RAID 5 CONFIGURATION COMMAND: Add 4 extra disks of 2 GB other than boot disk.

1. [root@localhost ~]# lsblk
2. [root@localhost ~]# yum install mdadm –y
3. [root@localhost ~]# mdadm --create --verbose /dev/md10 --level=10 --raid-devices=4 /dev/sdb /dev/sdc /dev/sdd /dev/sde
4. [root@localhost ~]# mkfs.ext4 /dev/md10
5. [root@localhost ~]# mkdir /mnt/raid10
6. [root@localhost ~]# mount /dev/md10 /mnt/raid10/
7. [root@localhost ~]# df –TH
8. [root@localhost ~]# lsblk
9. [root@localhost ~]# blkid /dev/md10

/dev/md10: UUID="91f46cc9-175a-446a-9c39-8252d97e5d07" TYPE="ext4"

1. [root@localhost ~]# vi /etc/fstab
2. [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="91f46cc9-175a-446a-9c39-8252d97e5d07" /mnt/raid10 ext4 defaults 0 0

1. [root@localhost ~]# mount –a
2. [root@localhost ~]# lsblk
3. [root@localhost ~]# mdadm --detail /dev/md10
4. [root@localhost ~]# mdadm --fail /dev/md10 /dev/sde
5. [root@localhost ~]# mdadm --detail /dev/md10
6. [root@localhost ~]# mdadm --remove /dev/md10 /dev/sde
7. [root@localhost ~]# mdadm --detail /dev/md10
8. [root@localhost ~]# mdadm --add /dev/md10 /dev/sde
9. [root@localhost ~]# mdadm --detail /dev/md10