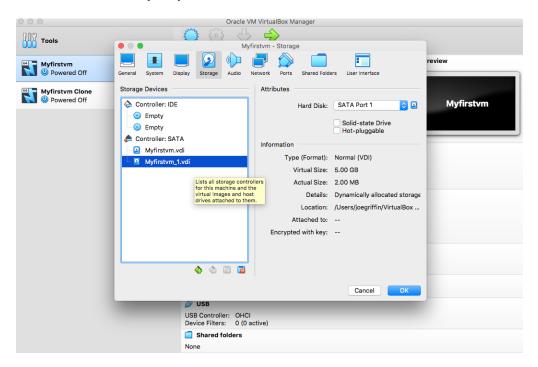


```
[root@joehost ~]# free
                total
                                                                  buff/cache
                               used
                                             free
                                                         shared
                                                                                  ava i lable
              1832932
                             181188
                                          1527656
                                                           8740
                                                                       124088
                                                                                    1510672
Mem:
                                          2097148
Swap:
             2097148
[root@joehost ~1# df
Filesystem
de∨tmpfs
                                     1K-blocks
                                                    Used Available Usez Mounted on
                                         904516
                                                        0
                                                             904516
                                                                        0% /dev
tmpfs
                                         916464
                                                              916464
                                                                        0% /dev/shm
                                                        0
tmpfs
                                         916464
                                                    8740
                                                             907724
                                                                        1% /run
tmpfs
                                         916464
                                                              916464
                                                                        0% /sys/fs/cgroup
                                                        И
/dev/mapper/centos_joehost-root 17811456 1283424
                                                           16528032
                                                                        8% /
/dev/sda1
                                                                       15% /boot
                                       1038336
                                                  153380
                                                             884956
tmpfs
                                                              183296
                                         183296
                                                        0
                                                                        0% /run/user/0
[root@joehost ~]# ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
    valid_lft forever preferred_lft forever inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1
000
    link/ether 08:00:27:8f:e1:20 brd ff:ff:ff:ff:ff
    inet 192.168.1.22/24 brd 192.168.1.255 scope global noprefixroute dynamic enp0s3
    valid_lft 84783sec preferred_lft 84783sec inet6 fe80::2320:806e:dbdd:c489/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
Eroot@joehost ~1# ping www.google.com
PING www.google.com (142.250.191.228) 56(84) bytes of data.
64 bytes from ord38s32-in-f4.1e100.net (142.250.191.228): icmp_seq=1 ttl=114 time=17.1 ms
64 bytes from ord38s32-in-f4.1e100.net (142.250.191.228): icmp_seq=2 ttl=114 time=27.2 ms
64 bytes from ord38s32-in-f4.1e100.net (142.250.191.228): icmp_seq=3 ttl=114 time=21.3 ms
 --- www.google.com ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2004ms
rtt min/avg/max/mdev = 17.107/21.908/27.247/4.157 ms
[root@joehost ~1#
```

```
Centos [Running]
CentOS Linux 7 (Core)
Kernel 3.10.0-1160.el7.x86_64 on an x86_64
joehost login: root
Password:
Last login: Wed Nov 3 22:00:32 on tty1
[root@joehost ~]# ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1
800
       valid_lft forever preferred_lft forever
    link/ether 08:00:27:8f:e1:20 brd ff:ff:ff:ff:ff
    inet 192.168.1.22/24 brd 192.168.1.255 scope global noprefixroute dynamic emp0s3
       valid_lft 85633sec preferred_lft 85633sec
    inet6 fe80::2320:806e:dbdd:c489/64 scope link noprefixroute
       valid_lft forever preferred_lft forever
[root@joehost ~]# _
```

```
CentOS Linux 7 (Core)
Kernel 3.10.0-1160.el7.x86_64 on an x86_64
joehost login: ls
Password:
Login incorrect
joehost login: root
Password:
Last login: Thu Nov 4 00:02:14 on tty1
[root@joehost ~1# ls
anaconda-ks.cfg
[root@joehost ~]# cd/tmp
-bash: cd/tmp: No such file or directory
[root@joehost ~]# cd /tmp
[root@joehost tmp]# ls
ks-script-9LFcXp yum.log
[root@joehost tmp]# cd
[root@joehost ~]# ls
anaconda-ks.cfg
[root@joehost ~]# _
```

- 7e. The values can be displayed in a more user friendly way by adding an extra step to the free command. The command free -h displays the results in a more user friendly way with units.
- 7f. The same step can be applied to the df command. The command df -h also displays the results in a more user friendly way with units.



## Command Isblk

```
[root@host joe ~]# lsblk
NAME
                          MAJ:MIN RM
                                       SIZE RO TYPE MOUNTPOINT
sda
                            8:0
                                    0
                                        20G
                                             0 disk
                                               part /boot
 -sda1
                            8:1
                                    0
                                         1G
                                             0
 -sda2
                            8:2
                                    0
                                        19G
                                             0
                                               part
   -centos_host.joe-root 253:0
                                    0
                                        17G
                                             0
                                                lvm
    centos_host.joe-swap 253:1
                                    0
                                         2G
                                             0 lvm
                                                     [SWAP]
sdb
                            8:16
                                    0
                                         5G
                                             0 disk
sr0
                                    1 1024M
                                             0
                           11:0
                                               rom
sr1
                           11:1
                                    1 1024M
                                             0 rom
[root@host.joe ~]# _
```

Here is the copied file! Thanks for your help