

# volume

## Usage

```
create volume    [label=]<volname> disk=<device> [size=<size>[kKmMgGtT]]
create volume    [label=]<volname> vg=<vg-name>|snapshotof=<volname>
                 disk=<device>size=<size>[kKmMgGtT] [options=<lvopts>]
create volume    [label=]<thinpoolname> thinpool=1 vg=<vg-name> size=<size>
                 [kKmMgGtT]
create volume    [label=]<volname> thinpool=<thinpoolname> size=<size>
                 [kKmMgGtT]
create volume    [label=]<volname> filesystem=trfs|ext4|zfs pathname=<fs-path>
                 [disk=<disk-name>] [zp=<pool-name>]
delete volume    [label=]<volname>
set volume       <volname> [size|capacity=<size>[kKmMgGtT]]
                 [readAheadEnabled=boolean] [readAheadMulti=integer-val]
                 [readCacheEnabled=boolean] [writeCacheEnabled=boolean]
                 [cacheFlushDelay=integer] [varyioEnabled=boolean]
                 [readOnly|writeProtect=boolean]
show volume      [[label=][user-label]]
```

## Examples

```
mayacli create volume testvol disk=/dev/sda
mayacli create volume testvol vg=vgtest size=200G
mayacli create volume snap_test snapshotof=testvol size=20G
mayacli create volume vmpool_thin thinpool=1 vg=vgtest size=200G
mayacli create volume vmdisk_thin thinpool=vmpool size=1T
mayacli create volume export1 filesystem=trfs pathname=/vault/projects
options=' "(rw, sync) "'
```

## Output

```
mayaccli show vol
```

```
Configured Volumes:
```

```
Type: id = Individual Disk, bd = Block Device, flex = Flexible Volume,  
snap = Snapshot Volume, rg = Raid Group, vg = Volume Group,  
tape = Virtual Tape Volume, vtape = Virtual Tape Drive,  
vtl = Virtual Tape Library, crypt = Block level encrypted volume
```

Volume Device	Type	Size
rhel	vg	9.00G /dev
/rhel		
testvg1	vg	223.57G /dev
/testvg1		
test_thinpool	thinp	100.00G /dev/testvg1
/test_thinpool		
thinvoll	flex	15.00G /dev/testvg1
/thinvoll		
thinvol2	flex	20.00G /dev/testvg1
/thinvol2		
thickvoll	flex	50.00G /dev/testvg1
/thickvoll		
thinvol3	flex	20.00G /dev/testvg1
/thinvol3		
testzpool1	zpool	222.00G /dev
/testzpool1		
zvoll	flex	10.00G /dev/testzpool1
/zvoll		
zvol2	flex	100.00G /dev/testzpool1
/zvol2		
nvmevoll	block	953.87G /dev/nvme0n1