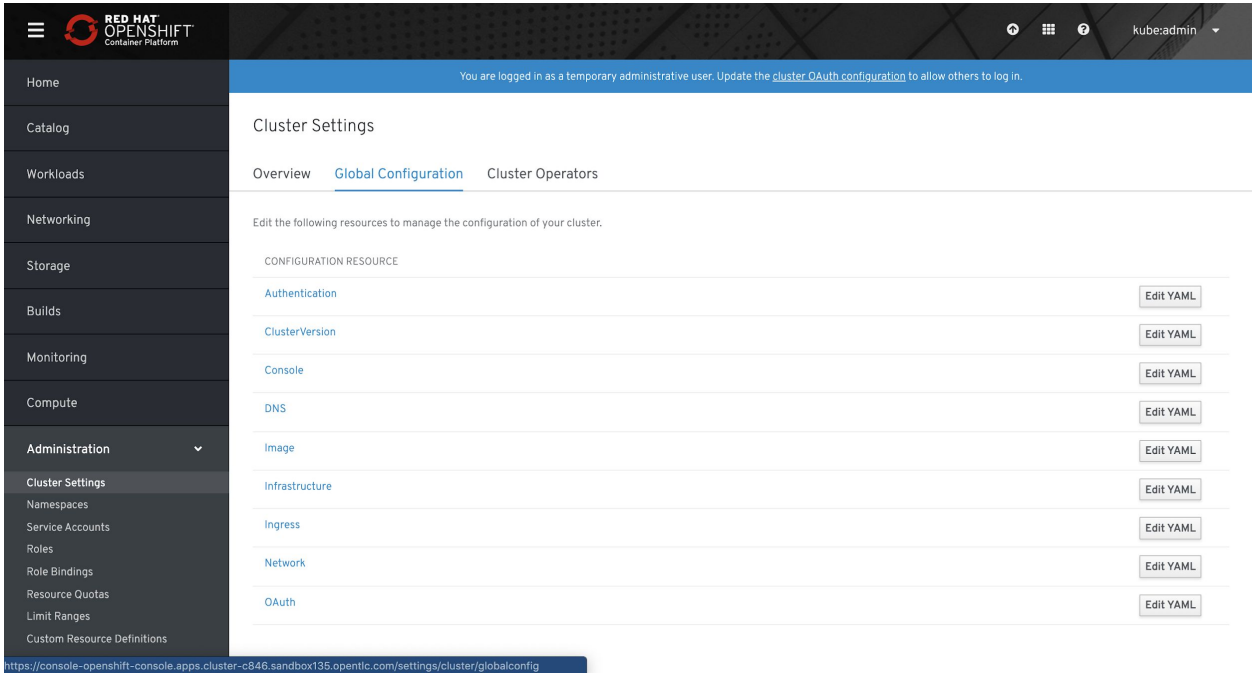
- Navigate the interface
- New usermanagement
- Cluster Settings



