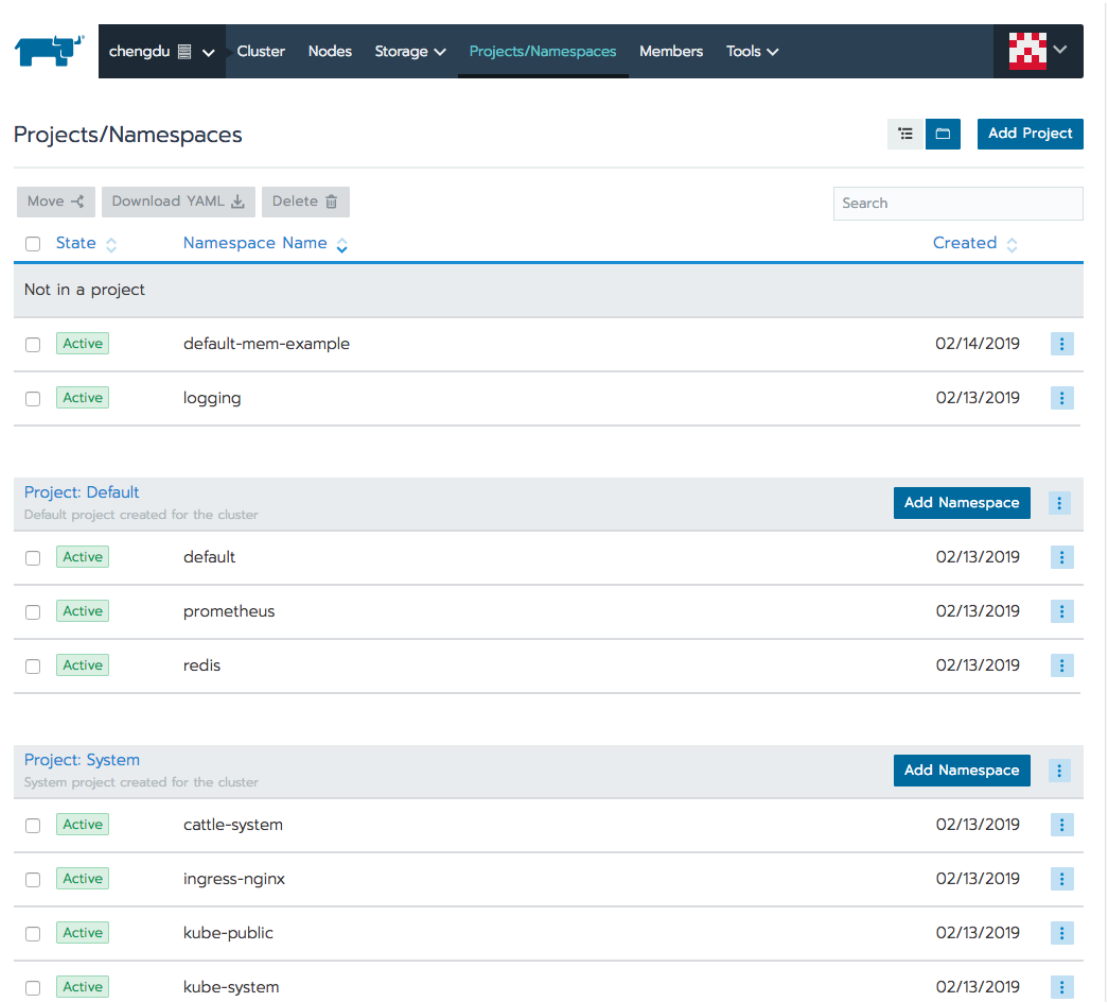
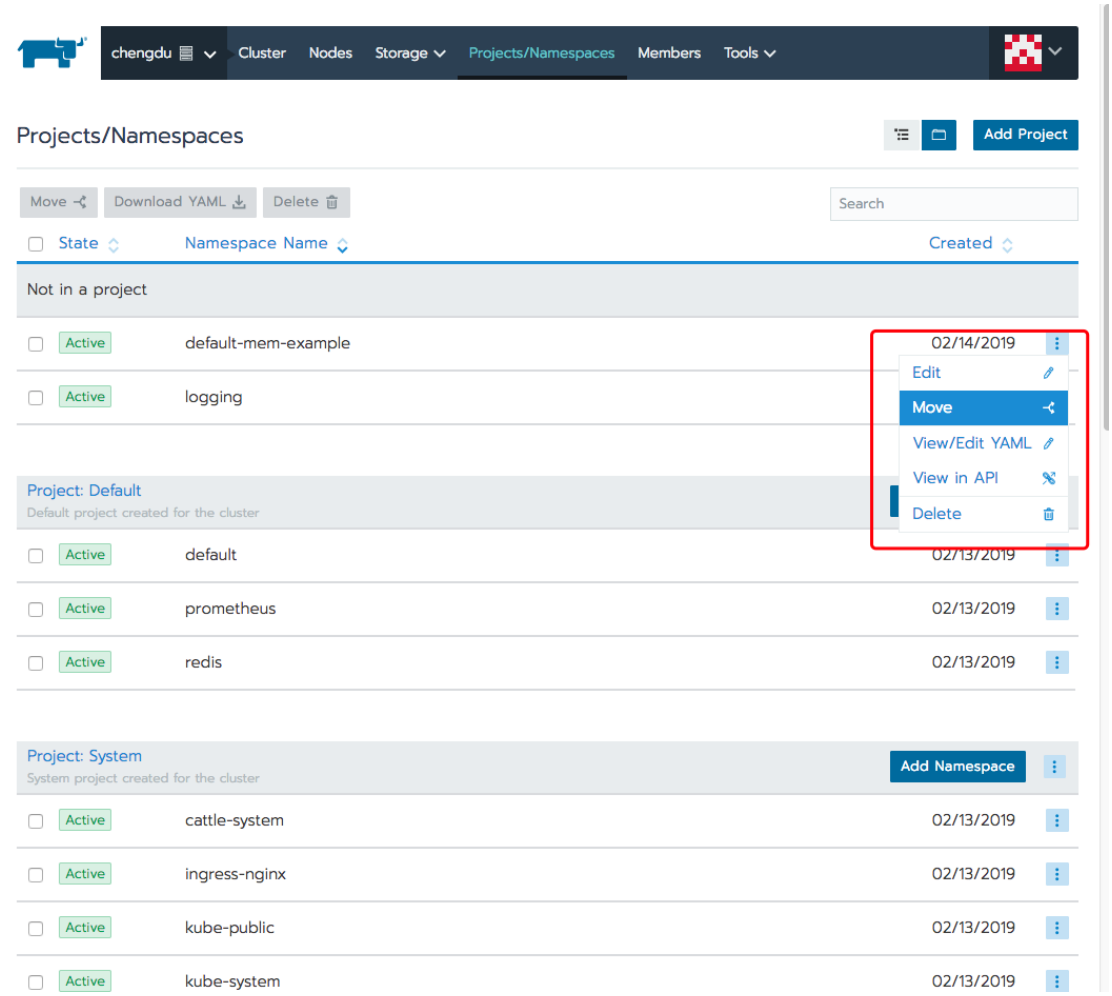
