

Persistent Volume (PV)

```
apiVersion: v1
kind: PersistentVolume
metadata:
  name: my-pv
spec:
  capacity:
    storage: 1Gi
  accessModes:
    - ReadWriteOnce
  hostPath:
    path: "/data/pv1"      # for local dev only
  persistentVolumeReclaimPolicy: Retain
```

Persistent Volume Claim (PVC)

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

Using the PVC in a Pod

```
apiVersion: v1
kind: Pod
metadata:
  name: mypod
spec:
  containers:
    - name: mycontainer
      image: nginx
      volumeMounts:
        - mountPath: "/usr/share/nginx/html"
          name: myvolume
  volumes:
    - name: myvolume
      persistentVolumeClaim:
        claimName: my-pvc
```