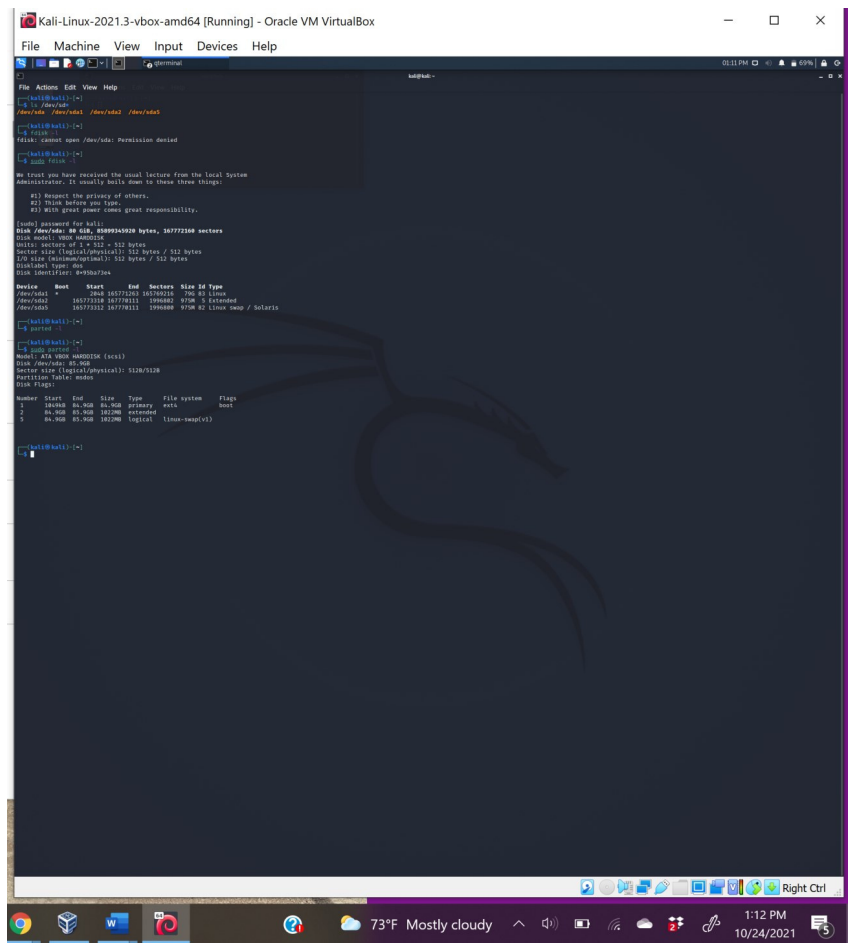
LINUX SYSTEM FOR CYBERSECURITY
Manage Local Storage

Part I– Check your file system

STEPS

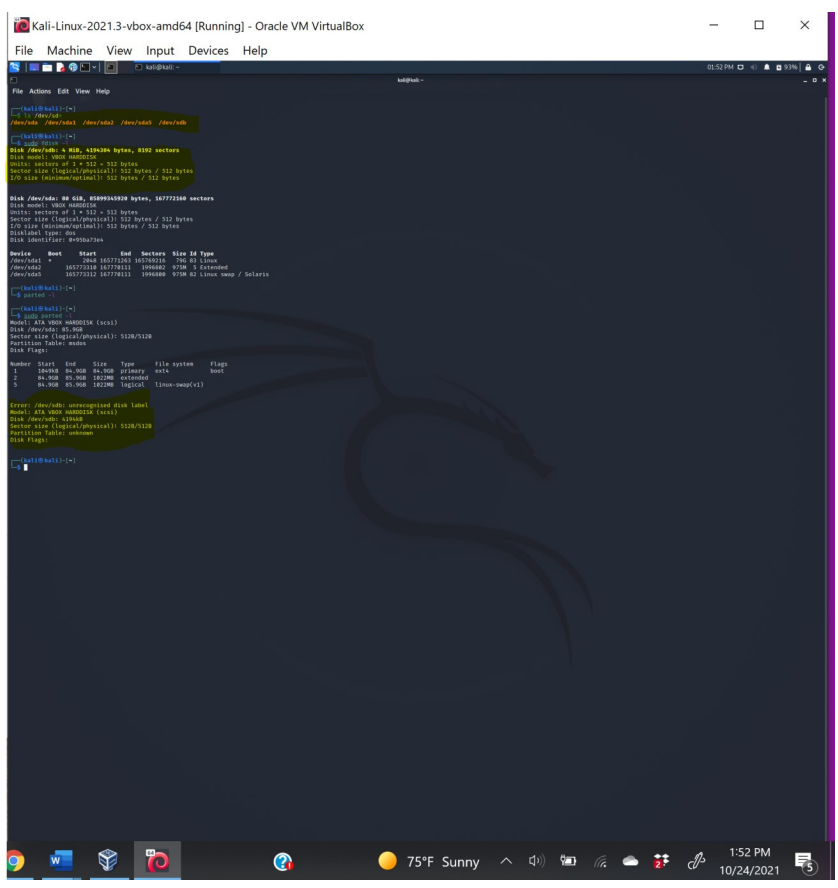
Step 1.
I executed the ls /dev/sd* command to see the current hard disk devices.
Step 2.
I executed the sudo fdisk -l command to list the current hard disk partitions.
Step 3.
I executed the sudo parted -l command to list the current hard disk partition table



