1. Volume and volume claims are created.
2. Volume is to mount and to claim that volume in pod we use the PVC.
3. I am also testing.

Volume.yaml

apiVersion: v1

kind: PersistentVolume

metadata:

name: mongodb-pv

spec:

storageClassName: local-storage

capacity:

storage: 1Gi

accessModes:

- ReadWriteOnce

hostPath:

path: "/mnt/data

volumeclaim.yaml

apiVersion: v1

kind: PersistentVolumeClaim

metadata:

name: mongodb-pvc

spec:

storageClassName: local-storage

accessModes:

- ReadWriteOnce

resources:

requests:

storage: 1Gi

pod to use pvc:

apiVersion: v1

kind: Pod

metadata:

name: mongodb

spec:

containers:

- image: mongo

name: mongodb

volumeMounts:

- name: mongodb-data

mountPath: /data/db

ports:

- containerPort: 27017

protocol: TCP

volumes:

- name: mongodb-data

persistentVolumeClaim:

claimName: mongodb-pvc

checking:

1. Login into the node
2. Ssh node ip
3. Cd /mnt/data ( volume mount path )