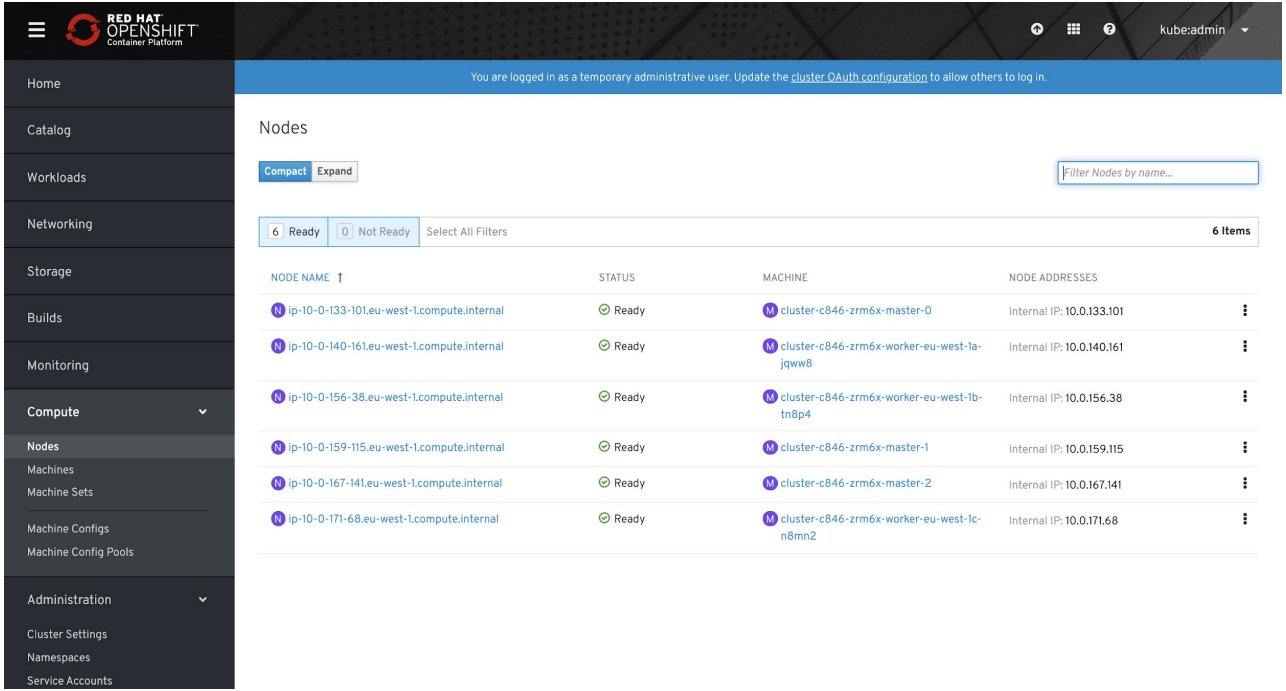
New User Managemement



Cluster Settings



Compute Overview



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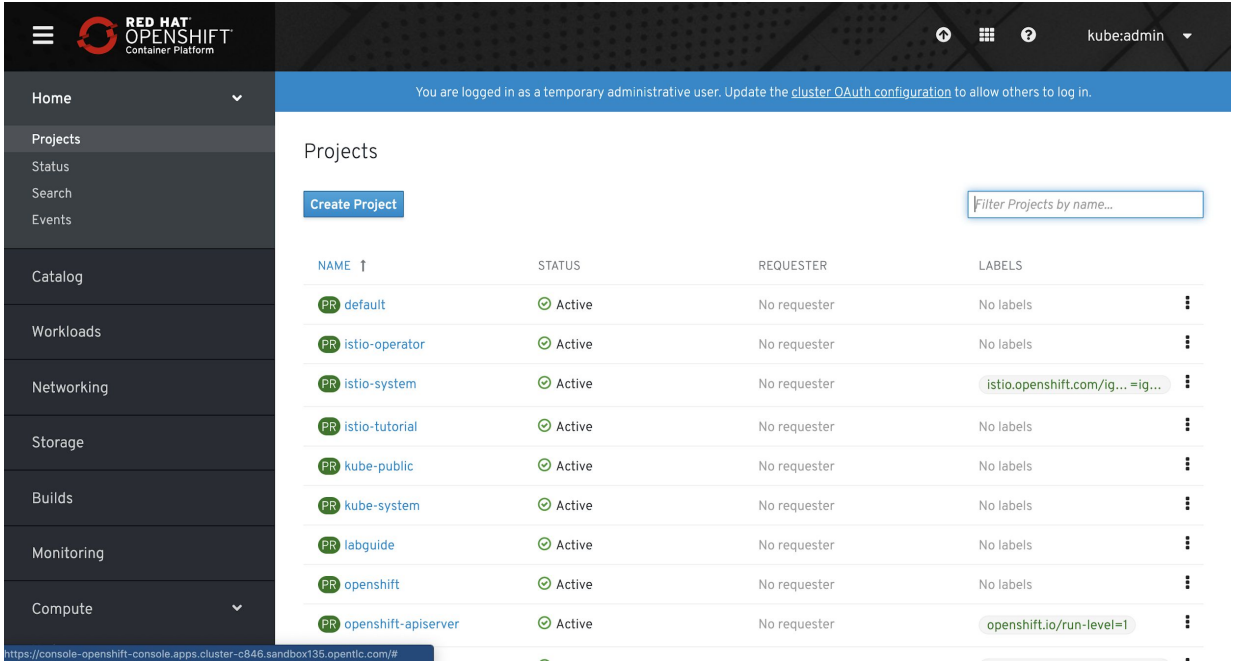
Lab: „Manage OpenShift”

