Lab3:

1. Create helmrepo.yaml in learnling-flux directory,

apiVersion: source.toolkit.fluxcd.io/v1

kind: HelmRepository

metadata:

name: nginx

namespace: nginx

spec:

interval: 1m

url: oci://ghcr.io/nginxinc/charts

type: oci

1. Create helmrelease.yaml file in learling-flux directory

apiVersion: helm.toolkit.fluxcd.io/v2

kind: HelmRelease

metadata:

name: my-nginx

namespace: nginx

spec:

interval: 10m

chart:

spec:

chart: nginx-ingress

version: 1.4.2

sourceRef:

kind: HelmRepository

name: nginx

namespace: nginx

interval: 1m

values:

replicaCount: 1

1. Add,commit and push to git repo
2. Create a namespace using cli

kubectl create ns nginx

1. create both the resources

kubectl create -f helmrepo.yaml

kubectl create -f helmrelease.yaml

1. Get and describe the release

kubectl get helmrelease -n nginx

kubectl describe helmrelease -n nginx

1. Check resources are running

kubectl get po -n nginx

1. Manually run reconciliation

flux reconcile helmrelease my-nginx -n nginx