PERSISTENT DISKS

- Persistent disks provides block storage
- PDs are located independently from virtual machine instances
- PDs support both HDD and SSD storage
- Persistent Disks are automatically encrypted to protect the data, in transit or at rest. We can supply our own key, or we can use automatically generated key
- Seamless backup and restore
- Read and write access can be configured for multiple VMs. One VM can have write access and all other VMs can have read access
- PDs are available in three storage types:
  - Zonal
  - Regional
  - Local

GOOGLE CLOUD FILESTORE

- To combat the lack of Network attached storage (NAS) compatible services, Google added a cloud file storage service to its portfolio
- FILESTORE is a managed file storage for applications
- Google Cloud FILESTORE uses NFS version 3 and is designed for latency-sensitive and consistent workloads with minimal performance variability
- Easily mount file shares on Compute Engine VMs
- FILESTORE has in-built zonal storage redundancy for high availability
- On-prem applications using NAS take advantage of FILESTORE