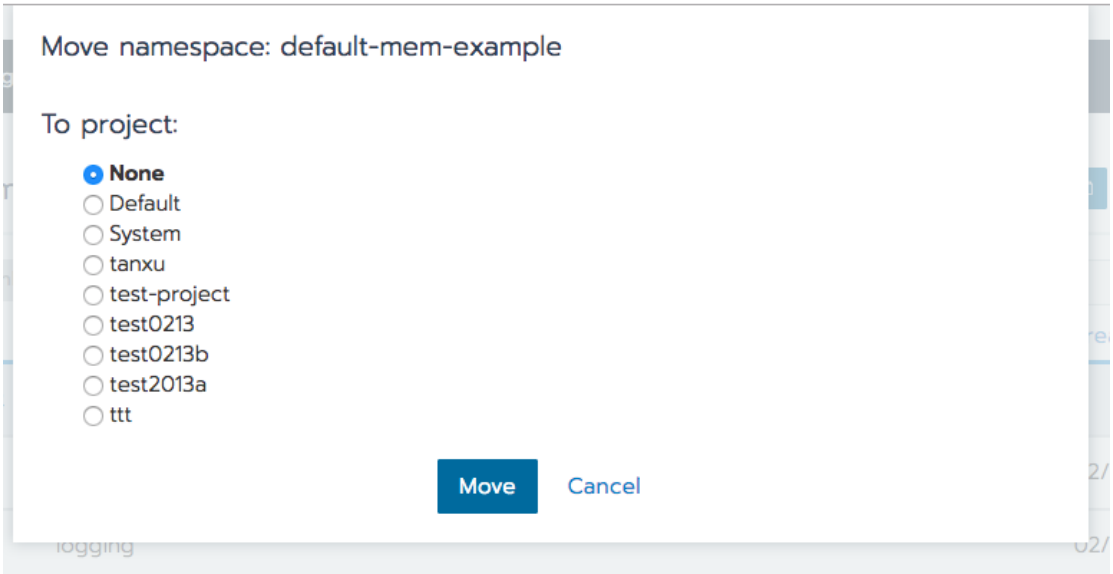
# 1. 在 rancher 中, project 和 namespace 是一对多的关系，在 openshift 中是一对一的关系.

