

[kubernetes\\_volumens](#)

## Volumes

Tenemos varios tipos:

- emptyDir
- hostPath
- Cloud

### EmpyDir

Crea un directorio vacío en el pod y que estará disponible mientras exista el pod. Independiente de que los contenedores de dentro del pod se destruyan, creen, reinicien, etc

Ejemplo

```
apiVersion: v1
kind: Pod
metadata:
  name: test-pd
spec:
  containers:
  - image: nginx:alpine
    name: test-container
    volumeMounts:
    - mountPath: /var/log/nginx          #indica el directorio que vamos a
      name: vol                          montar como un volumen emptyDir
  volumes:
  - name: vol
    emptyDir: {}
```

### hostPath

```
apiVersion: v1
kind: PersistentVolume
metadata:
  name: task-pv-volume
  labels:
    type: local
spec:
  storageClassName: manual
  capacity:
    storage: 10Gi
```

```
accessModes:
  - ReadWriteOnce
hostPath:
  path: "/test"
---
apiVersion: v1
kind: PersistentVolumeClaim
metadata:
  name: task-pv-claim
spec:
  storageClassName: manual
  accessModes:
    - ReadWriteOnce
  resources:
    requests:
      storage: 10Gi
```

## Referencias

- apiVersion: v1

kind: PersistentVolume metadata:

```
name: task-pv-volume
labels:
  type: local
```

spec:

```
storageClassName: manual
capacity:
  storage: 10Gi
accessModes:
  - ReadWriteOnce
hostPath:
  path: "/test"
```

— apiVersion: v1 kind: PersistentVolumeClaim metadata:

```
name: task-pv-claim
```

spec:

```
storageClassName: manual
accessModes:
  - ReadWriteOnce
resources:
  requests:
```

storage: 10Gi

## Cloud

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