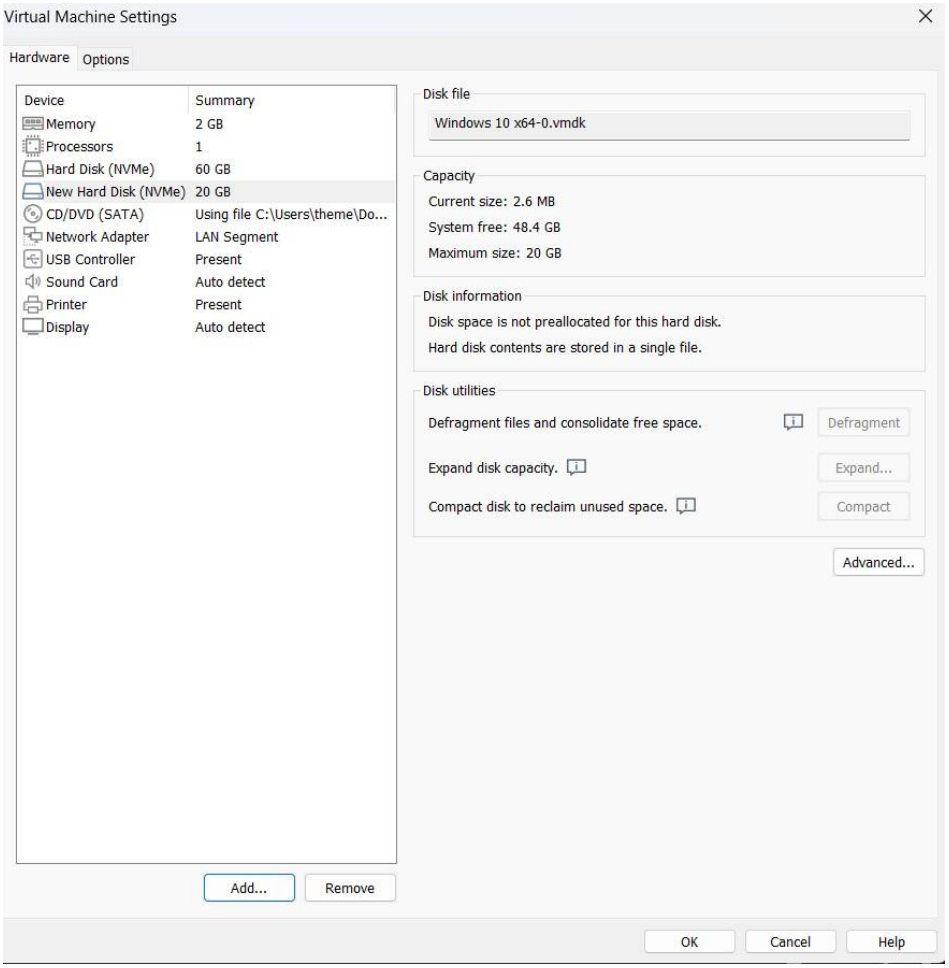
OVERVIEW:

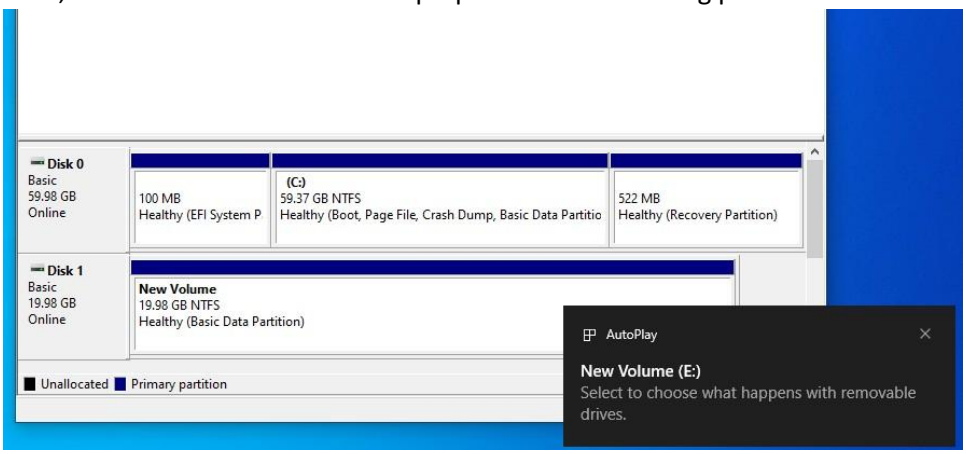
In this lab, I aimed to use Clonezilla to create a system backup for one of the virtual machines I manage. I chose to back up the Windows 10 VM as it is crucial for maintaining the integrity of the system and ensuring that I have a reliable restore point in case of issues. The process involved using Clonezilla's disk cloning capabilities to create an image of the entire system, including the operating system, applications, and data. This backup will provide a safety net in case of system failure or other unexpected events, making it an essential part of my VM management strategy.