在 rancher 中, project 和 namespace 并不是一一对应的. Project 是 namespace 更高一级的抽象，project 中可以有多个 namespace，namespace 可以在不同的 project 之间转移.



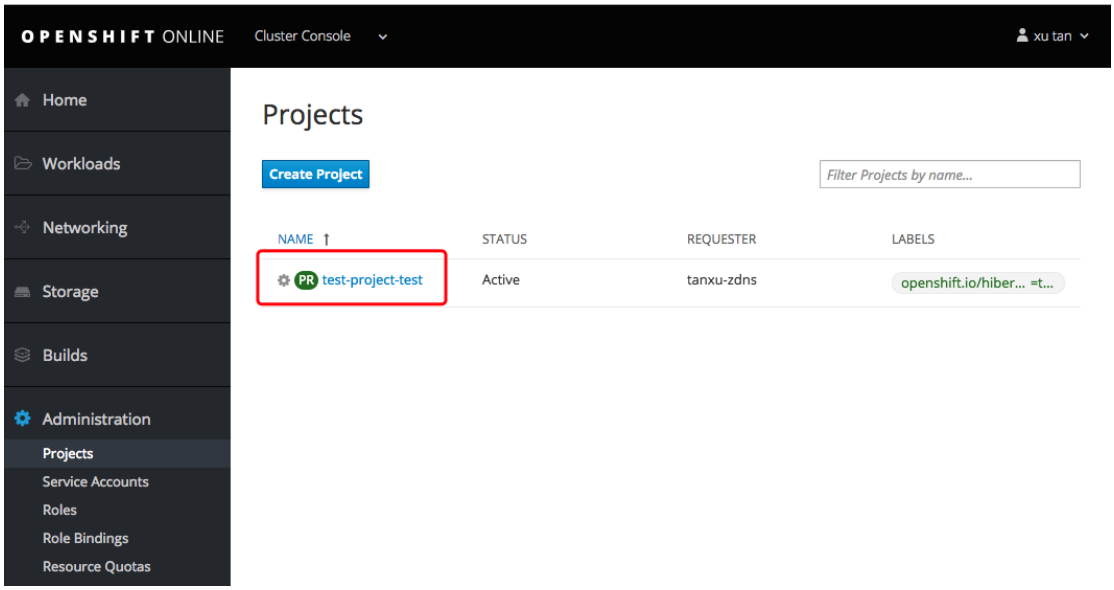

点击后面的  可以移动不同的 project.

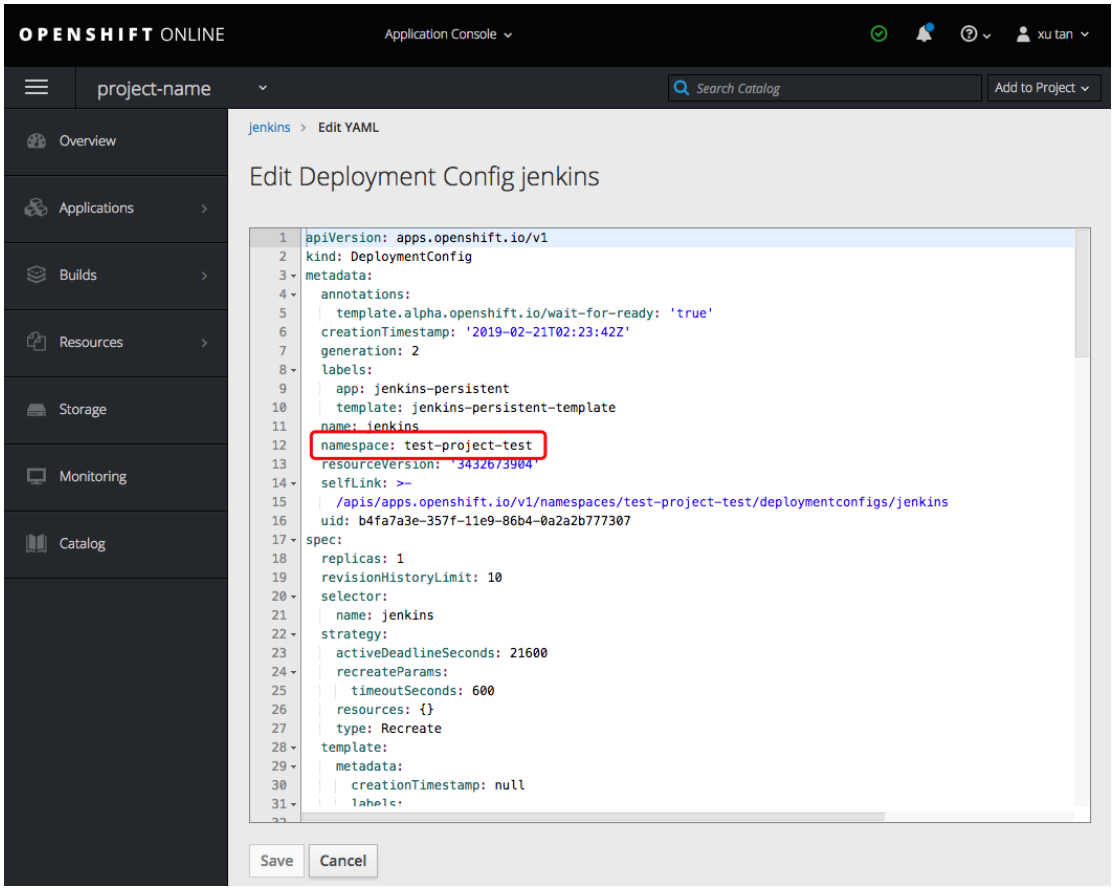



选择目的 project 之后点击 move 就好了.

