

LVM create

```
gdisk /dev/sdb (n -new; w -write)
pvcreate /dev/sdb1 /dev/sdb2
pvdisplay
vgcreate vg01 /dev/sdb1 /dev/sdb2
lvcreate -L50 -n lv01 vg01
lvcreate -l 40%VG -n lv02 vg01
lvcreate -l 100%FREE -n lv03 vg01
lvs
mkfs.xfs /dev/vg01/lv01
mount /dev/vg01/lv01 /mnt/test_1
```

STRATIS create

```
yum install stratisd stratis-cli
systemctl enable --now stratisd
wipefs -a /dev/sdb
stratis pool create mypool /dev/sdb
stratis pool list
stratis fs create mypool stratis1
stratis fs list
mkdir /mnt/stratis_01
echo '/dev/stratis/mypool/stratis1 /mnt/stratis_01 xfs defaults,x-systemd.requires=stratisd.service 0 0' >> /etc/fstab
mount -a
```

LVM delete

```
lvremove /dev/vg01/lv0*
vgremove vg01
pvremove /dev/sdb1 /dev/sdb2
```

LVM extended/reduce

```
vgreduce vg01 /dev/sdb2
vgextend vg01 /dev/sdb2
lvextend -l +100%FREE /dev/vg01/lv01
xfs_growfs /dev/vg01/lv01
```

STRATIS remove

```
stratis fs destroy mypool stratis1
stratis pool destroy mypool
```

VDO

```
yum install -y vdo kmod-kvdo
vdo create --name=vdo1 --device=/dev/sdb --vdoLogicalSize=1T
mkfs.xfs /dev/mapper/vdo1
mkdir /mnt/vdo1
cp /usr/share/doc/vdo/examples/systemd/-VDO.mount.example /etc/systemd/system/mnt-vdo1.mount
what = /dev/mapper/vdo1 where = /mnt/vdo1
systemctl enable --now vdo1.mount
vdostats --human-readable
```

LVM other

```
mirror
| lvcreate -L 1G -m1 -n lv-mir vg01
snapshot
| lvcreate -L500 -s -n sn01 /dev/vg01/lv01
export
| vgexport vg01
import
| vgimport vg01
deactivate
| vgchange -an vg01
activate
| vgchange -ay vg01
```

VDO remove

```
systemctl disable --now mnt-vdo1.mount
vdo remove --name=vdo1
```