OpenShift 4 / LAB 2

Click to add subtitle

- Create a project
- Manage storage
- Manage networking
- Add features from operator hub
- Monitoring
- Logging



Create a project

Create a project

Log in to your OCP Console, open the Home Tab and click on Projects

Click on the create „Projects Button“

Name your Project according to your User Number /testX

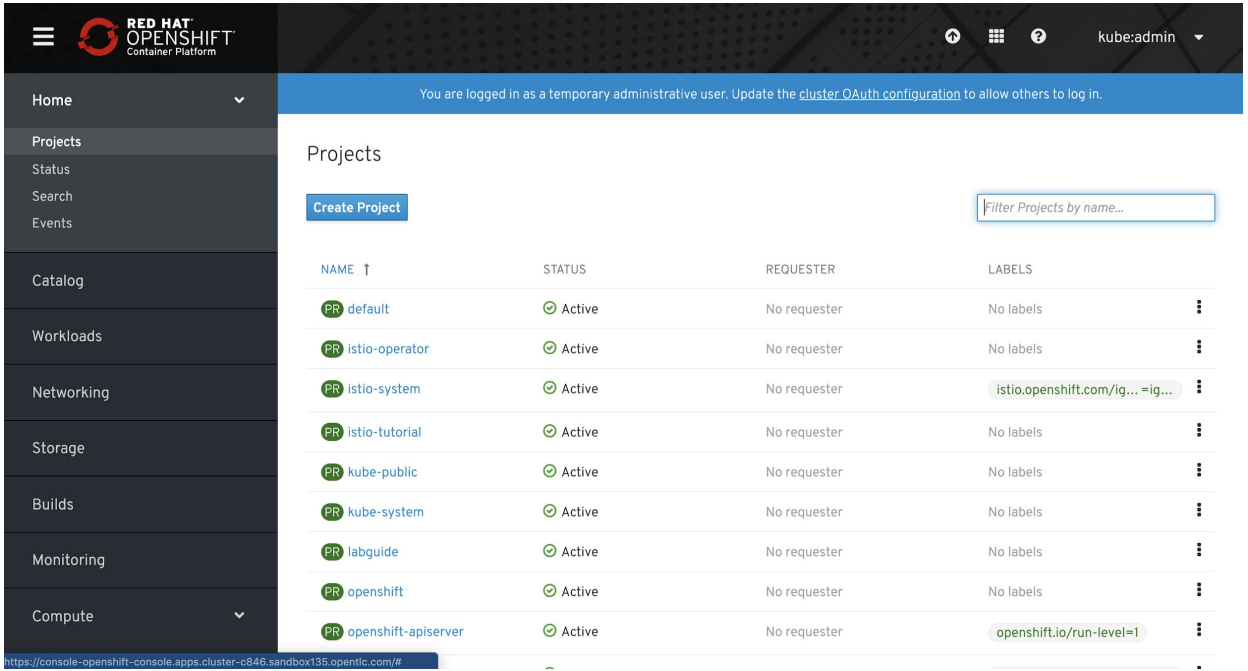
Click on „Browse Catalog“

Choose whatever environment you want and push the „Create Application“ Button