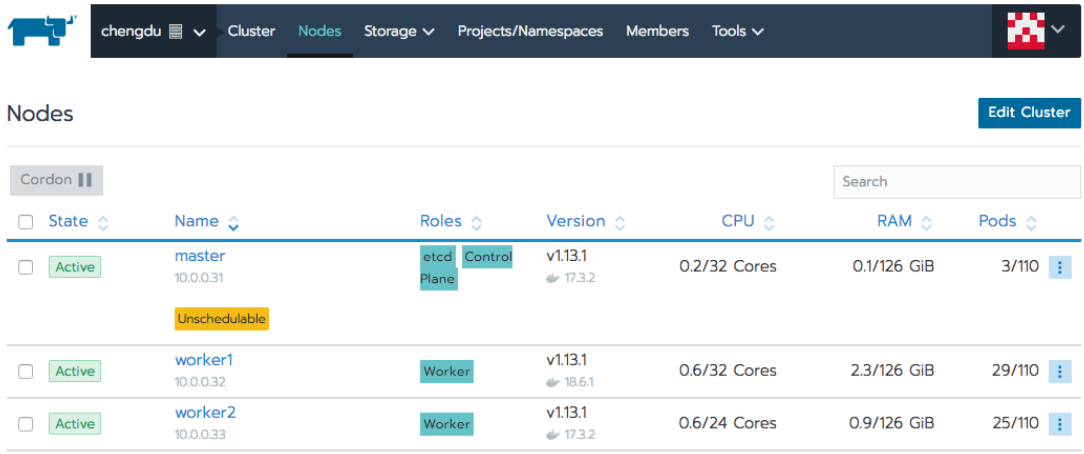
在 openshift 中 project 和 namespace 是一一对一个的，一个 project 就对应对一个 namespace. 对比 project 和 yaml 文件中的 namespace 可以确认这一点.



