

# 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

```