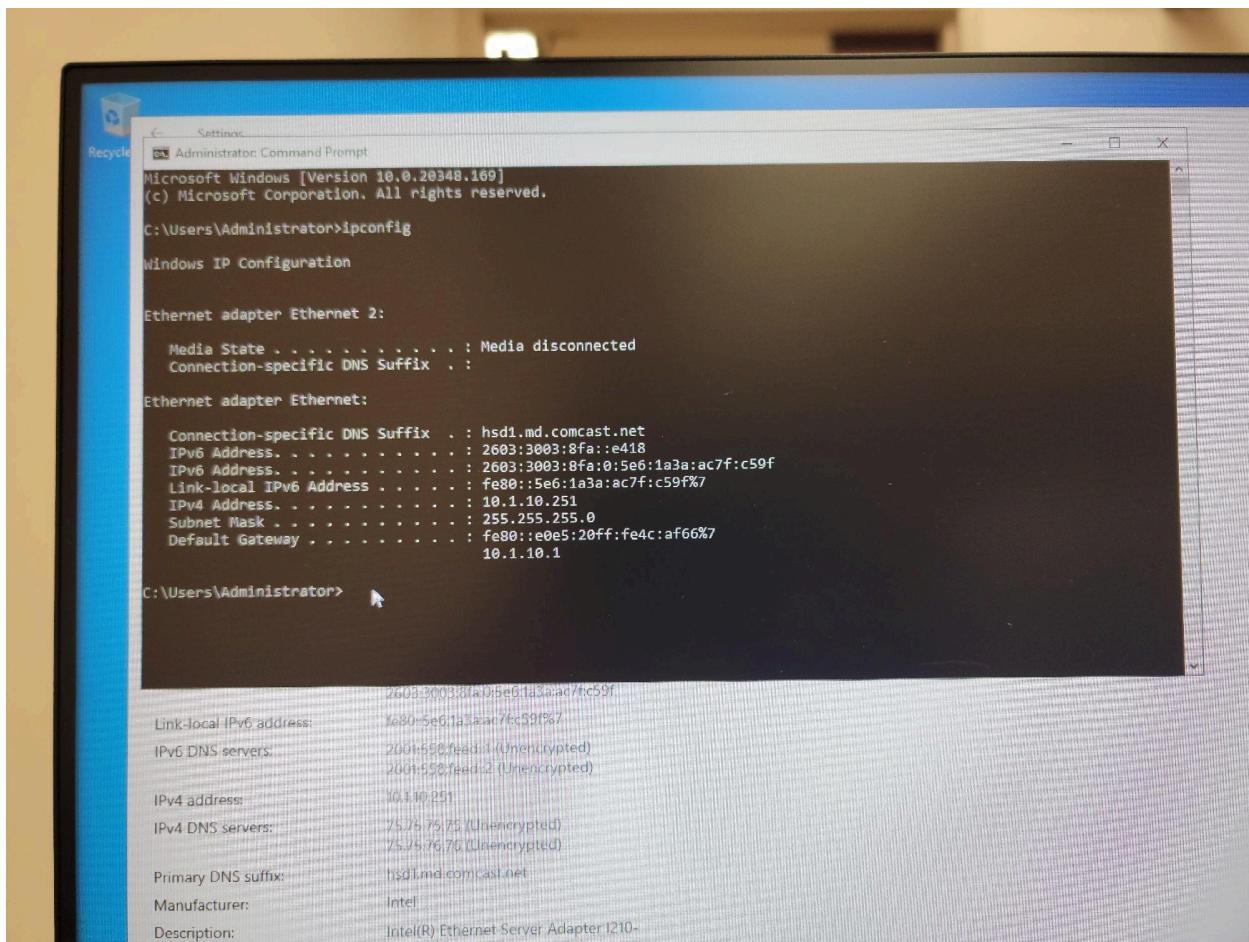


Branden Solomon
11/6/2023
Internet Technology

Portfolio

Windows 10 IP Address

1. After successfully install windows 10 go to command prompt and type “ipconfig” and press enter to see your network ip.



```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.20348.169]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Administrator>ipconfig

Windows IP Configuration

Ethernet adapter Ethernet 2:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix . :

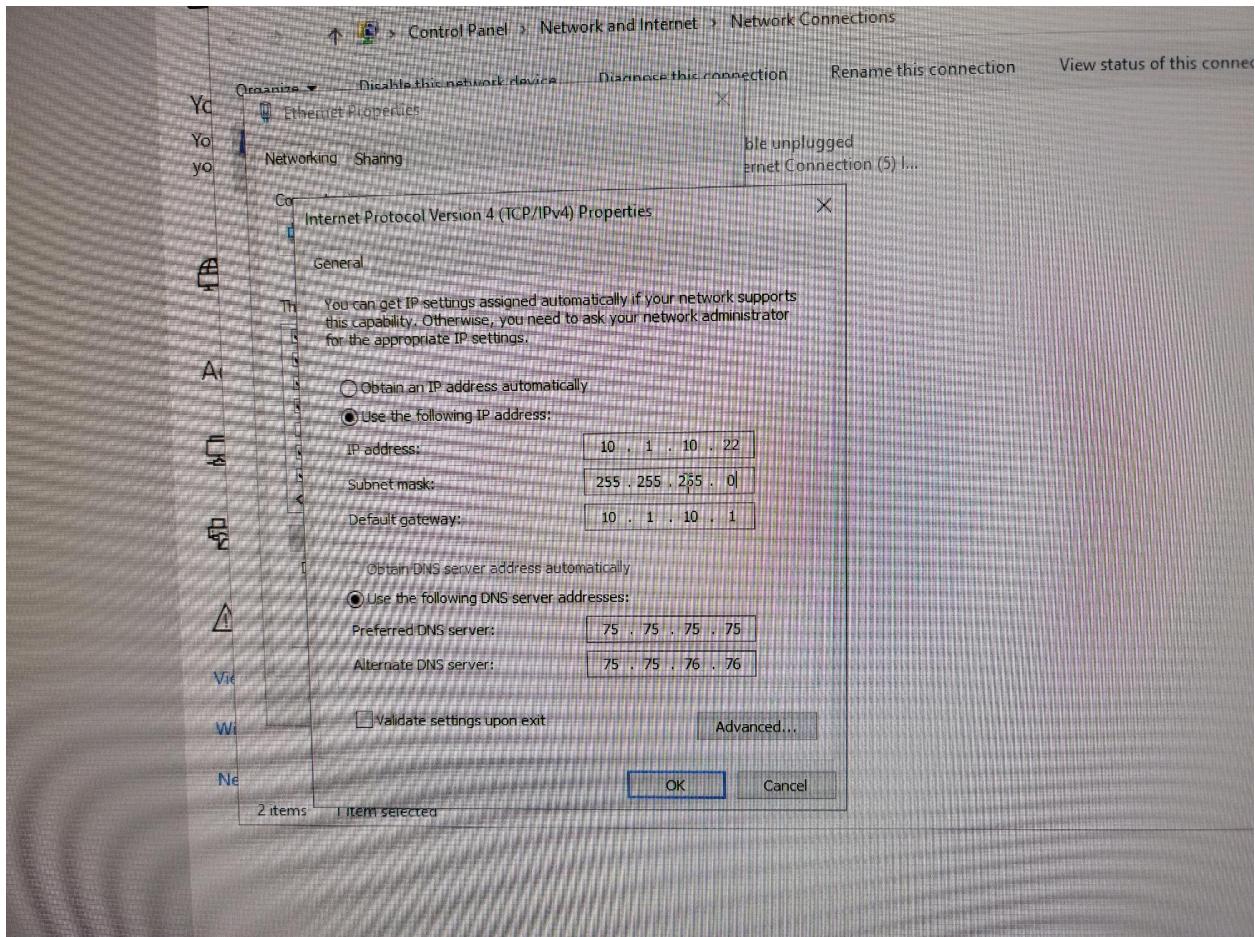
Ethernet adapter Ethernet:

    Connection-specific DNS Suffix . . . . . : hsd1.md.comcast.net
    IPv6 Address . . . . . : 2603:3003:8fa:0:5e6:1a3a:ac7f:c59f
    IPv6 Address . . . . . : fe80::5e6:1a3a:ac7f:c59f%7
    Link-local IPv6 Address . . . . . : fe80::5e6:1a3a:ac7f:c59f%7
    IPv4 Address . . . . . : 10.1.10.251
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : fe80::e0e5:20ff:fe4c:af66%7
                                10.1.10.1

C:\Users\Administrator>
```