Use the prepared Sample Repository by clicking on Try Sample

Checkmark the „Create route“ box

Press the „create“ button



Manage Storage

Manage Storage

Click on „Projects“ under the „Home Tab“

Search for your App (e.g. test1) and click on it

click on the „Actions“ Button right

Choose „add storage“

Create a new claim

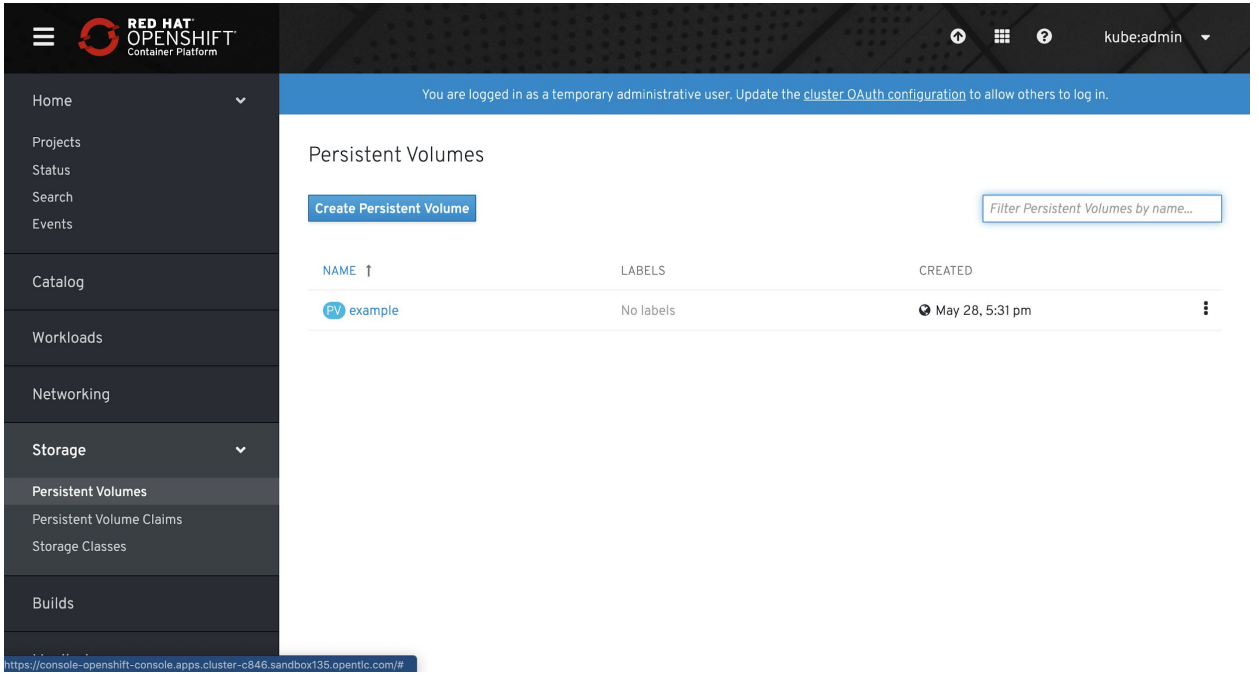
Look at Storage class -> gp2

Name the Claim with „test<X>“

Single user access

Storage size

Type „/files“ into Mount Path