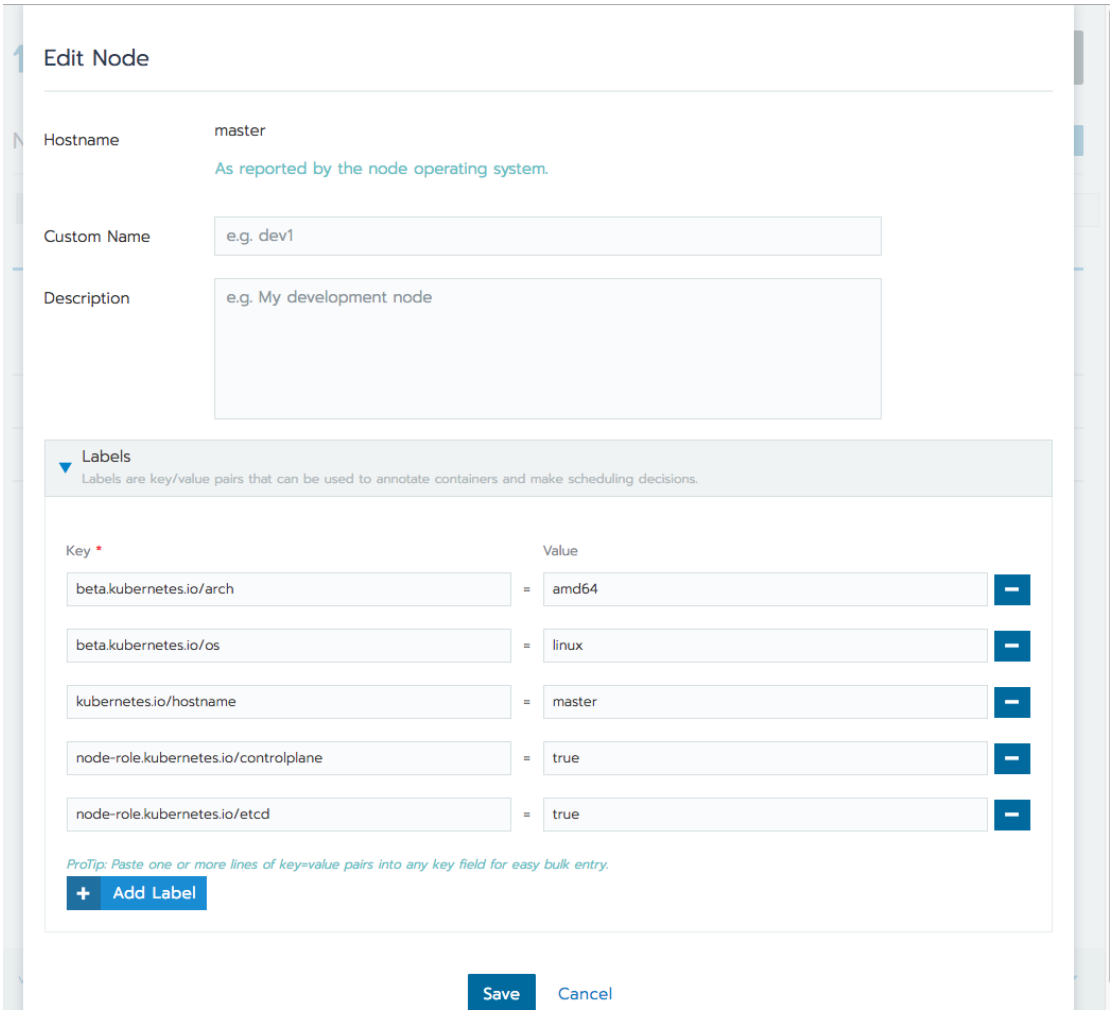




2. rancher 可以对 node 节点进行配置，而 openshift 中没有发现 node 节点相关配置.

在 rancher 中是这样的界面.

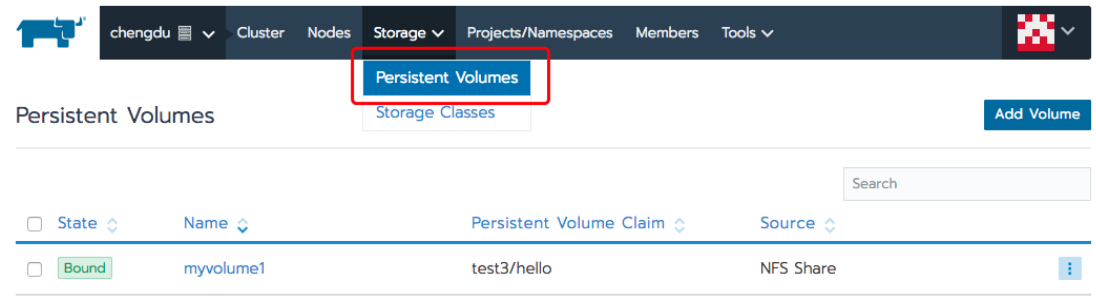



点击后面 3 个点可以编辑节点的 label



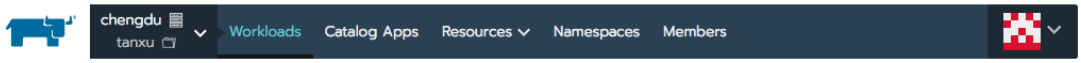

## 3. openshift 中没有 pv 管理的相关配置.

Rancher 中是这样的




4. 创建 Deployment, Daemonset, statefulset, cronjob, job, ingress, service, configmap secrets 等资源时, rancher 是有 UI 展示的, 而 openshift 只有 yaml 编辑器.

Rancher 的 UI 界面




# Deploy Workload

Name * Add a Description

e.g. myapp

Workload Type

- Scalable deployment of 1 pod
- Run one pod on each node
- Stateful set of 1 pod
- Run on a cron schedule
- Job