Link-local IPv6 address: fe80::5e6:1a3a:ac7f:c59f%7
IPv6 DNS servers: 2001:556:feed1:1 (Unencrypted)
2001:556:feed1:2 (Unencrypted)
IPv4 address: 10.1.10.251
IPv4 DNS servers: 75.75.75.75 (Unencrypted)
75.75.76.76 (Unencrypted)
Primary DNS suffix: hsd1.md.comcast.net
Manufacturer: Intel
Description: Intel(R) Ethernet Server Adapter I210-

2. After you see your network go to setting → click network & interent → click ethernet → click change adapter options → right click Ethernet → selectr properties → select IPv4 and put the assignment ip address, subnet, default gateway, and dns server → after you finish setting up your the IPv4 click ok.



3. Go back to settings → click network & internet → click ethernet → click on network → click ethernet → you will now see your ip address, dns through properties.

Metered connection

If you have a limited data plan and want more control over data usage, make this connection a metered network. Some apps might work differently to reduce data usage when you're connected to this network.

Set as metered connection



Set a data limit to help control data usage on this network

IP settings

IP assignment:	Manual
IPv4 address:	10.110.22
IPv4 mask:	255.255.255.0
IPv4 gateway:	10.110.1

Edit

DNS settings

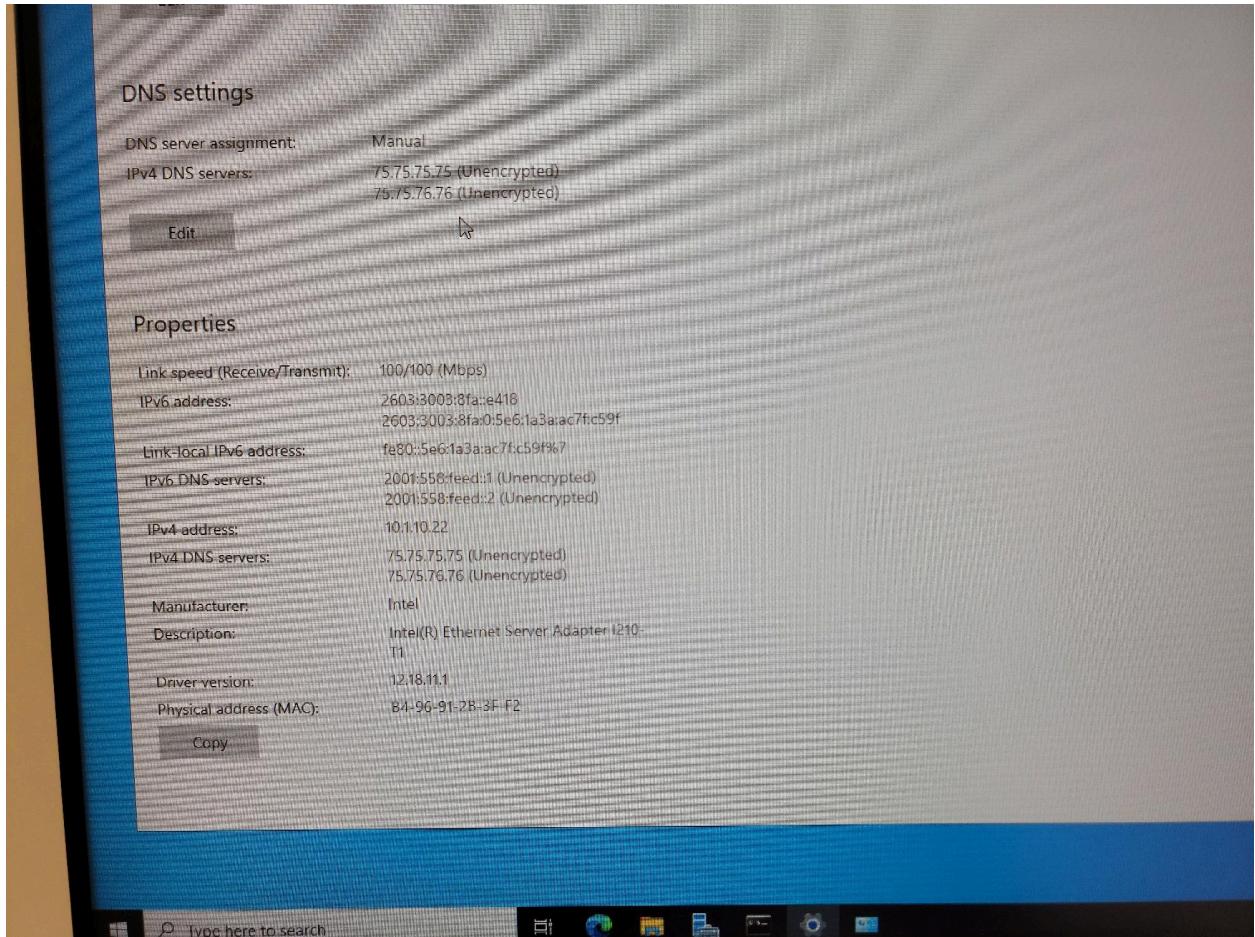
DNS server assignment:	Manual
IPv4 DNS servers:	75.75.75.75 (Unencrypted) 75.75.76.76 (Unencrypted)