Manage Networking

Open the „Networking tab“

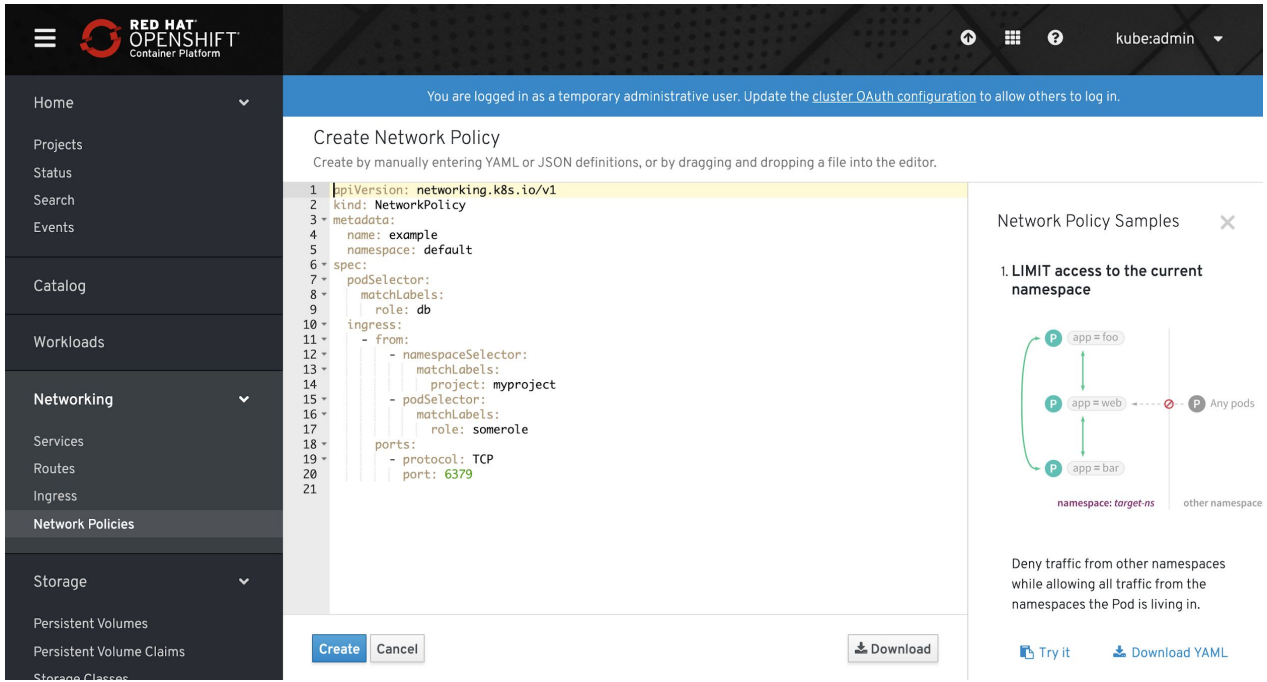
Click on Routes

Fin de the Route for our App

Click on Network policies

Create NetWork Policy

Discover the Samples on th

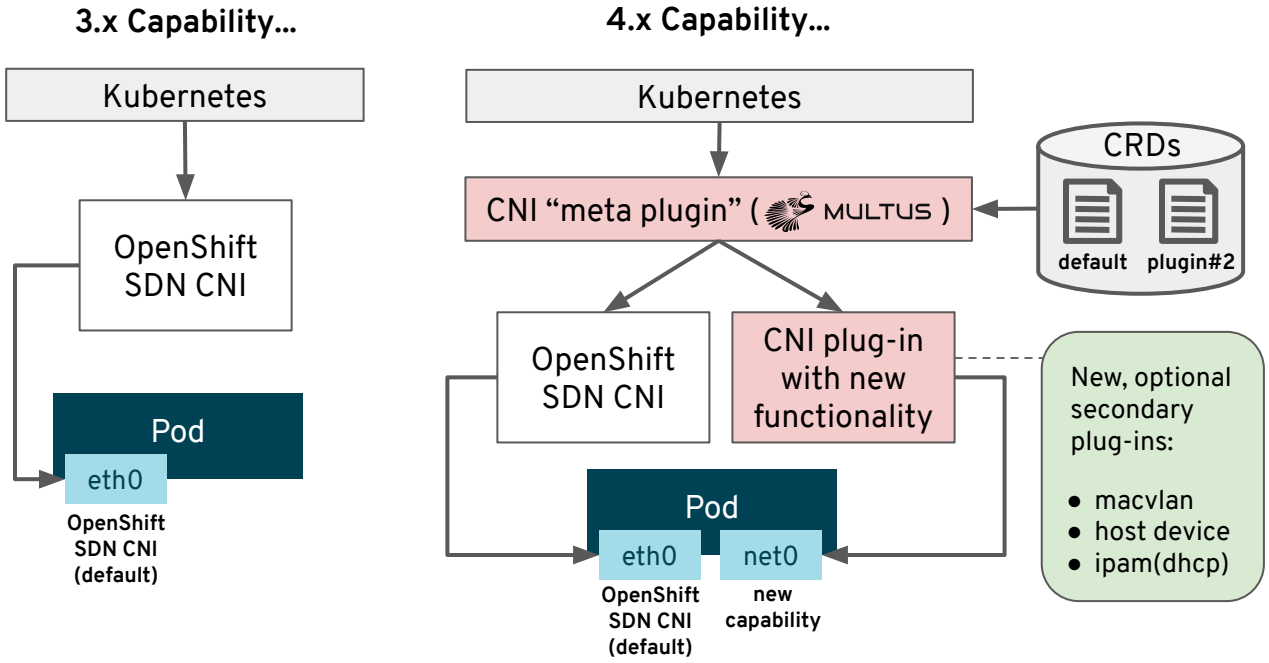


Networking Plug-ins

Multus Enables Multiple Networks & New Functionality to Existing Networking

The Multus CNI “meta plugin” for Kubernetes enables one to create multiple network interfaces per pod, and assign a CNI plugin to each interface created.

