Volume Types

Temp Data

EmptyDir

Data will be deleted as soon as Pod Deleted.

HostPath

Data will retain on Host Directory even Pod Deleted.

HostPath Volume

➢ HostPath volume is used for Temp Data, Data will mount with Pod.
  ○ hostPath volume mounts a file or directory from the node's filesystem into the Pod.
  ○ User can specify whether the file/directory must already exist on the node or should be created on pod startup.

Pod YAML

```yaml
apiVersion: v1
kind: Pod
metadata:
  name: my-pod

spec:
  containers:
    - image: k8s.gcr.io/test-webserver
      name: my-app
      volumeMounts:
        - mountPath: /test-pd
          name: test-volume

  volumes:
    - name: test-volume
      hostPath:
      path: /data #directory on host
      type: Directory #optional
```

Directory : directory must already exist on the host

DirectoryOrCreate : directory will be created dynamically if it doesn't already exist on the host

File : File must already exist on the host

FileOrCreate : File will be created dynamically if it doesn't already exist on the host