Edit

Properties

Link speed (Receive/transmit):	100/100 (Mbps)
IPv6 address:	2603:3003:8fa:c418

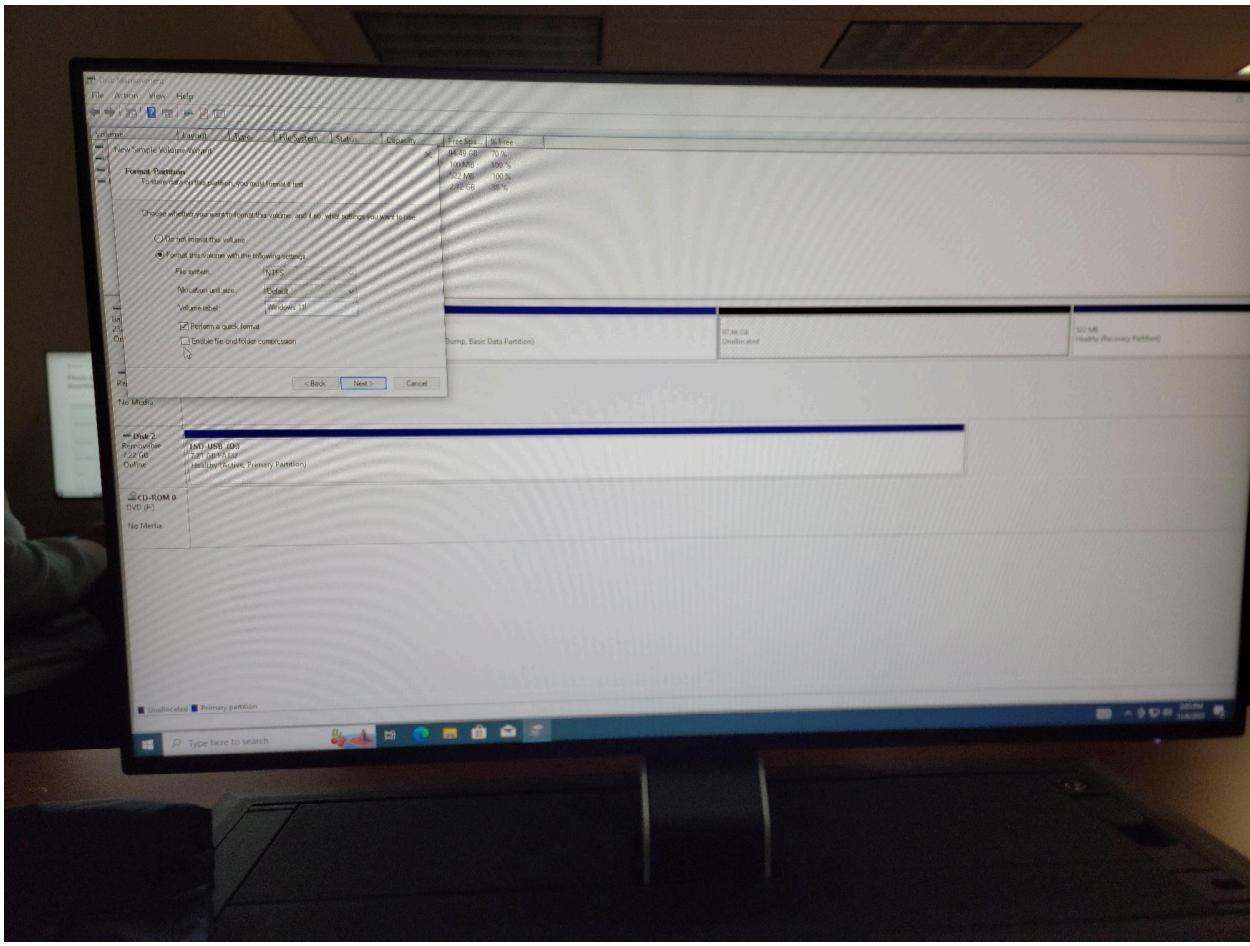


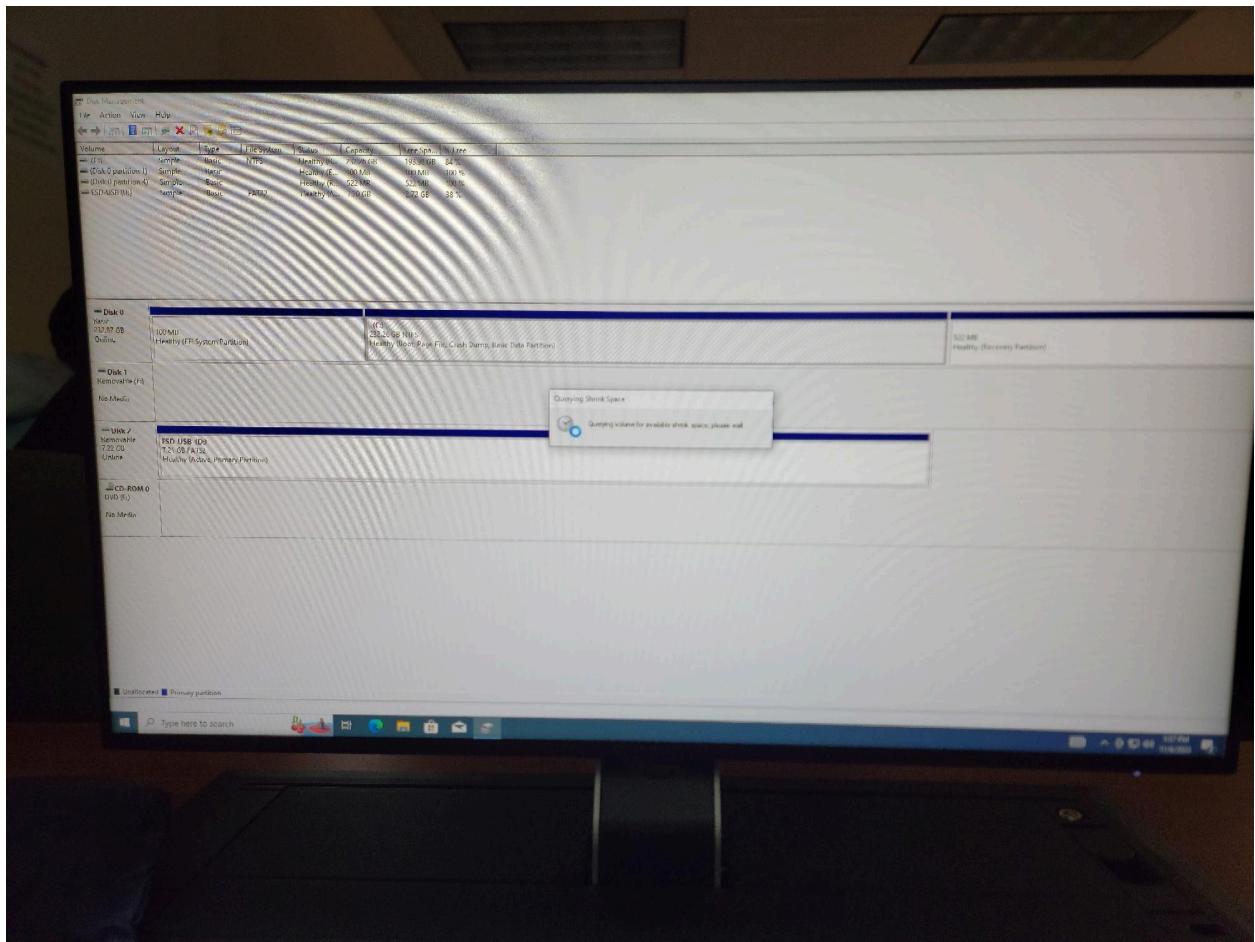


Dual Boot Windows 10 and Windows Server 16

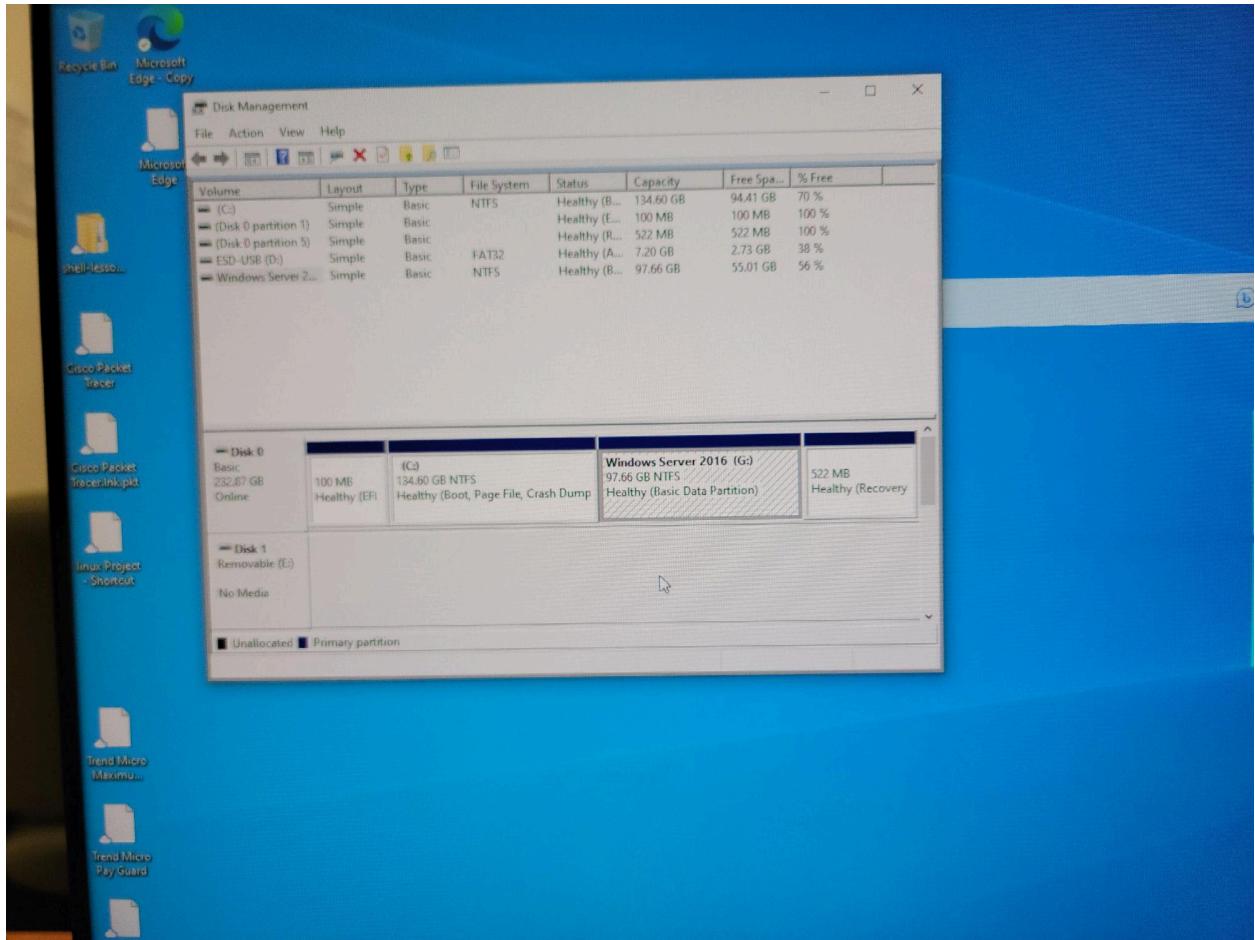
1. After installing window 10 to your flash drive, plug it in the desktop.
2. Make sure to spam F12 until their is a yellow text to the top right of the screen.
3. Click on Boot manager first then it will take you make to the F12 boot menu.
4. This time click the usb drive you plug in.
5. Make sure it said “English” before clicking next.
6. Install now
7. Click I the lincense term and click Next.
8. Select Custom Install window.
9. Make sure to delta all partitions from the drive 0.
10. only Drive 0 Unallocated Space should remain. Select [Drive 0 Unallocated Space], then click to new, then click the default size then click [Next] to reinstall Windows.
11. The computer will restart and enter the basic setting page of Windows after the reinstallation is complete, complete the following windows introductions.
12. They will ask your name device type any name for your device.
13. Click next and it will their is an option to skip most of their products.

14. Click skip for most of them and when you reach when they ask either your personal use or your work and school microsoft email.
15. Click personal use and type your email and password Then click next.
16. It will say create a pin, create any pin password for you to login in to your account. Click next.
17. It will take you to the log in screen put in the pin you created and press enter.
18. After you log in right click the start button and click disk management.
19. When you enter the Disk Management make sure to right click (C:) and click shrink volume.
20. Put the amount you want to shrink and click enter to finish editing it.
21. Now you will see the gray disk, right click it and click new simple volume.
22. They will ask the name of your new volume, make sure to put window server 2016 for your partition.. After that then proceed to click enter.

