

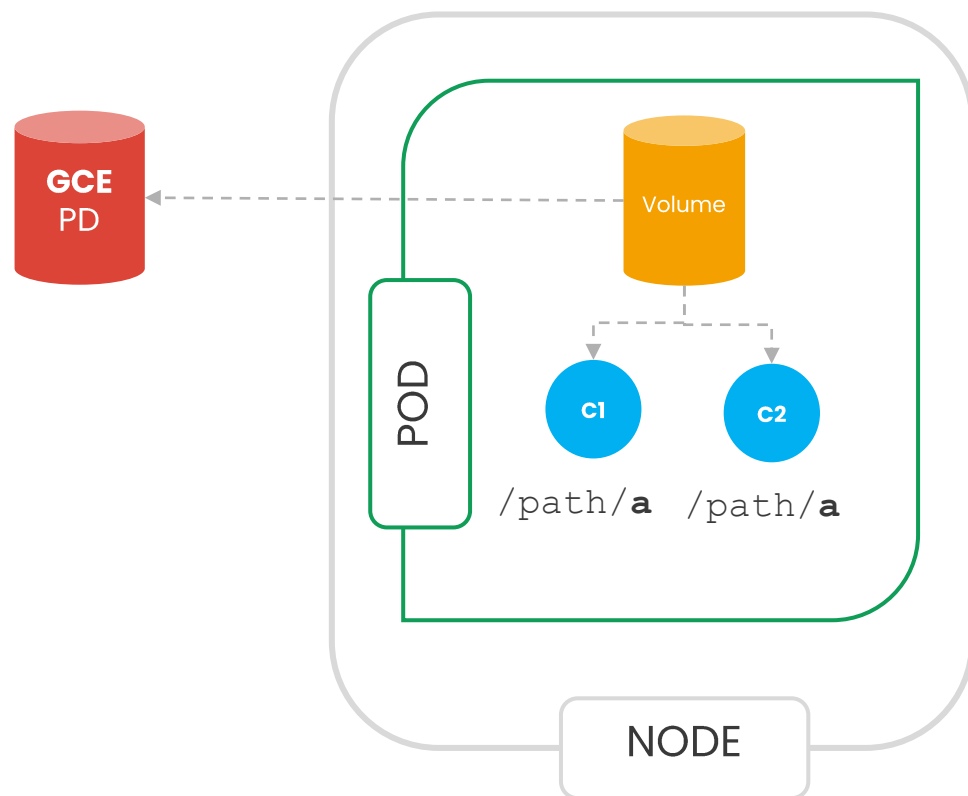


GCE

Persistent Disk



GCE PERSISTENT DISK – GKE



1

```
gcloud compute disks create --size=10GB --zone=us-central1-a my-data-disk
```

2

```
apiVersion: v1
kind: Pod
metadata:
  name: gce-pd
spec:
  containers:
  - image: mongo
    name: mongodb
    volumeMounts:
    - name: mongodb-data
      mountPath: /data/db
  volumes:
  - name: mongodb-data
    gcePersistentDisk:
      pdName: my-data-disk
      fsType: ext4
```

GCE PERSISTENT DISK – GCE VMs

Run on **Master** node

1 `gcloud auth login`

Run on **Master** node

2 `gcloud compute disks create --size=10GB --zone=us-central1-a my-data-disk`

4 Manually attach this disk to worker node from dashboard

Run on **Worker** node (where pod is scheduled)

4 `mkfs.ext4 /dev/disk/by-id/scsi-0Google_PersistentDisk_my-data-disk`

Run on **Worker** node (where pod is scheduled)

5 `mkdir -p /var/lib/kubelet/plugins/kubernetes.io/gce-pd/mounts/my-data-disk &&
mount /dev/disk/by-id/scsi-0Google_PersistentDisk_my-data-disk
/var/lib/kubelet/plugins/kubernetes.io/gce-pd/mounts/my-data-disk`

Run on **Master** node

3

```
apiVersion: v1
kind: Pod
metadata:
  name: gce-pd
spec:
  containers:
  - image: mongo
    name: mongodb
    volumeMounts:
    - name: mongodb-data
      mountPath: /data/db
  volumes:
  - name: mongodb-data
    gcePersistentDisk:
      pdName: my-data-disk
      fsType: ext4
```