Assignment-2 Creating RAID 10 Array

```
tuned-2,24,0-2.el9,moarch
Installed:

kernel-5,14.0-539.el9.x86_64

kernel-modules-5,14.0-539.el9.x86_64

kernel-modules-5,14.0-539.el9.x86_64

kernel-modules-5,14.0-539.el9.x86_64

kernel-modules-5,14.0-539.el9.x86_64

kernel-modules-5,14.0-539.el9.x86_64

kernel-modules-5,14.0-539.el9.x86_64

kernel-modules-core-5,14.0-539.el9.x86_64

kernel-modules-core-6,14.0-6,
```

```
dhpcsa@localhost:~
                                                                                                           dhpcsa@localhost:~
[dhpcsa@localhost ~]$ sudo mdadm --detail /dev/md0
[sudo] password for dhpcsa:
/dev/md0:
           Version : 1.2
    Creation Time : Fri Dec 13 12:20:09 2024
        Raid Level : raid10
        Array Size : 20953088 (19.98 GiB 21.46 GB)
    Used Dev Size : 10476544 (9.99 GiB 10.73 GB)
     Raid Devices : 4
    Total Devices : 4
      Persistence : Superblock is persistent
      Update Time : Fri Dec 13 12:21:55 2024
            State : clean
   Active Devices : 4
  Working Devices : 4
   Failed Devices : 0
    Spare Devices : 0
           Layout : near=2
        Chunk Size : 512K
Consistency Policy : resync
             Name : localhost.localdomain:0 (local to host localhost.localdomain)
             UUID : 3ed7319b:1e9ec6fa:0abc14e1:ef4abcfe
           Events : 17
                            RaidDevice State
   Number
            Major
                    Minor
                                       active sync set-A /dev/sdb
                                       active sync set-B /dev/sdc
                                       active sync set-A /dev/sdd
active sync set-B /dev/sde
[dhpcsa@localhost ~]$
```

```
15G 0 disk

1G 0 part /boot

14G 0 part

12.5G 0 lvm /

1.5G 0 lvm [SWAP]
 da
sda1
   sda2
   cs_vbox-root 253:0
cs_vbox-swap 253:1
sdb
└md127
                                           0 10G 0 disk
0 0B 0 md
0 10G 0 disk
0 0B 0 md
1 1024M 0 rom
 sdc
  md127
sdd
∟md127
sr0
                                8:48
[dhpcsa@localhost ~]$ sudo mdadm --detail /dev/md0
[sudo] password for dhpcsa:
indadm: cannot open /dev/md0: No such file or directory [dhpcsa@localhost ~]$ sudo mdadm --detail /dev/md127
 /dev/md127:
       Version : 1.2
Raid Level : raid10
Total Devices : 3
Persistence : Superblock is persistent
      State : inactive Active Devices : 0
     Working Devices : 3
Failed Devices : 0
        Spare Devices : 3
                    Name : localhost.localdomain:0 (local to host localhost.localdomain)
UUID : 3ed7319b:le9ec6fa:0abc14e1:ef4abcfe
Events : 17
      Number Major Minor
                                                RaidDevice
                                                                        /dev/sdb
[dhpcsa@localhost ~]$
```

```
localhost.localdomain: Fri Dec 13 12:33:18

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Personalities :
md127 : inactive sdb[1](S) sdc[3](S) sdd[2](S)
31429632 blocks super 1.2

unused devices: <none>
```

```
[dhpcsa@localhost ~]$ sudo mdadm --detail /dev/md0
[sudo] password for dhpcsa:
mdadm: cannot open /dev/md0: No such file or directory
[dhpcsa@localhost ~]$ sudo mdadm --detail /dev/md127
/dev/md127:
        Version : 1.2
Raid Level : raid10
     Total Devices : 3
       Persistence : Superblock is persistent
    Active Devices : 0
   Working Devices : 3
    Failed Devices : 0
     Spare Devices : 3
               Name : localhost.localdomain:0 (local to host localhost.localdomain)
               UUID : 3ed7319b:1e9ec6fa:0abc14e1:ef4abcfe
    Number Major Minor
                              RaidDevice
                                               /dev/sdd
/dev/sdb
[dhpcsa@localhost ~]$
```

```
- 8 32 - /dev/sdd
- 8 48 - /dev/sdb

[dhpcsa@localhost ~]$ lsblk

NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS

sda 8:0 0 156 0 disk

__sda1 8:1 0 16 0 part/boot

__sda2 8:2 0 146 0 part/boot

__sda2 8:2 0 146 0 part/boot

__sda2 8:1 0 1.55 0 lvm /

__cs_vbox-swap 253:1 0 1.55 0 lvm [SWAP]

sdb 8:16 0 106 0 disk

__md127 9:127 0 00 0 md

sdc 8:32 0 106 0 disk

__md127 9:127 0 00 md

sdd 8:48 0 106 0 disk

__md127 9:127 0 00 md

sdd 8:48 0 106 0 disk

__md127 9:127 0 00 md

sd 1:0 1 1024M 0 rom

[dhpcsa@localhost ~]$ ■
```

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The property of the property o
```

```
9:127 0 206 0 raid10
8:64 0 106 0 disk
9:127 0 206 0 raid10
└md127
sde
 md127
sr0
                  11:0 1 1024M 0 rom
[dhpcsa@localhost ~]$
[dhpcsa@localhost ~]$ sudo mdadm --detail /dev/md127
[sudo] password for dhpcsa:
/dev/md127:
    Creation Time : Fri Dec 13 12:20:09 2024
        Array Size : 20953088 (19.98 GiB 21.46 GB)
    Used Dev Size : 10476544 (9.99 GiB 10.73 GB)
     Raid Devices : 4
    Total Devices : 4
      Persistence : Superblock is persistent
      Update Time : Fri Dec 13 12:30:53 2024
   Active Devices : 4
  Working Devices : 4
   Failed Devices : 0
    Spare Devices : 0
            Layout : near=2
        Chunk Size : 512K
Consistency Policy : resync
             Name : localhost.localdomain:0 (local to host localhost.localdomain)
             UUID : 3ed7319b:le9ec6fa:0abc14e1:ef4abcfe
            Events : 17
    Number
            Major
                     Minor
                            RaidDevice State
                                       active sync set-A /dev/sdb
                                        active sync set-B
                                                            /dev/sdc
                                       active sync set-A
                                                            /dev/sdd
                                       active sync set-B /dev/sde
[dhpcsa@localhost ~]$
```