ANALYSIS:

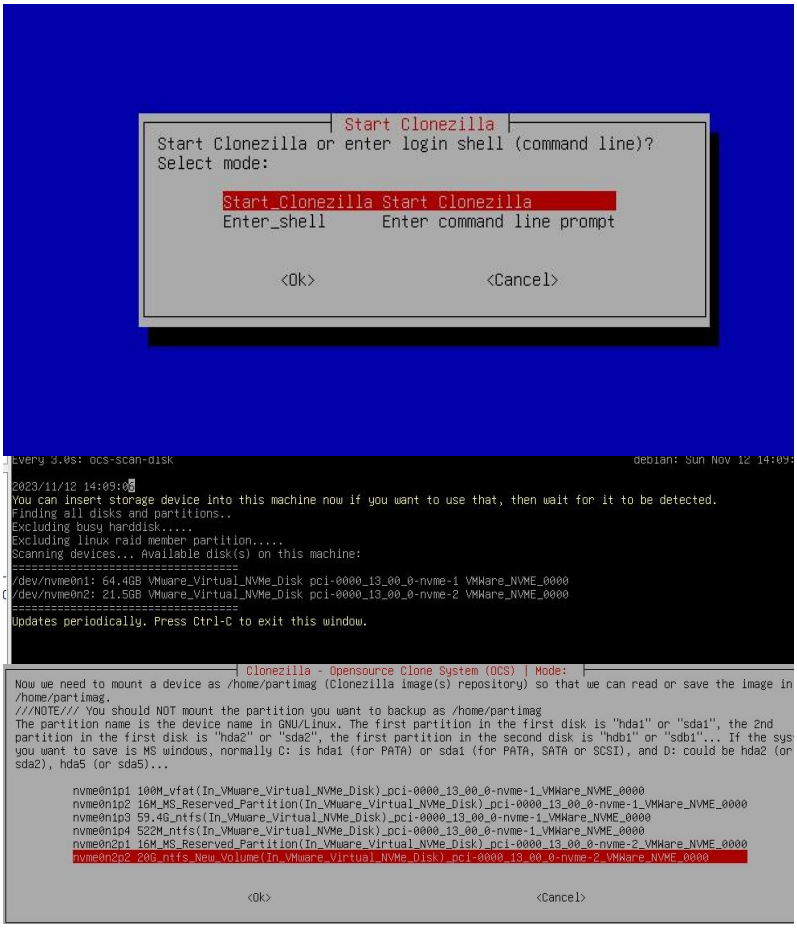
I created a new hard disk drive to serve as the backup.