Docker Image *

ubuntu:xenial

Namespace * Add to a new namespace

kubernetes-dashboard-hchqt

Port Mapping

+ Add Port

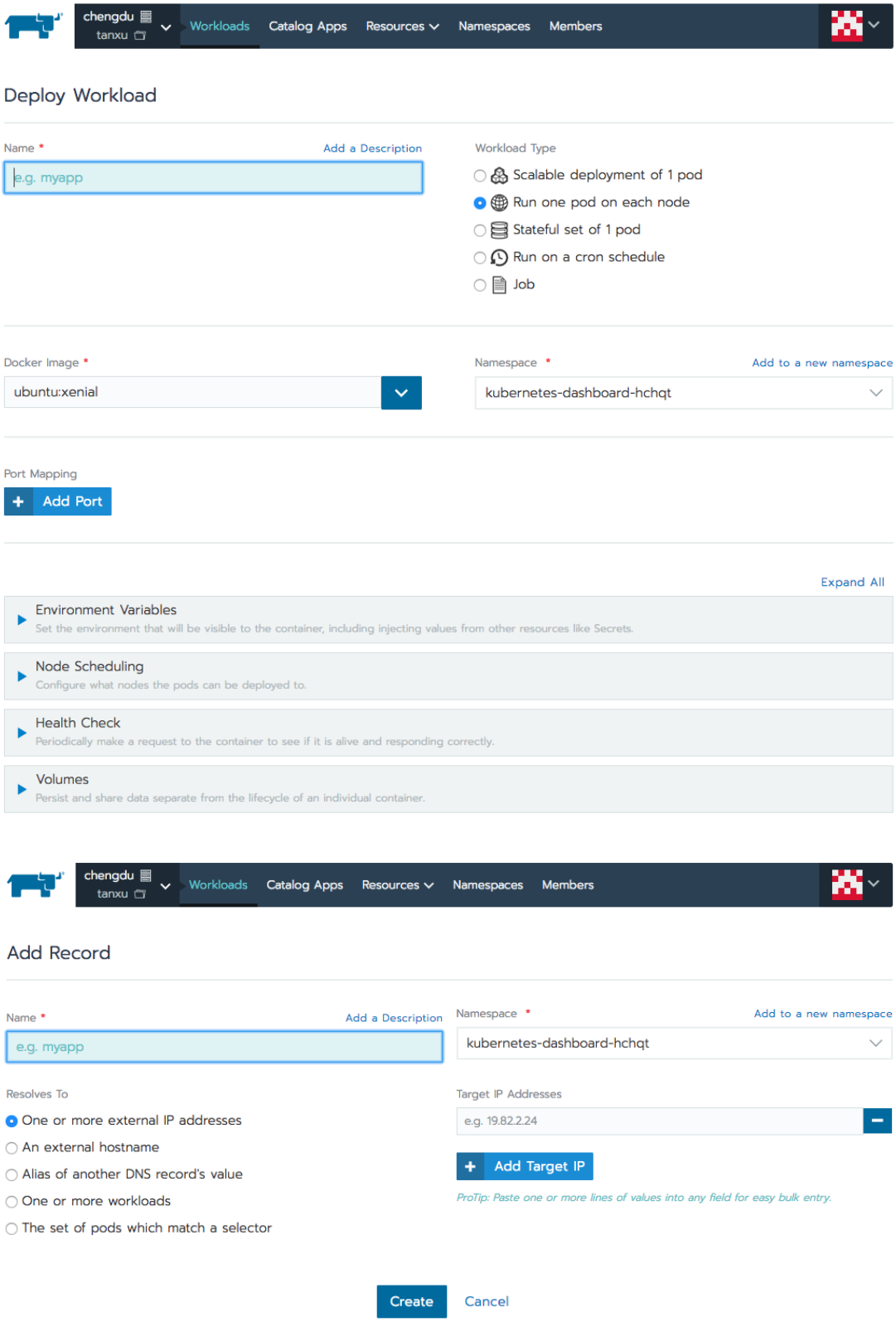
Expand All

**Environment Variables**
Set the environment that will be visible to the container, including injecting values from other resources like Secrets.

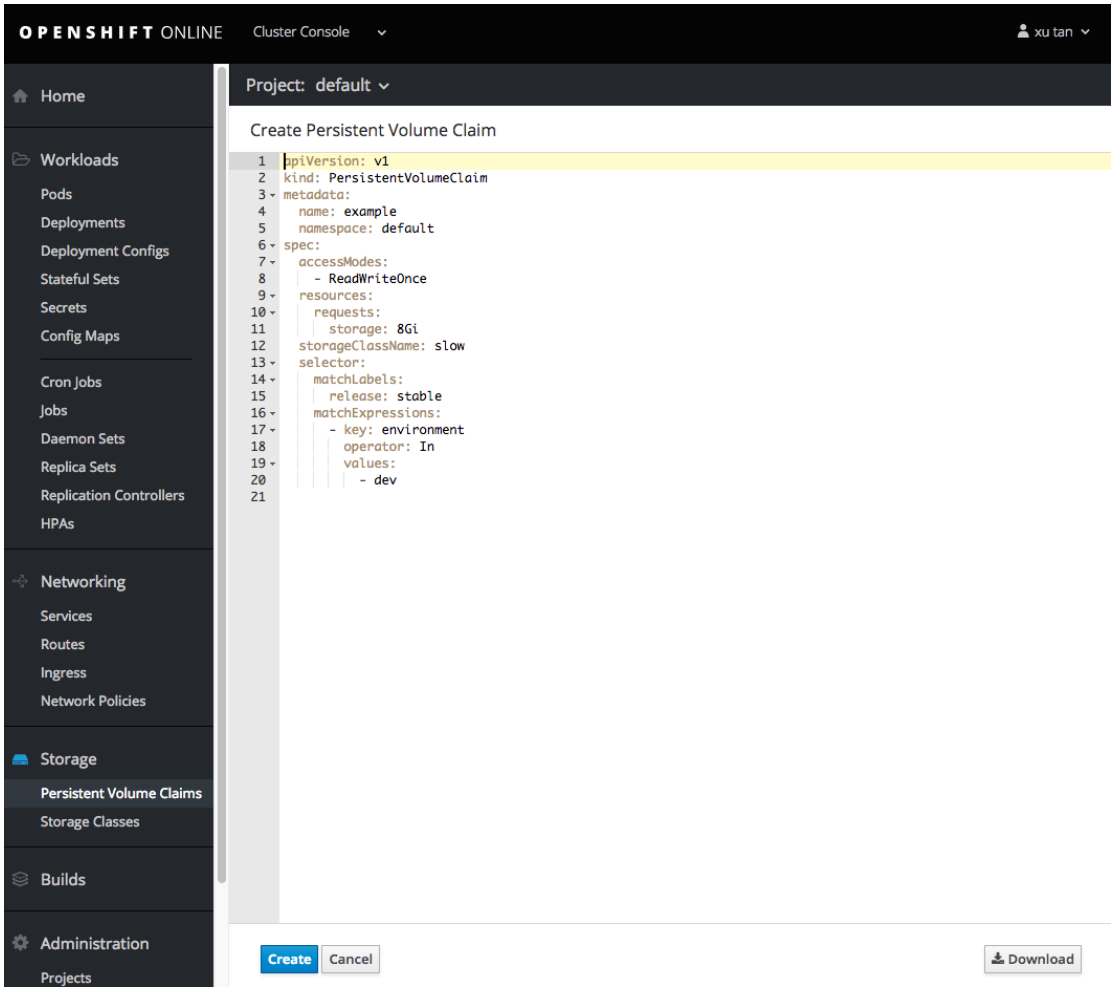
**Node Scheduling**
Configure what nodes the pods can be deployed to.