Part II– Create a new virtual disk

STEPS

Step 1.
In the Oracle VM VirtualBox setting, attach a new virtual hard disk with a size of 200 MB to your current Linux VM. Name it "your_midas.vdi".
I went to settings, storage, add hard disk, create, change the name to fampo001, and created the hard disk.
Step 2.
Load this virtual hard disk to your virtual machine.
Step 3.
Repeat the steps in Part I, and highlight the differences with the new virtual hard disk I repeated the steps for part I again, and the highlighted part are the difference.

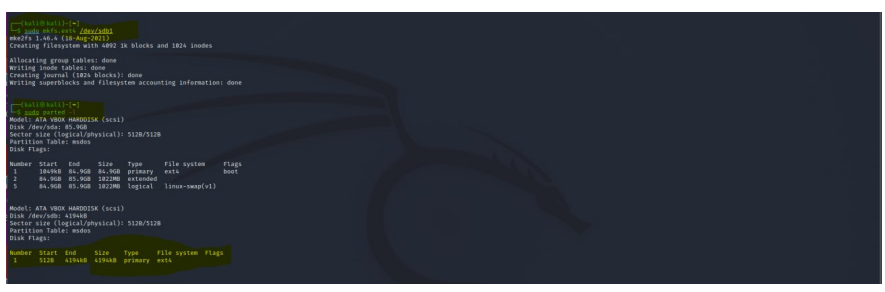


Part III– Creating Partitions and Filesystems

STEPS

Step 1.
Use the fdisk command to create a new primary partition on the new hard disk.
These are the commands I use to create a new primary partition:
Sudo fdisk /dev/sdb
Command n
Command p
Command p
Command w
Sudo fdisk -l

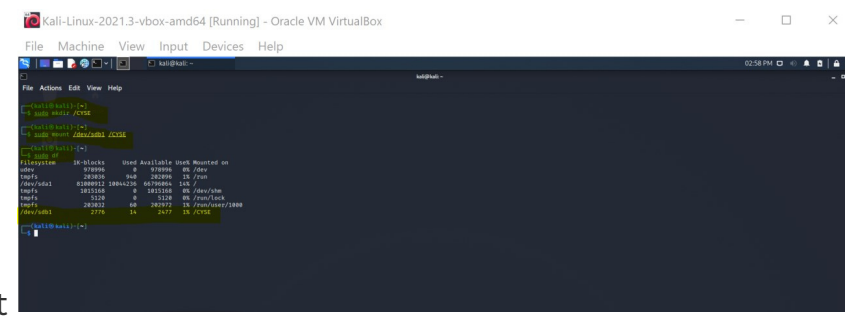
Step 2.
Use the correct command to create an ext4 filesystem on the new partition.
I use sudo mkfs.ext4 /dev/sdb1 to create an ext4 filesystem on the new partition.
Step 3.
Repeat the steps in Part I, and highlight the differences.
I use parted -l to repeat the steps in Part I and highlighted the differences.



Step 4.

Make a new directory named ***/cyse***. And mount the new partition under this directory.

I use sudo mkdir /CYSE to create a new directory, and sudo mount /dev/sdb1 /CYSE to mount the new partition under this directory.



Step 5.

Use the df command to check the mounting point of the new partition.

I use sudo df to check the mounting point of the new partition.

This artifact is an assignment I did for my Linux class and it's important because it shows that I know or have used kali Linux before. This is something employers like to see. Putting this on my portfolio boosts my chance of employment and it also makes it presentable.