Lab2

git clone to your learning-flux directory (use ssh link)

git clone https url of git repo

Check all the kustomization

kubectl get kustomization

kubectl get kustomization -n flux-system

Install kustomize

<https://kubectl.docs.kubernetes.io/installation/kustomize/binaries/>

curl -s "https://raw.githubusercontent.com/kubernetes-sigs/kustomize/master/hack/install\_kustomize.sh" **|** bash

List all the kustomization

kubectl get kustomization --all-namespaces

Check what kustomize is controlling

kustomize build clusters/staging/flux-system/

go to learning-flux (or your git home directory)

mkdir apps

cd apps

mkdir base

mkdir staging

cd base

#create a namespace.yaml file

apiVersion: v1

kind: Namespace

metadata:

name: testns

Create a kustomization.yaml in the same base folder

apiVersion: kustomize.config.k8s.io/v1beta1

kind: Kustomization

resources:

- namespace.yaml

Go to the staging folder and create a kustomization.yaml

apiVersion: kustomize.config.k8s.io/v1beta1

kind: Kustomization

resources:

- ../base

Verify kustomize is working

cd ../..

kustomize build apps/base

kustomize build apps/staging/

Go to the directory learning-flux/clusters/staging

Create a kustomization resource [app.yaml]

apiVersion: kustomize.toolkit.fluxcd.io/v1beta1

kind: Kustomization

metadata:

name: apps

namespace: flux-system

spec:

path: ./apps/staging

prune: true

interval: 5m

sourceRef:

kind: GitRepository

name: flux-system

namespace: flux-system

Perform git add,commit and push

git add .

git commit -m “adding”

git push origin main

Check

kubectl describe kustomization flux-system -n flux-system

kubectl describe gitrepository flux-system -n flux-system