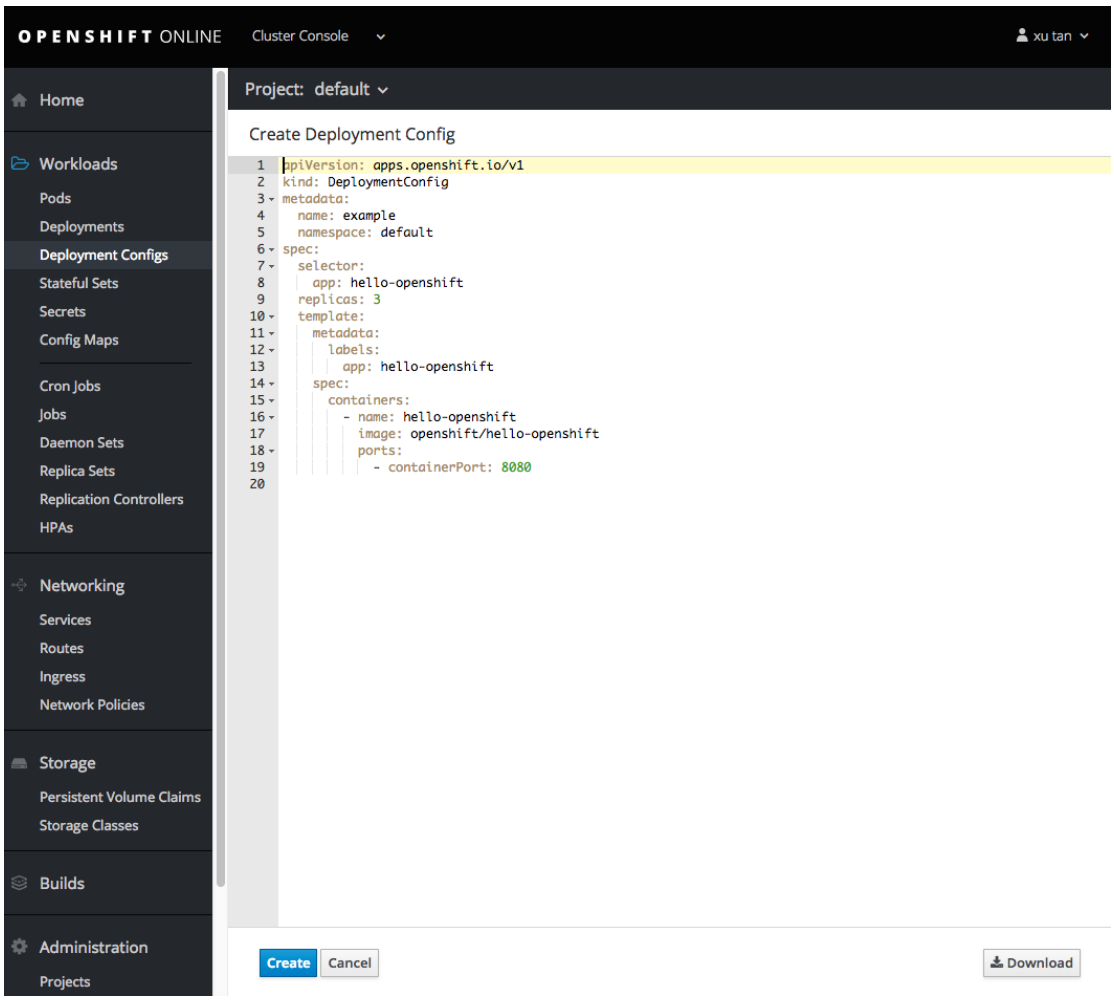
**Health Check**
Periodically make a request to the container to see if it is alive and responding correctly.

