Cheatography

RedHat volume manager Cheat Sheet

by dartmoor via cheatography.com/144479/cs/31020/

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 extented/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

By **dartmoor**
cheatography.com/dartmoor/

Published 5th March, 2022.
Last updated 5th March, 2022.

Sponsored by **ApolloPad.com**
Everyone has a novel in them. Finish Yours!
https://apollopad.com