1. Create pod annotation(s) to call out a list of intended network attachments…
2. …each pointing to CNI network configurations packed inside CRD objects



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Add features

Open the Catalog Tab

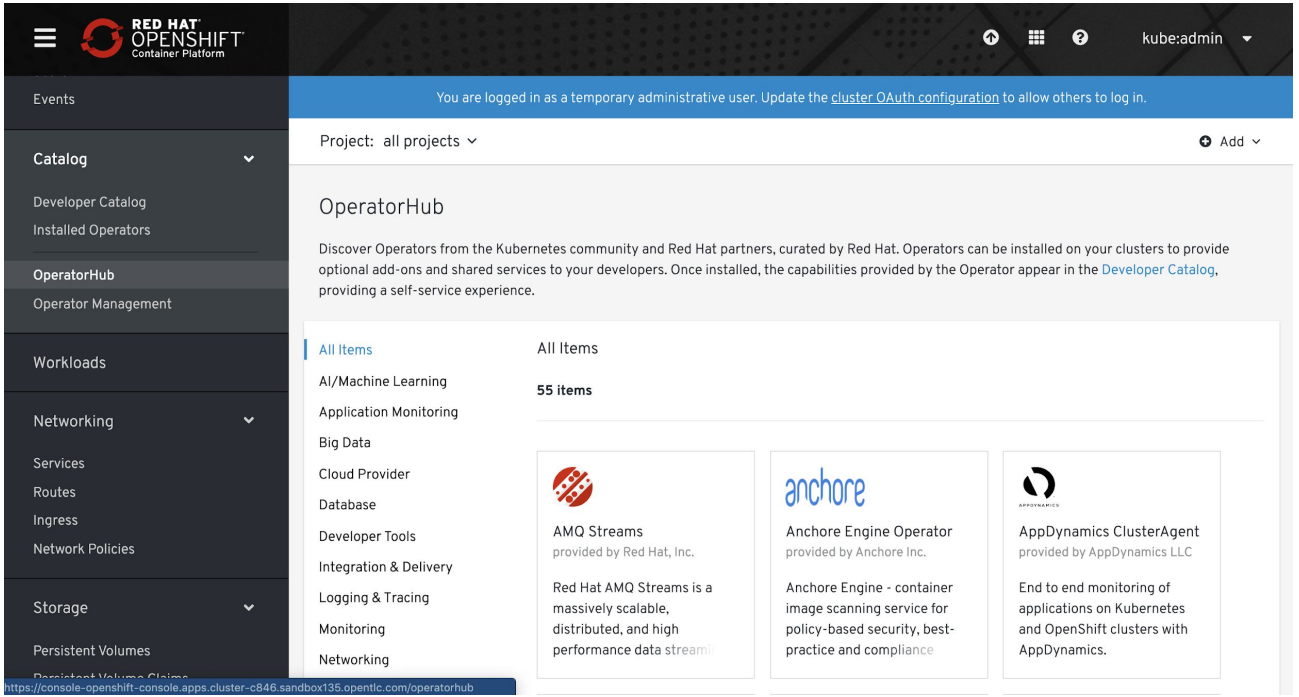
Click on Operator Hub

