

[kubernetes_volumens](#)

Volumes

Tenemos varios tipos:

- emptyDir
- hostPath
- Cloud

EmptyDir

Crea un directorio vacío en el pod y que estará disponible mientras exista el pod. Independiente de que los containers 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
montar como un volumen emptyDir
          name: vol
  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

From:

<https://intrusos.info/> - LCWIKI

Permanent link:

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Last update: **2023/01/18 14:22**