**Volumes**
Persist and share data separate from the lifecycle of an individual container.




openshift 的 yaml 编辑界面


OPENSHIFT ONLINE
Cluster Console
xu tan
Home
Workloads
Pods
Deployments
Deployment Configs
Stateful Sets
Secrets
Config Maps
Cron Jobs
Jobs
Daemon Sets
Replica Sets
Replication Controllers
HPAs
Networking
Services
Routes
Ingress
Network Policies
Storage
Persistent Volume Claims
Storage Classes
Builds
Administration
Projects
Project: default
Create Persistent Volume Claim
apiVersion: v1
kind: PersistentVolumeClaim
metadata:
name: example
namespace: default
spec:
accessModes:
- ReadWriteOnce
resources:
requests:
storage: 8Gi
storageClassName: slow
selector:
matchLabels:
release: stable
matchExpressions:
- key: environment
operator: In
values:
- dev
Create
Cancel
Download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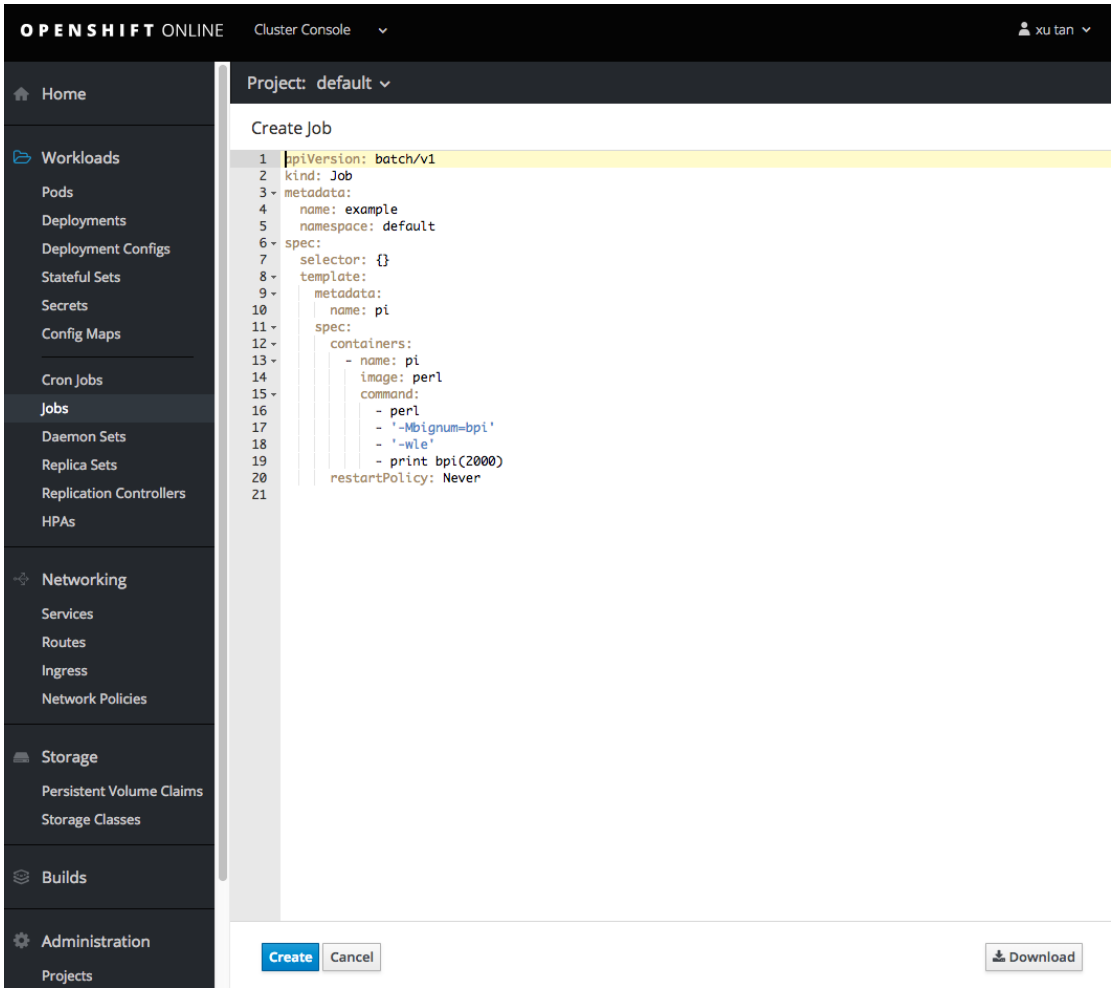
Routes
Ingress
Network Policies
Storage
Persistent Volume Claims
Storage Classes
Builds
Administration
Projects
Project: default
Create Deployment Config
apiVersion: apps.openshift.io/v1
kind: DeploymentConfig
metadata:
name: example
namespace: default
spec:
selector:
app: hello-openshift
replicas: 3
template:
metadata:
labels:
app: hello-openshift
spec:
containers:
- name: hello-openshift
image: openshift/hello-openshift
ports:
- containerPort: 8080
Create
Cancel
Download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Persistent Volume Claims
Storage Classes
Builds
Administration
Projects
Project: default
Create Job
apiVersion: batch/v1
kind: Job
metadata:
name: example
namespace: default
spec:
selector: {}
template:
metadata:
name: pi
spec:
containers:
- name: pi
image: perl
command:
- perl
- '-Mbignum=bpi'
- '-wle'
- print bpi(2000)
restartPolicy: Never
Create
Cancel
Download