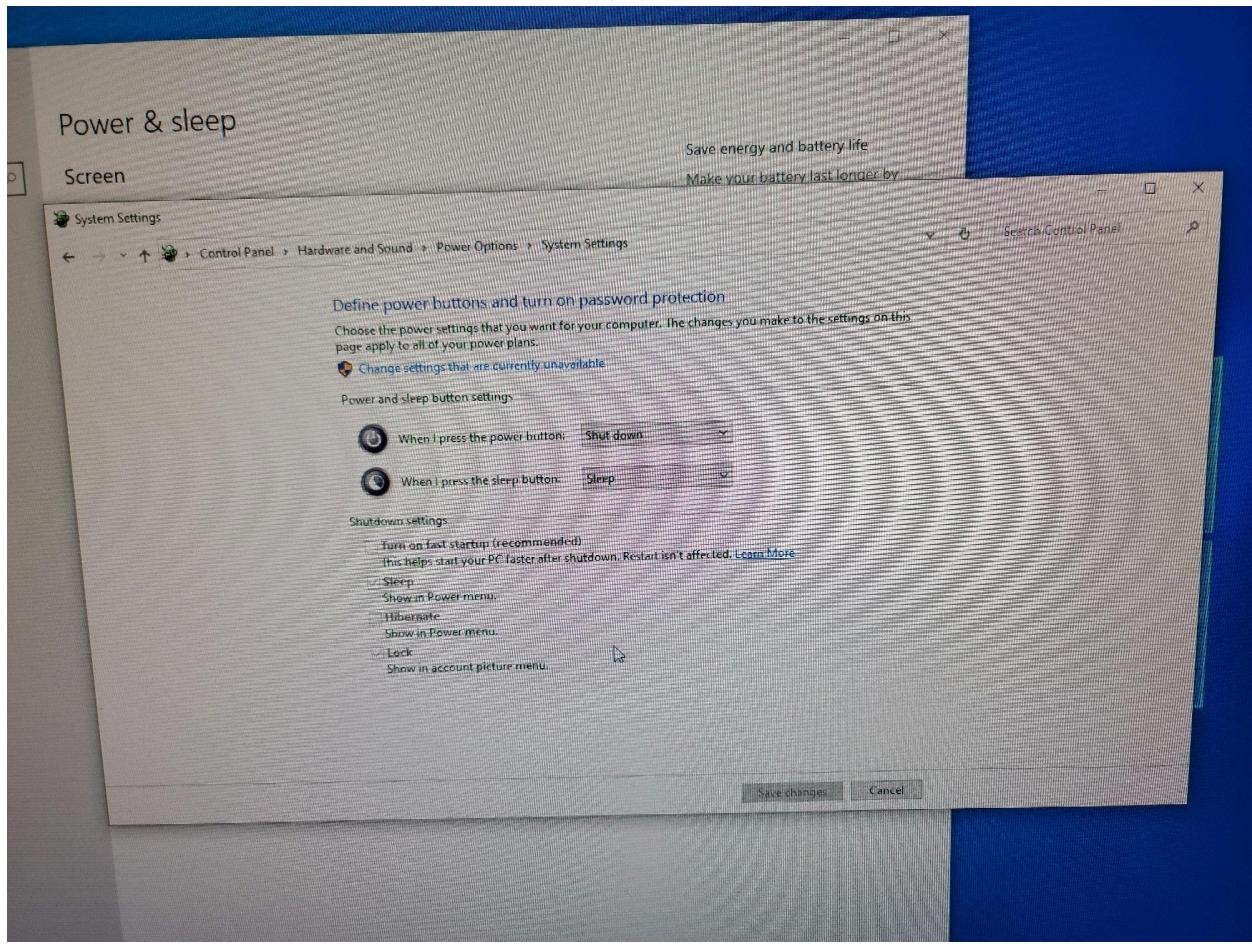


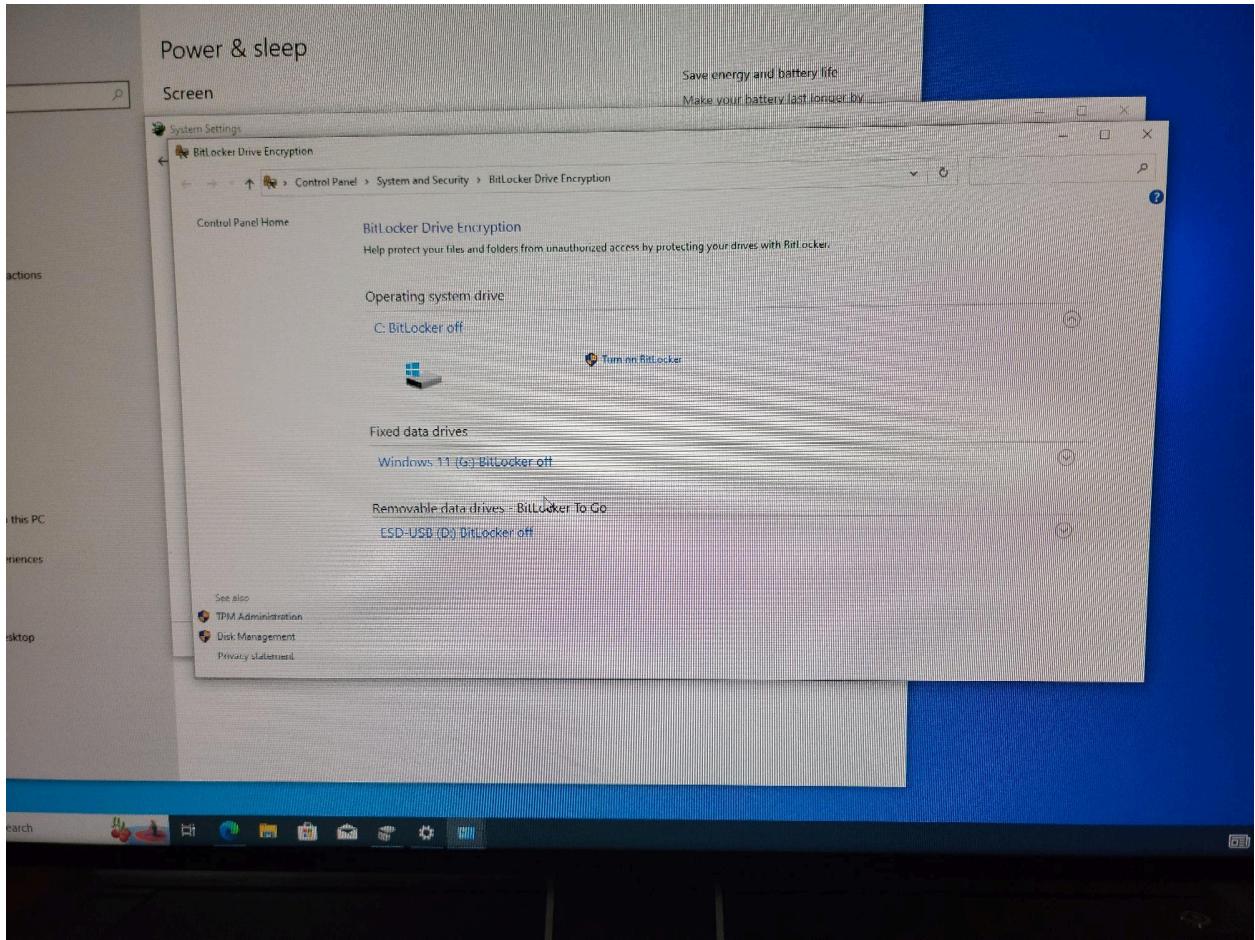


23. Now you will see your partition you created for windows server 16.

