

disk

Disk shows all the physically attached SCSI devices on the Mayastor storage server.

create	Used to create and connect to cloud object storage as disk.
show	List all physically attached SCSI, NVMe and cloud disks. Examine individual disk label.
set	Use to locate disk in SES enclosure array by blinking LED. Control power to individual slot in Linux supported disk array. Connect to configured cloud disk for IO.
delete	Used to erase all partition information on a physical disk only. Not for cloud disk.

Usage

```
show disk
create disk      <cloud-disk-name> cloud=cloud-label size=size-val[mMgGTt] blocksize=<size-val>[KM]
[bucket=<bucket-name>
set disk       <devname> [locate=[0|1]|power_status=[on|off]|fault=[0|1]]
set disk       disk=<cloud-disk> online=[0|1] [loopdev=yes|no|loopX]
delete disk <devname>
```

Examples

```
create disk cloud_disk1 cloud=mys3account bucket=zettatest-blob3 size=100g blocksize=1024K
```

Output

```
mayacli show disk
Attached SCSI disk devices:
DiskID*   Vendor    Model      Rev     Capacity Device    Serial#
-----
(0,0,0,0)  VMware    Virtual disk 2.0    10.00G sda
(3,0,0,0)  ATA       LITEONIT LAT-256 VBRF  223.57G sdb    002207103879
(3,0,1,0)  ATA       LITEONIT LAT-256 VBR5  223.57G sdc    002207103905
(3,0,2,0)  ATA       LITEONIT LAT-256 VBR7  223.57G sdd    002303106238
(3,0,3,0)  ATA       LITEONIT LAT-256 VBVE  223.57G sde    002303106426
(0,0,0,1)  TOSHIBA   THNSN51T02DU7 57GA4103 953.87G nvme0n1 37M300VKREEV
(0,0,0,0)  azure     zettadisk-blob-3 100.00G
(0,0,0,0)  aws       crossmeta        100.00G

* = DiskID contains (Host, Channel, Id, Lun)

mayacli show disk /dev/sda

--- /dev/sda
Block device, size 10 GiB (10737418240 bytes)
DOS partition map
Partition 1: 1 GiB (1073741824 bytes, 2097152 sectors from 2048, bootable)
  Type 0x83 (Linux)
  XFS file system, version 5
  Volume name ""
  UUID F0F37FD6-2E80-4011-836B-80A87BB93360 (DCE, v4)
  Volume size 1 GiB (1073741824 bytes, 262144 blocks of 4 KiB)
Partition 2: 8.999 GiB (9662627840 bytes, 18872320 sectors from 2099200)
  Type 0x8E (Linux LVM)
  Linux LVM2 volume, version 001
  LABELONE label at sector 1
  PV UUID udpsvE-tNdR-upcZ-23Gw-w0yN-CG3p-cfFsBW
  Volume size 8.999 GiB (9662627840 bytes)
  Meta-data version 1
```