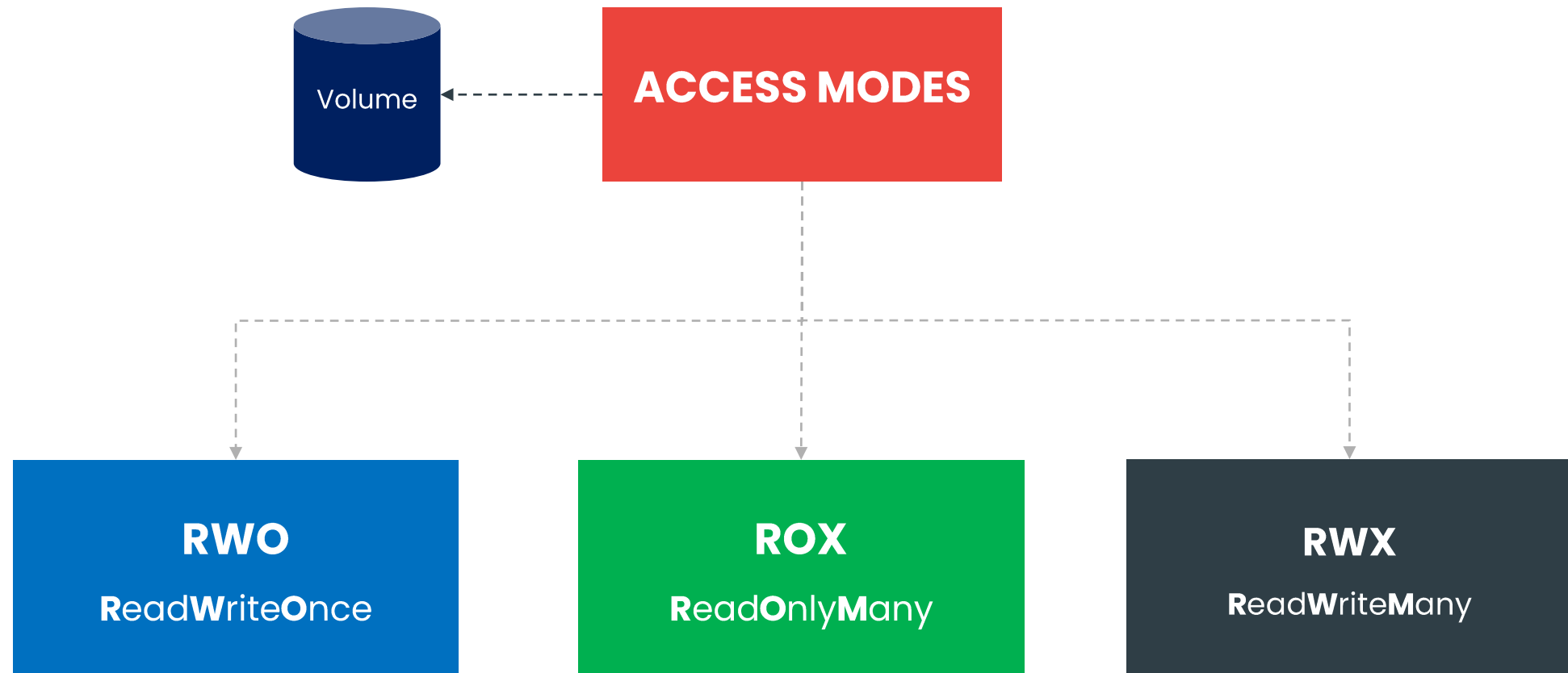




Volume Access Modes



VOLUME – ACCESS MODES



<https://kubernetes.io/docs/concepts/storage/persistent-volumes/>

ACCESS MODES – FILE SYSTEM

1. Persistent Volume (PV)

```
apiVersion: v1
kind: PersistentVolume
metadata:
  name: mongodb-pv
spec:
  capacity:
    storage: 1Gi
  accessModes:
    - ReadWriteOnce
  persistentVolumeReclaimPolicy: Retain
  gcePersistentDisk:
    pdName: mongodb
    fsType: ext4
```

2. Persistent Volume Claim (PVC)

```
apiVersion: v1
kind: PersistentVolumeClaim
metadata:
  name: mongodb-pvc
spec:
  storageClassName: ""
  resources:
    requests:
      storage: 1Gi
  accessModes:
    - ReadWriteOnce
```

3. Configuring POD with PVC

```
apiVersion: v1
kind: Pod
metadata:
  name: pv-pod
spec:
  containers:
    - name: test-container
      image: nginx
      volumeMounts:
        - mountPath: /test-pd
          name: test-volume
  volumes:
    - name: test-volume
      persistentVolumeClaim:
        claimName: mongodb-pvc
```