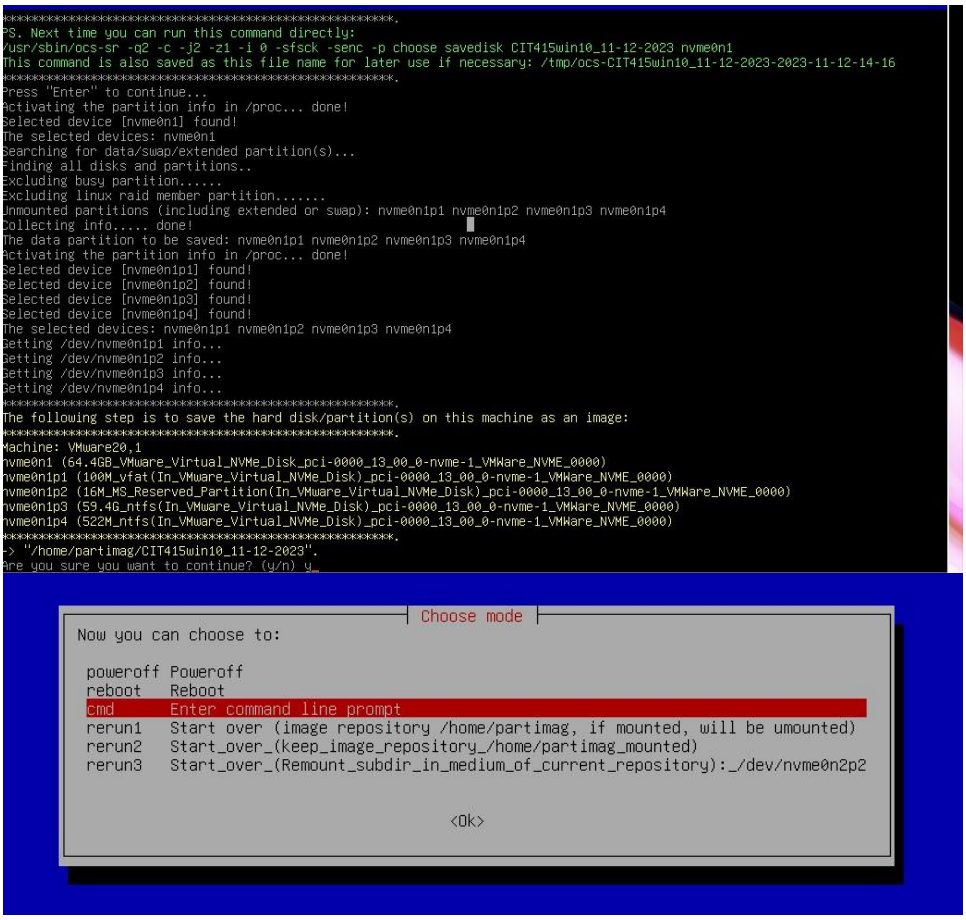
Next, I formatted the new drive to prepare it for the cloning process.



Using Clonezilla, I copied the contents of the original hard disk to the new drive, creating a system backup.




Clonezilla - Opensource Clone System (OCS)
Choose the mode to run the following wizard about advanced parameters:
Beginner Beginner mode: Accept the default options
Expert Expert mode: Choose your own options
Exit Exit. Enter command line prompt
<Ok>
<Cancel>
Clonezilla - Opensource Clone System (OCS): Select mode
Clonezilla is free (GPL) software, and comes with ABSOLUTELY NO WARRANTY
This software will overwrite the data on your hard drive when restoring! It is recommended to backup imp
restoring!***
///Hint! From now on, if multiple choices are available, you have to press space key to mark your select
will be shown when the selection is done///
savedisk Save_local_disk_as_an_image
saveparts Save_local_partitions_as_an_image
exit Exit. Enter command line prompt
<Ok>
<Cancel>
Clonezilla - Opensource Clone System (OCS) | Mode: savedisk
Input a name for the saved image to use.
Some reserved image names have special meanings, including "ask_user", "autoname", "autoname-*" "autohostname", and
"autoproductname". Please check Clonezilla website for more details.
CIT415win10_11-12-2023
<Ok>
<Cancel>
Clonezilla - Opensource Clone System (OCS) | Mode: savedisk
Choose local disk as source.
The disk name is the device name in GNU/Linux. The first disk in the system is "hda" or "sda", the 2nd disk is "hd
"sdb"... If multiple choices are available, press space key to mark your selection. An asterisk (*) will be shown
selection is done
[*] nvme0n1 64.4GB_VMware_Virtual_NVMe_Disk_pci-0000_13_00_0-nvme-1_VMWare_NVME_0000
<Ok>
<Cancel>



After the cloning process was completed, I verified that the backup was successfully created and accessible on the Windows 10 machine.