Discover the content

Search for the MongoDB Operator

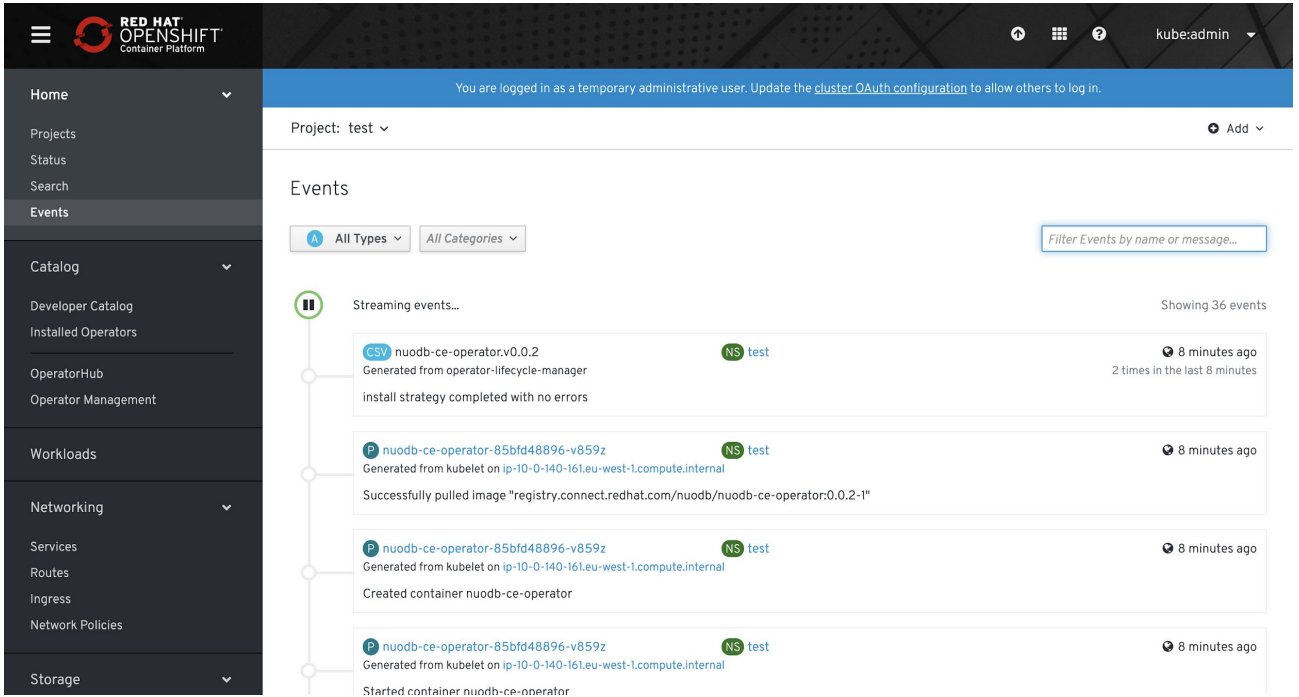
Click on it

And install it to your project



Logging

Open the Monitoring tab and have a look at the Alerts



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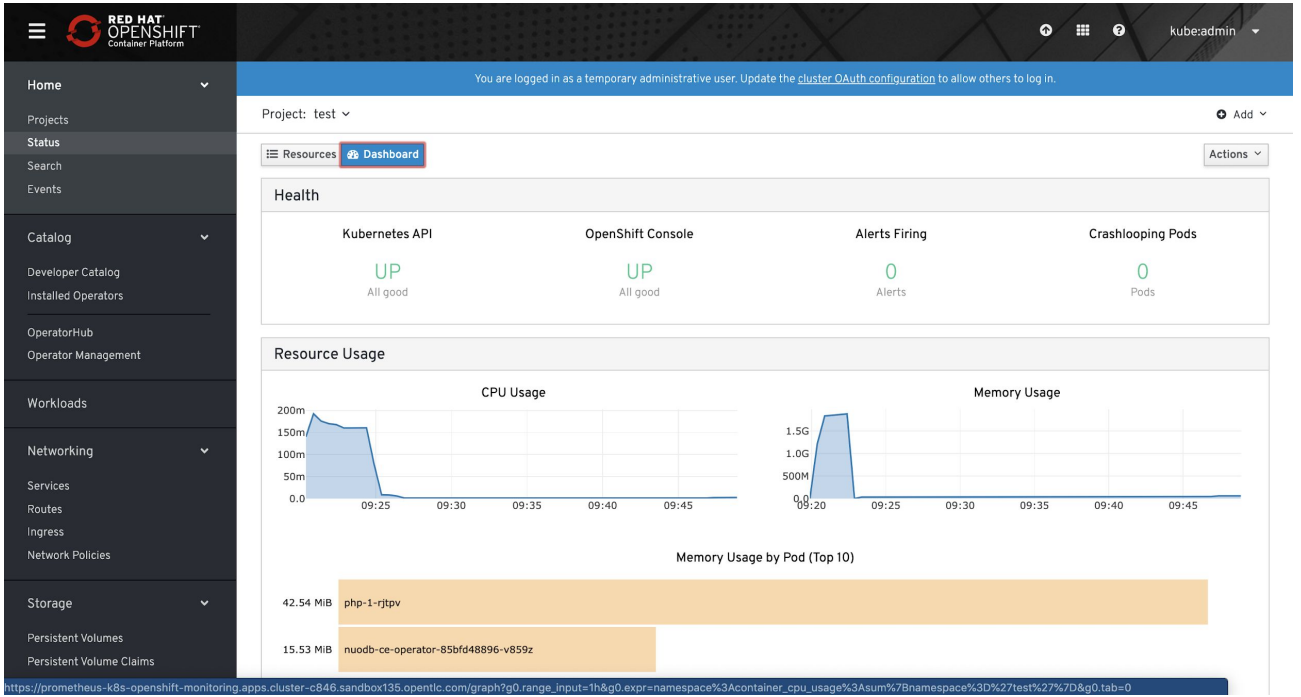
Monitoring 1/2