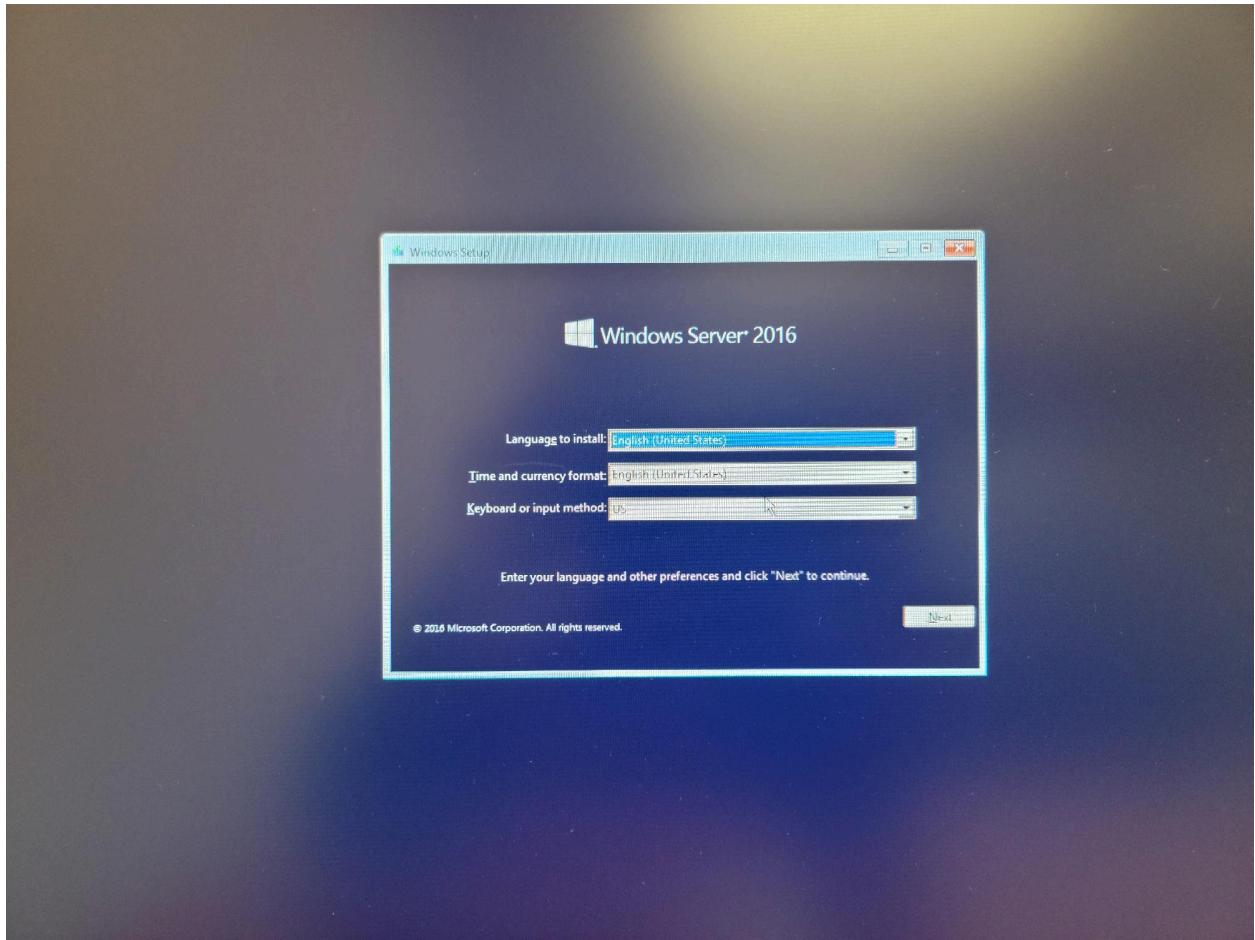


24. Before you Exit all the way out and shut down your pc make sure fast satrer is on and bitlocker off → then you shutdown the pc.

