Adding Storage

MayaNAS Server supports any standard disk for storage configuration with the performance characteristics meeting your application workload.Some general guideines to follow

If data integrity is your top priority as in the case of database operations, small amount of SSD storage is required for journal log devices.

For latency sensitive workloads NVMe devices is a good match.

For general archiving or mostly read workloads Hybrid storage pool with nearline SATA storage and some SSD would be a good choice.

- **Scale-Up: Shared Storage:**

  In this configuration storage is directly housed on the server itself on internal shelf or on PCIe slots. The storage is just local to that server only. Traditional storage setup in which the servers are connected to external disk array shelves also known as JBODs. In this configuration storage is accessible from any server connected to the Expander unit on the shelf. The choice of interconnect is usually SAS upto 12Gbps
  SATA nearline storage array
  NVMeoF Array with JBOF (Just Bunch of Flash)

- **Scale-Out: Shared Nothing storage**

  In this configuration storage is directly housed on the server itself on internal shelf or on PCIe slots. The storage is just local to that server only.

- **Scale-Any:**

  Network attached storage presented as shared storage. Underneath the storage maybe Scale-out as in Ceph.

  The persistent storage available in Cloud is also another example of shared storage that can be attached to any computing instance but read-write can be performed from one instance at a time only.