

Volumes in Kubernetes --> Directory with data

Ephemeral

emptyDir

- Cache
- Scratch space

Persistent

persistent storage

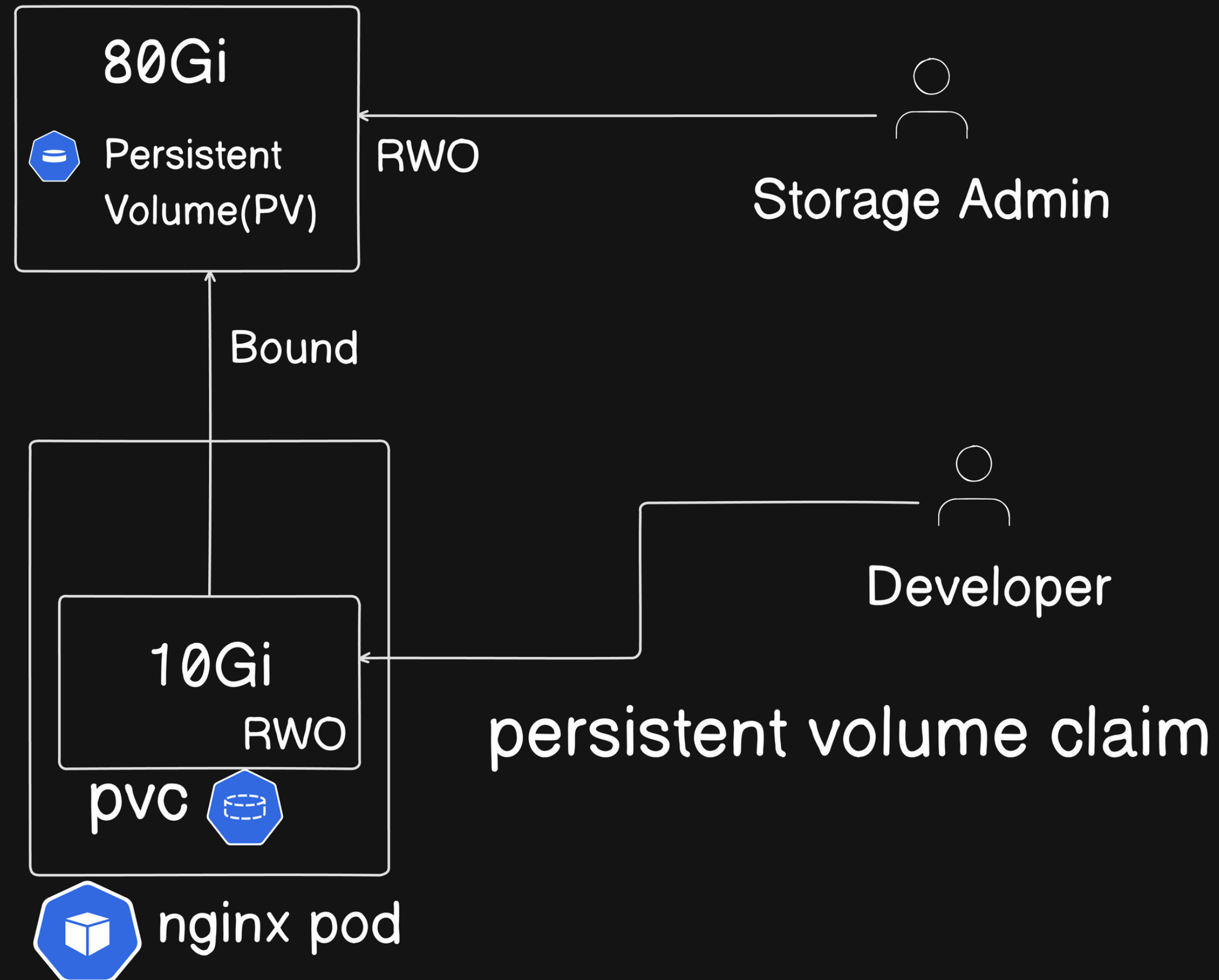
hostPath

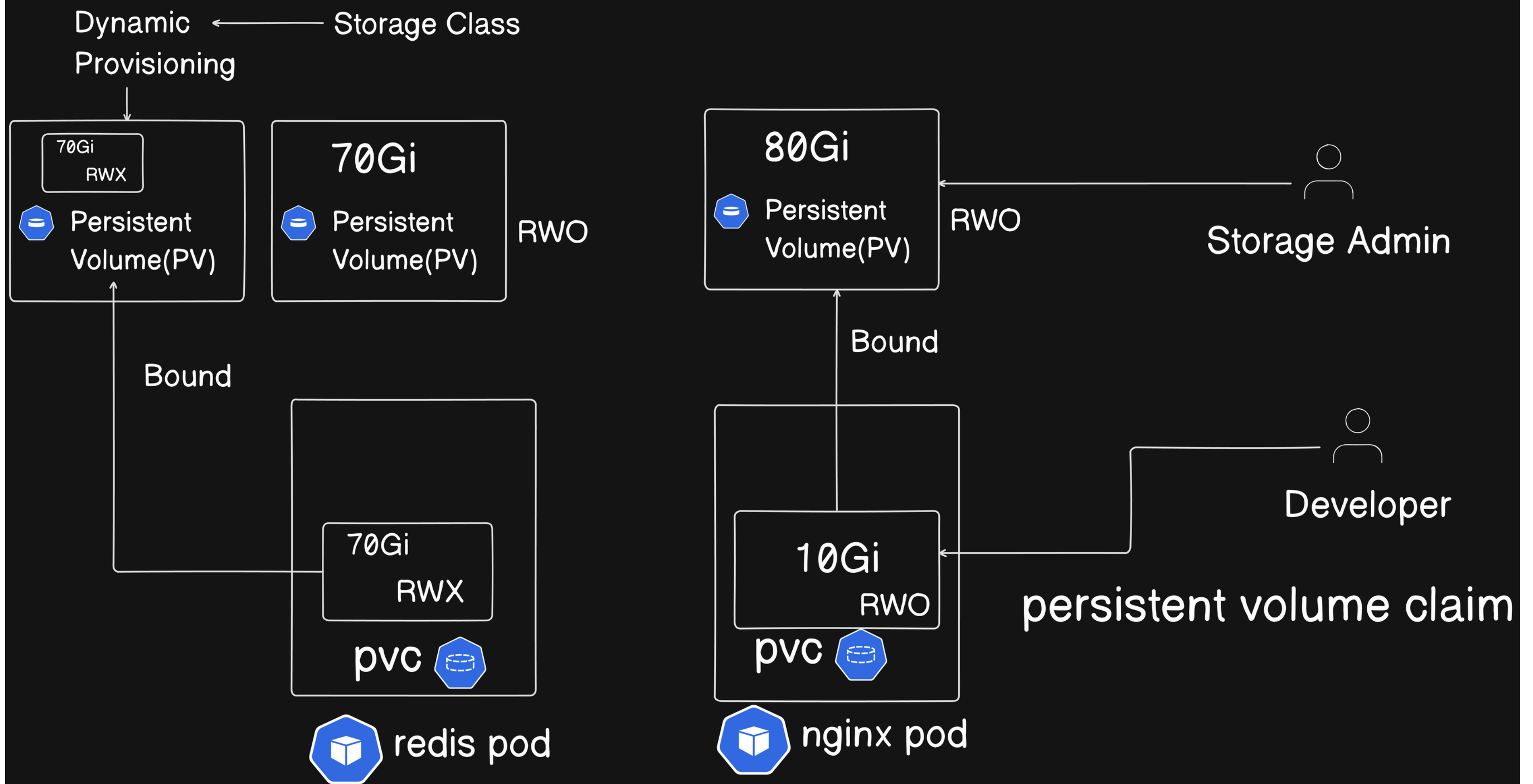
Persistent Volume and Persistent Volume claims

Spec.Volumes --> specify the volume

spec.containers.volumeMounts --> Where to mount the volume into container

Persistent Volume and Persistent Volume claims





Static Vs Dynamic Provisioning

Access Modes



How a PersistentVolume (PV) can be mounted and accessed by containers

- ReadWriteOnce(RWO)
- ReadOnlyMany(ROX)
- ReadWriteMany(RWX)

Reclaim Policy

→ What happens to the PV when its associated PVC is deleted?

- Retain
- Delete
- Recycled(Deprecated)

Storage Class

- Defines which provisioner to be used (gce-pd, aws ebs etc)
- What parameters to be provided (pd-standard, pd-ssd etc)
- Allows Dynamic provisioning
- If not specified, default sc will be used

