RAID 1 CONFIGURATION COMMAND: Add 2 extra disks of 20 GB other than boot disk.

1. Lsblk
2. **[root@localhost ~]# yum install mdadm**
3. **[root@localhost ~]# mdadm --create --verbose /dev/md1 --level=1 --raid-devices=2 /dev/sdb /dev/sdc**

**mdadm: Note: this array has metadata at the start and**

**may not be suitable as a boot device. If you plan to**

**store '/boot' on this device please ensure that**

**your boot-loader understands md/v1.x metadata, or use**

**--metadata=0.90**

**mdadm: size set to 20954112K**

**Continue creating array? (y/n) y**

**mdadm: Defaulting to version 1.2 metadata**

**mdadm: array /dev/md1 started.**

1. **[root@localhost ~]# mdadm --examine /dev/sdb**
2. **[root@localhost ~]# mdadm --examine /dev/sdc**
3. **[root@localhost ~]# mdadm --detail /dev/md1**
4. **[root@localhost ~]# mkfs.ext4 /dev/md1**
5. **[root@localhost ~]# mkdir /mnt/raid1**
6. **[root@localhost ~]# mount /dev/md1 /mnt/raid1/**
7. **[root@localhost ~]# df –h**
8. **[root@localhost ~]# blkid /dev/md1**
9. **[root@localhost ~]# vi /etc/fstab**
10. **[root@localhost ~]# cat /etc/fstab**

**#**

**# /etc/fstab**

**# Created by anaconda on Sun Nov 27 00:26:18 2022**

**#**

**# Accessible filesystems, by reference, are maintained under '/dev/disk'**

**# See man pages fstab(5), findfs(8), mount(8) and/or blkid(8) for more info**

**#**

**/dev/mapper/centos-root / xfs defaults 0 0**

**UUID=fbf76286-7b82-442d-abd8-5369f4f56909 /boot xfs defaults 0 0**

**/dev/mapper/centos-swap swap swap defaults 0 0**

**UUID="abae046e-6475-4a75-a2ca-9b4669b5d7ba" /mnt/raid1 ext4 defaults 0 0**

1. **[root@localhost ~]# mdadm --detail /dev/md1**
2. **[root@localhost ~]# cd /mnt/raid1/**
3. **[root@localhost raid1]# echo test > raid1.txt**
4. **[root@localhost raid1]# umount /mnt/raid1**
5. **[root@localhost raid1]# mdadm --stop /dev/md1**
6. **[root@localhost raid1]# mdadm --remove /dev/md1**
7. **[root@localhost raid1]# cat /mnt/raid1/raid1.txt**