

PV and PVC

Persistent Volume (PV)

A **Persistent Volume (PV)** is a **piece of storage** in a **cluster** that an **administrator** has **provisioned**. It is a **resource** in the cluster, just as a node is a cluster resource. A persistent volume is a volume **plug-in** that has a **lifecycle independent** of any **individual pod** that **uses the persistent volume**.

Persistent Volume Claim

A **Persistent Volume Claim (PVC)** is a **request for storage by a user**. It is similar to a Pod. Pods consume node resources and PVCs consume PV resources. **Pods** can request **specific levels of resources** (CPU and Memory). **Claims** can request **specific size** and **access modes** (e.g., they can be mounted ReadWriteOnce, ReadOnlyMany or ReadWriteMany, see AccessModes).