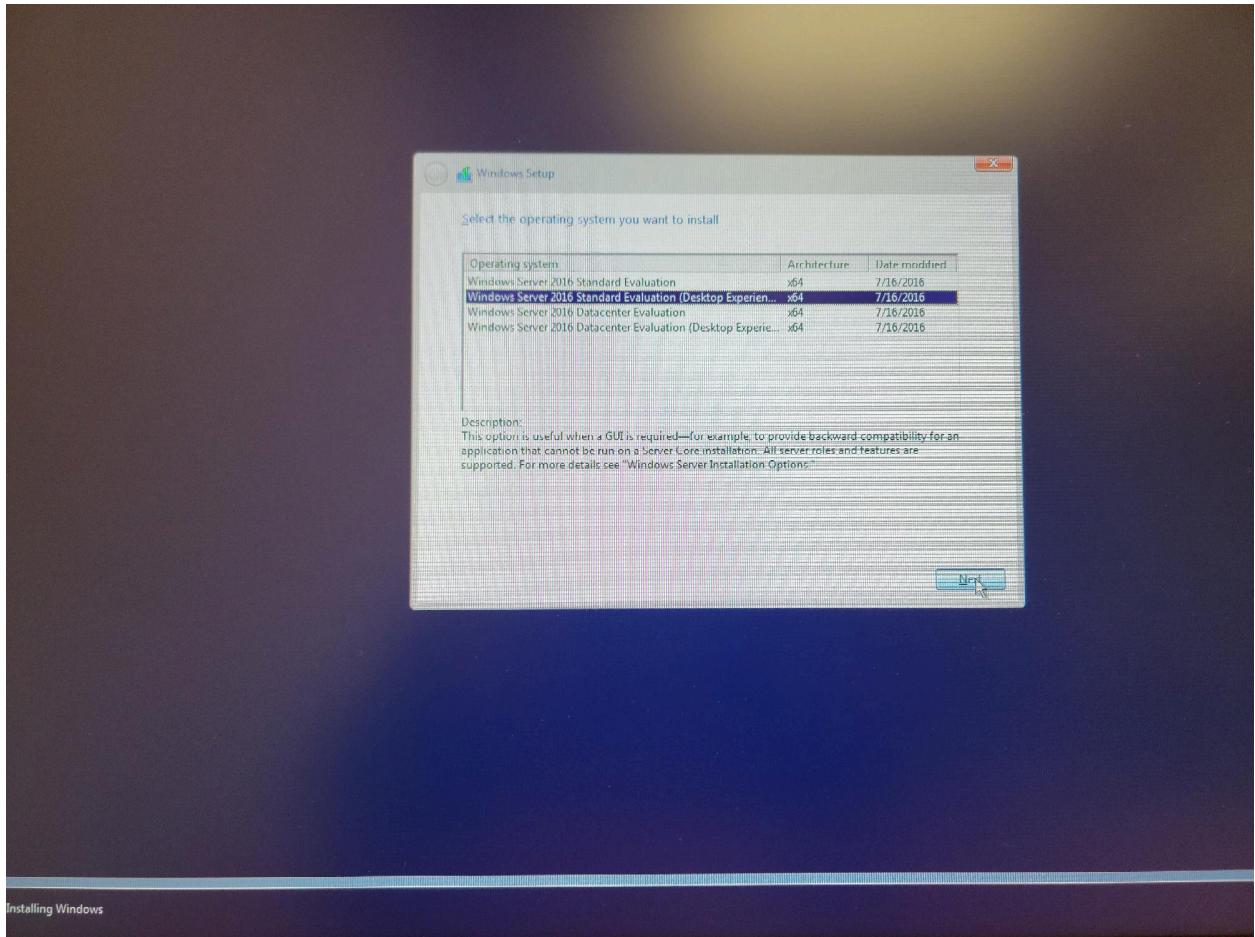




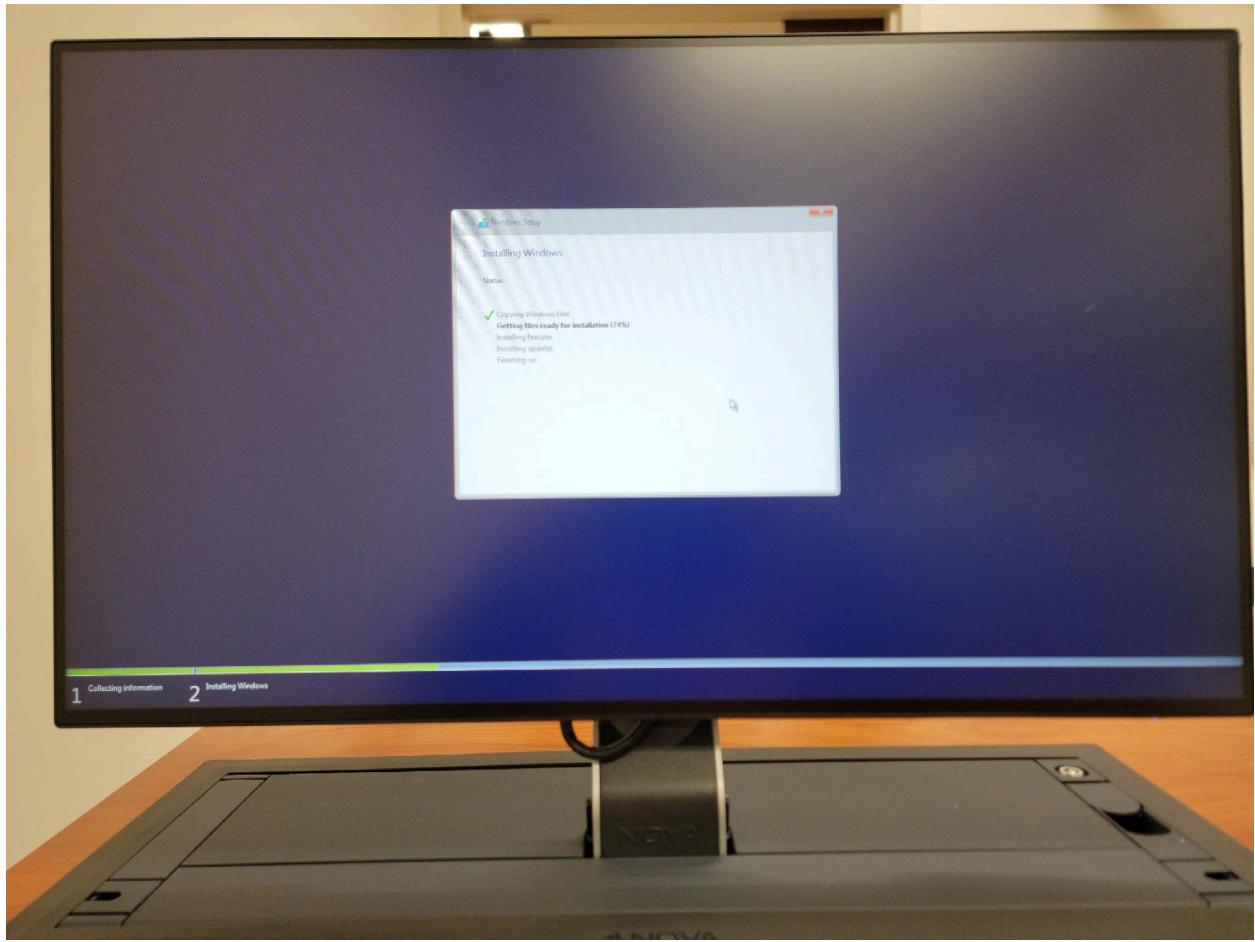
25. Take out the windows 10 flash drive and replaced with windows server 2016 in.
26. Spam f12 and it will take you to the dual boot options either windows server 2016 or windows 10.
27. Windows Server 2016 hub should pop up like this.



