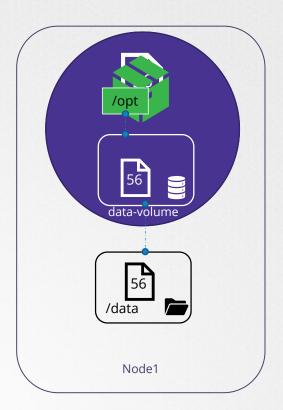




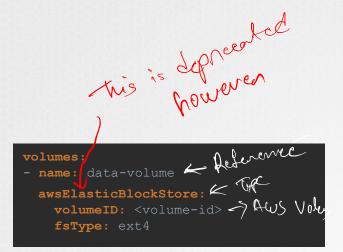
Volumes

Volumes & Mounts

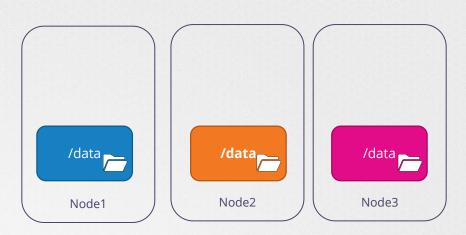
```
apiVersion: v1
metadata:
spec:
  - image: alpine
    args: ["shuf -i 0-100 -n 1 >> /opt/number.out;"]
    volumeMounts:
    volumeMounts:
- mountPath: /opt > Mounting Path
name: data-volume
Binding
  volumes:
  - name: data-volume
        path: /data
         type: Directory
```



Volume Types

















| Binding



Sufficient Capacity

Access Modes

Volume Modes

Storage Class

| Persistent Volume Claim

```
pvc-definition.yaml
apiVersion: v1
kind: PersistentVolumeClaim
metadata:
 name: myclaim
spec:
 accessModes:
     - ReadWriteOnce
  resources:
     requests:
       storage: 500Mi
```

```
pv-definition.yaml
apiVersion: v1
kind: PersistentVolume
metadata:
 name: pv-vol1
spec:
 accessModes:
      - ReadWriteOnce -
 capacity:
      storage: 1Gi
 awsElasticBlockStore:
   volumeID: <volume-id>
   fsType: ext4
```

IView PVCs

kubectl get persistentvolumeclaim

NAME	STATUS	VOLUME	CAPACITY	ACCESS MODES	STORAGECLASS	AGE
myclaim	Bound	pv-vol1	1Gi	RWO		43m

Delete PVCs

kubectl delete persistentvolumeclaim myclaim

persistentvolumeclaim "myclaim" deleted

