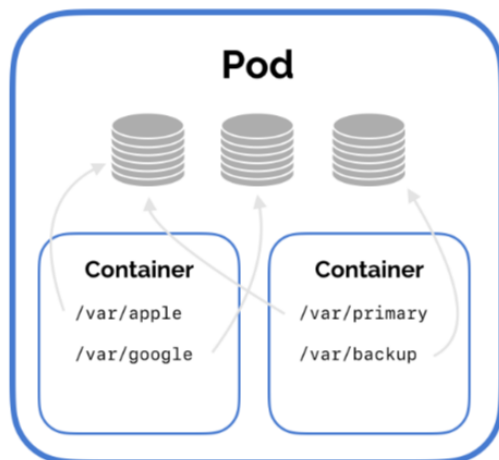


Storage in K8s

Volume

- Container crashes, kubelet restarts the container but with a clean state.
- Sharing files between containers running together

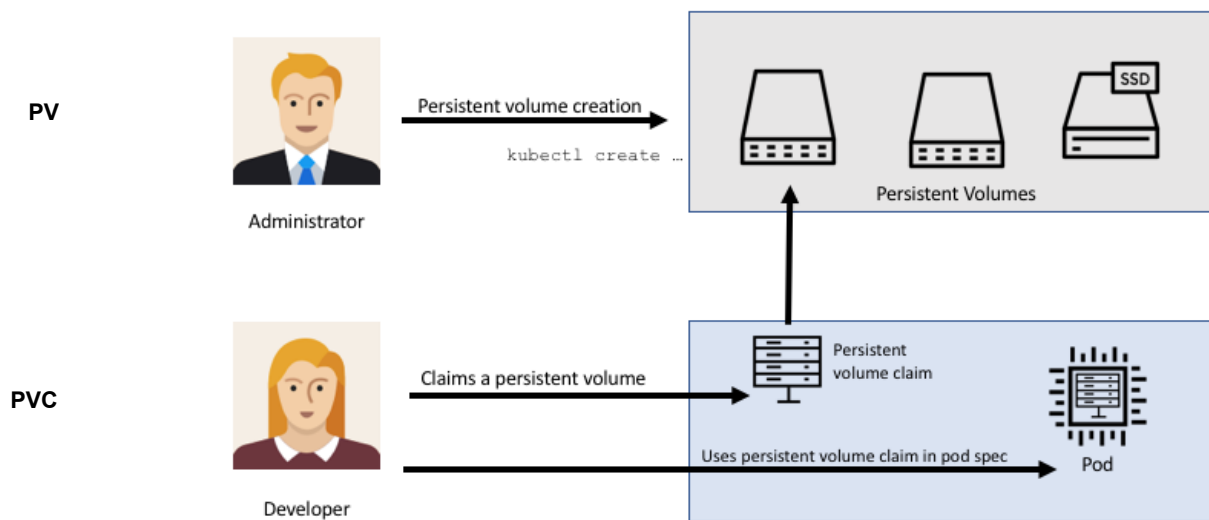
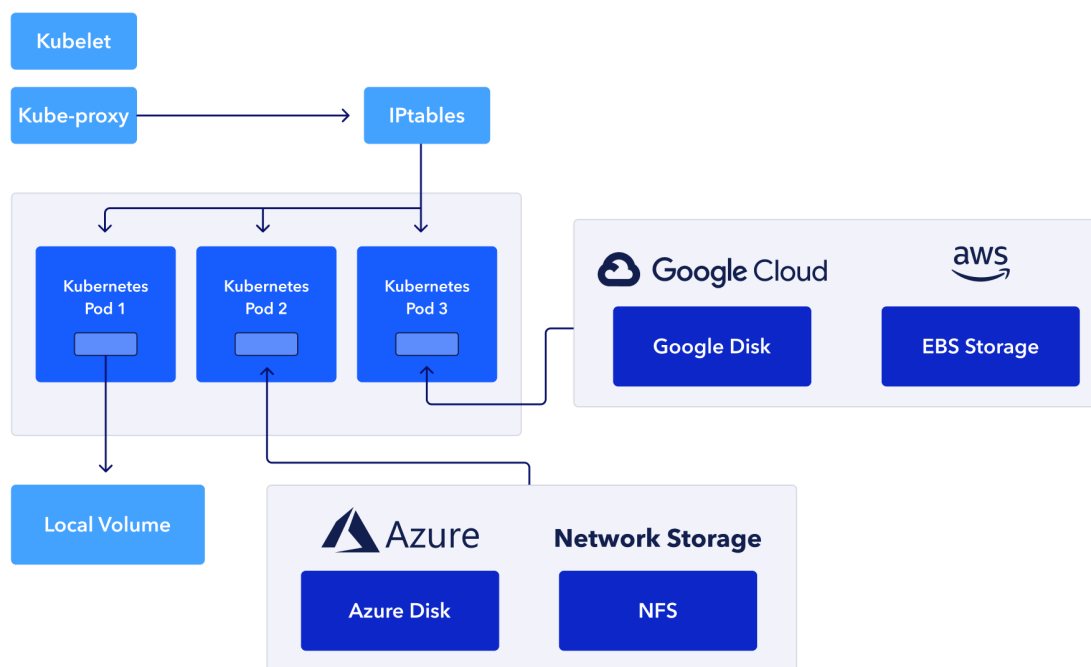