Open the Monitoring tab and have a look at the Alerts

Click on the „metric“ and log in to graphana with „ OpenShift“ and discover the option there



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Monitoring 2/2

Grafana

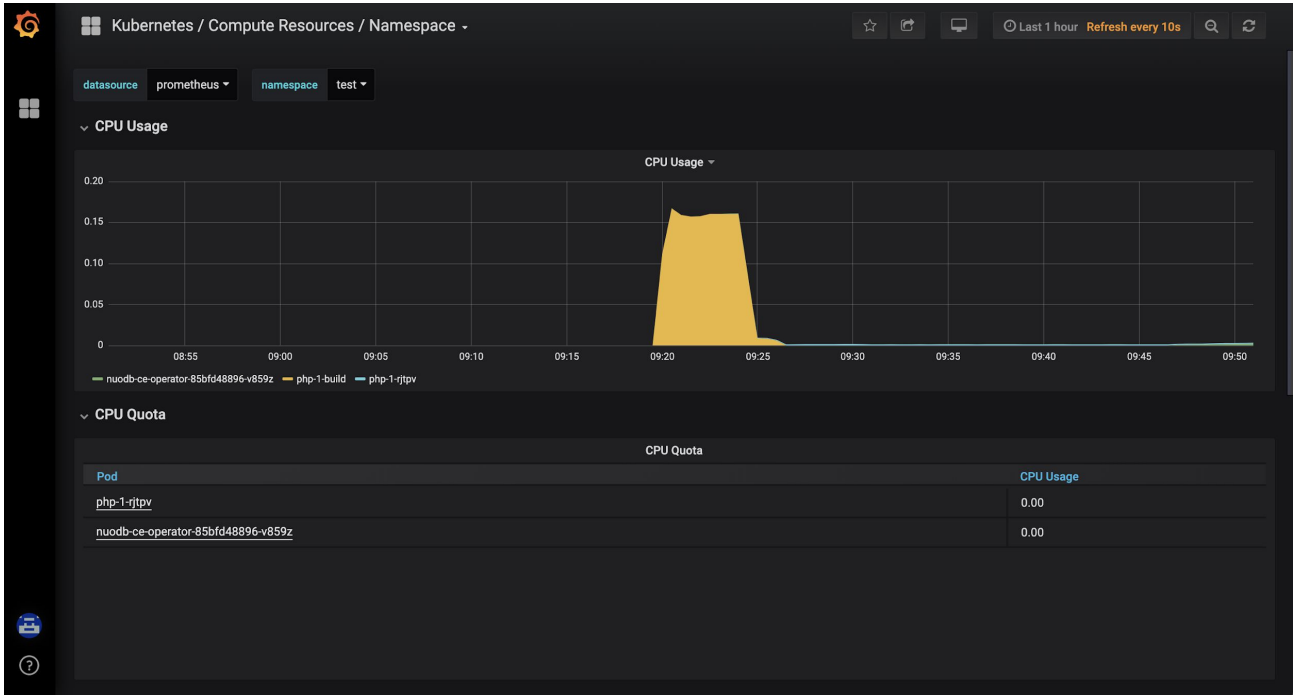
Finally open „Dashboards“

Accept the insecure connection

Log in with OpenShift again

Allow selected permissions

And explore the cluster with Graphana



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