Volumes in **pod**
Defined in `pod.spec.volumes` field

Volume mounts in **container**
Defined in
`pod.spec.containers.volumeMounts`
Uses one of the volumes

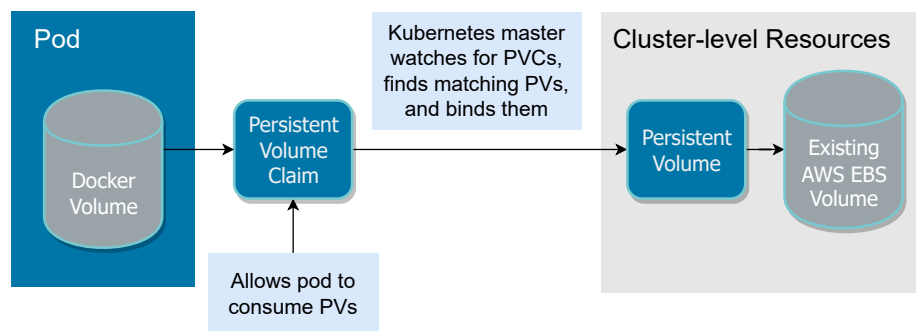
Example for
Volumes,
Volume Mounts

```
apiVersion: v1
kind: Pod
metadata:
  name: test-ebs
spec:
  containers:
    - image: registry.k8s.io/test-webserver
      name: test-container
      volumeMounts:
        - mountPath: /test-ebs
          name: test-volume
  volumes:
    - name: test-volume
      # This AWS EBS volume must already exist.
      awsElasticBlockStore:
        volumeID: "<volume id>"
        fsType: ext4
```



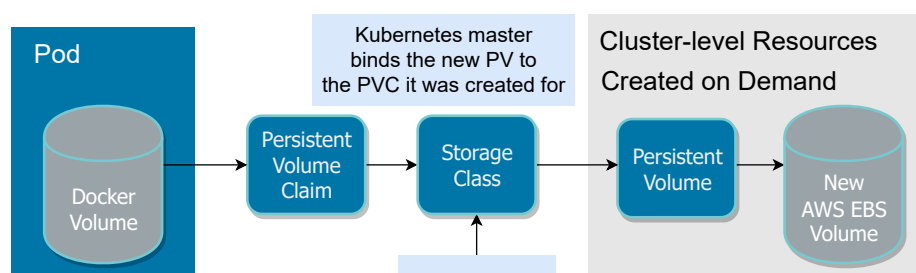
Setting Up Existing Persistent Volumes

Static Provisioning



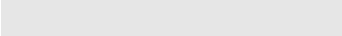
Dynamic Provisioning

Dynamically Provisioning New Persistent Volumes






Creates PVs



Key

Kubernetes resource