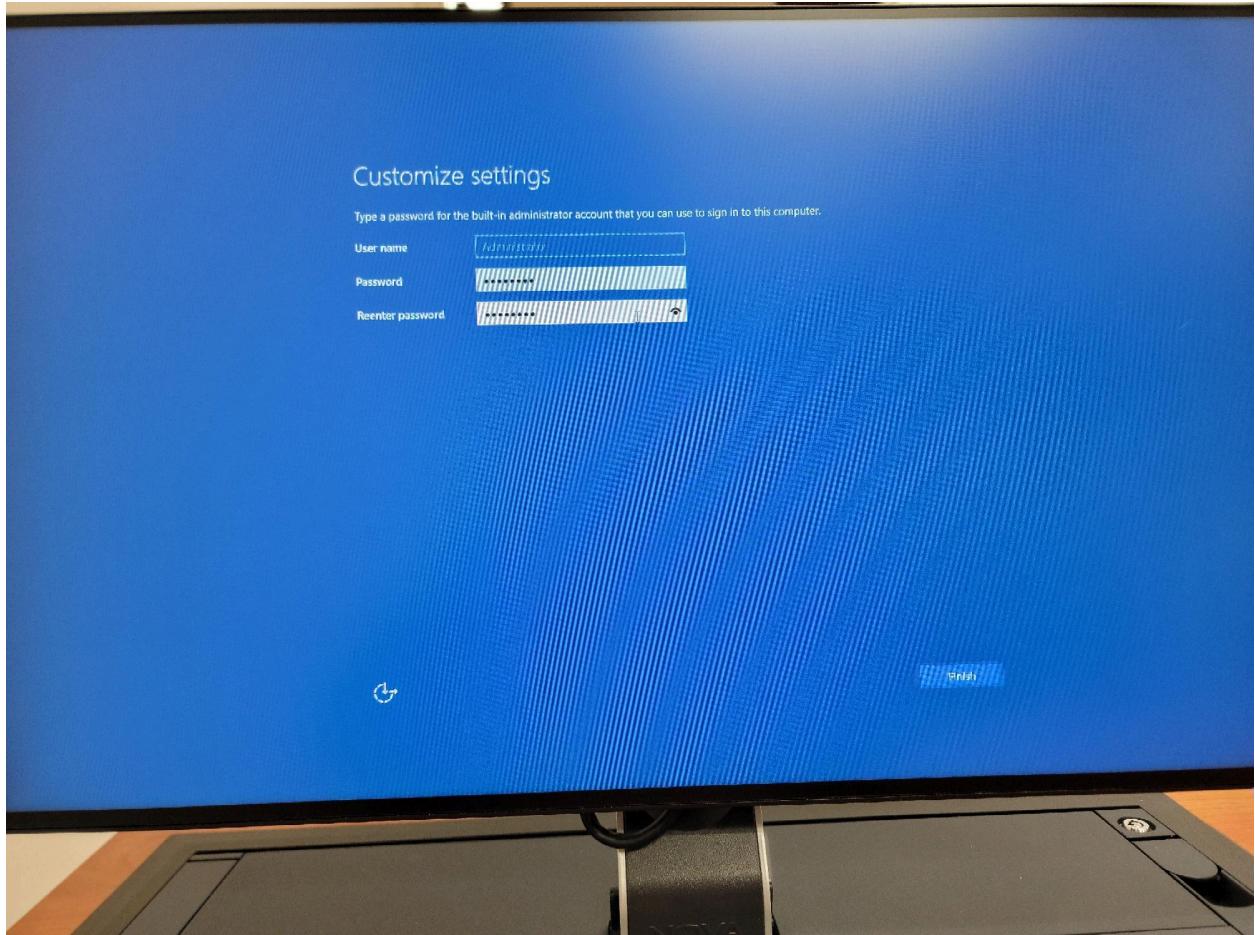
28. Make sure to click windows servers 2016 desktop verson of standard evaluation.



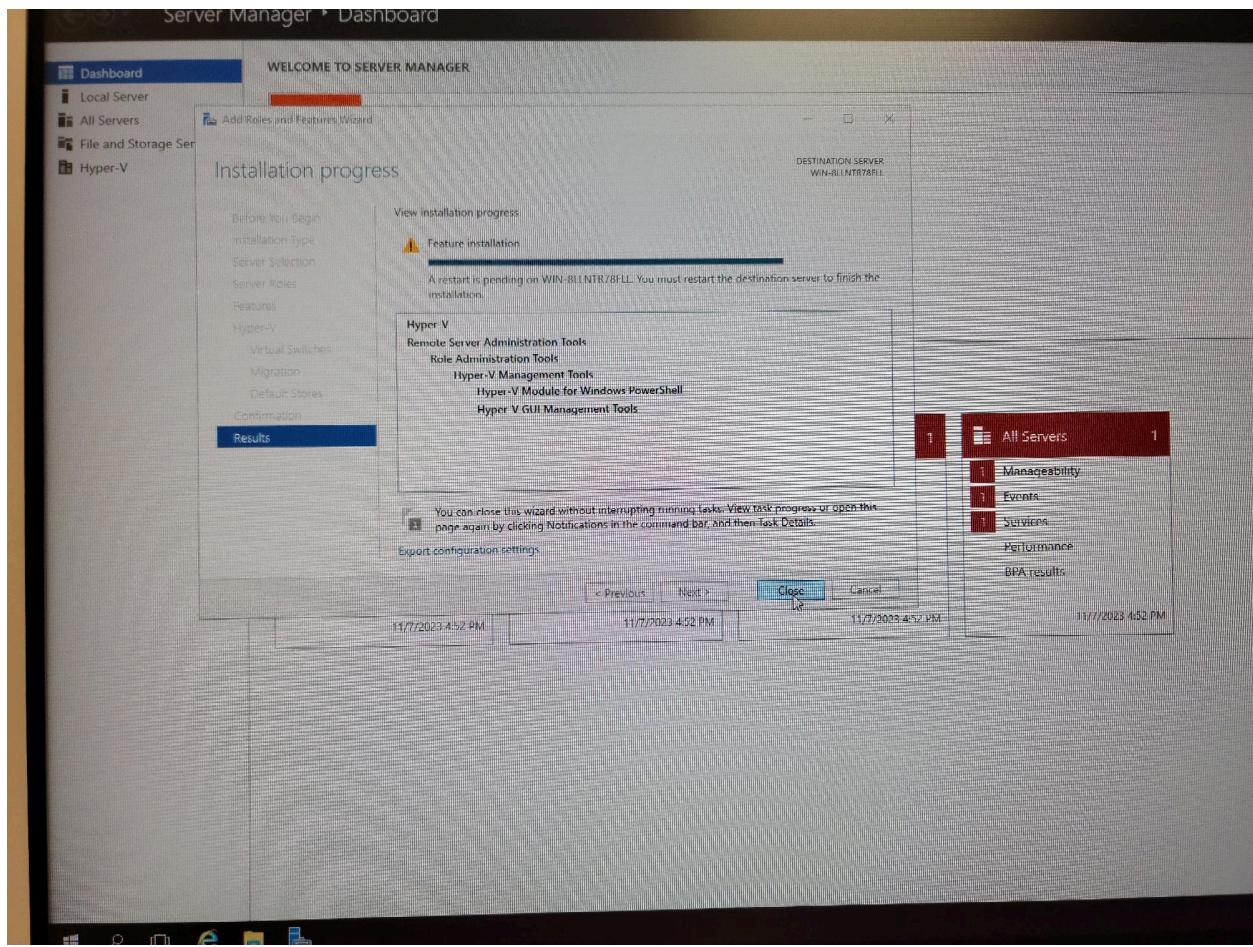
29. Make sure to click the partition you created earlier to install windows servers 2016.
30. Install the windows servers 2016 and wait for it to me finish.

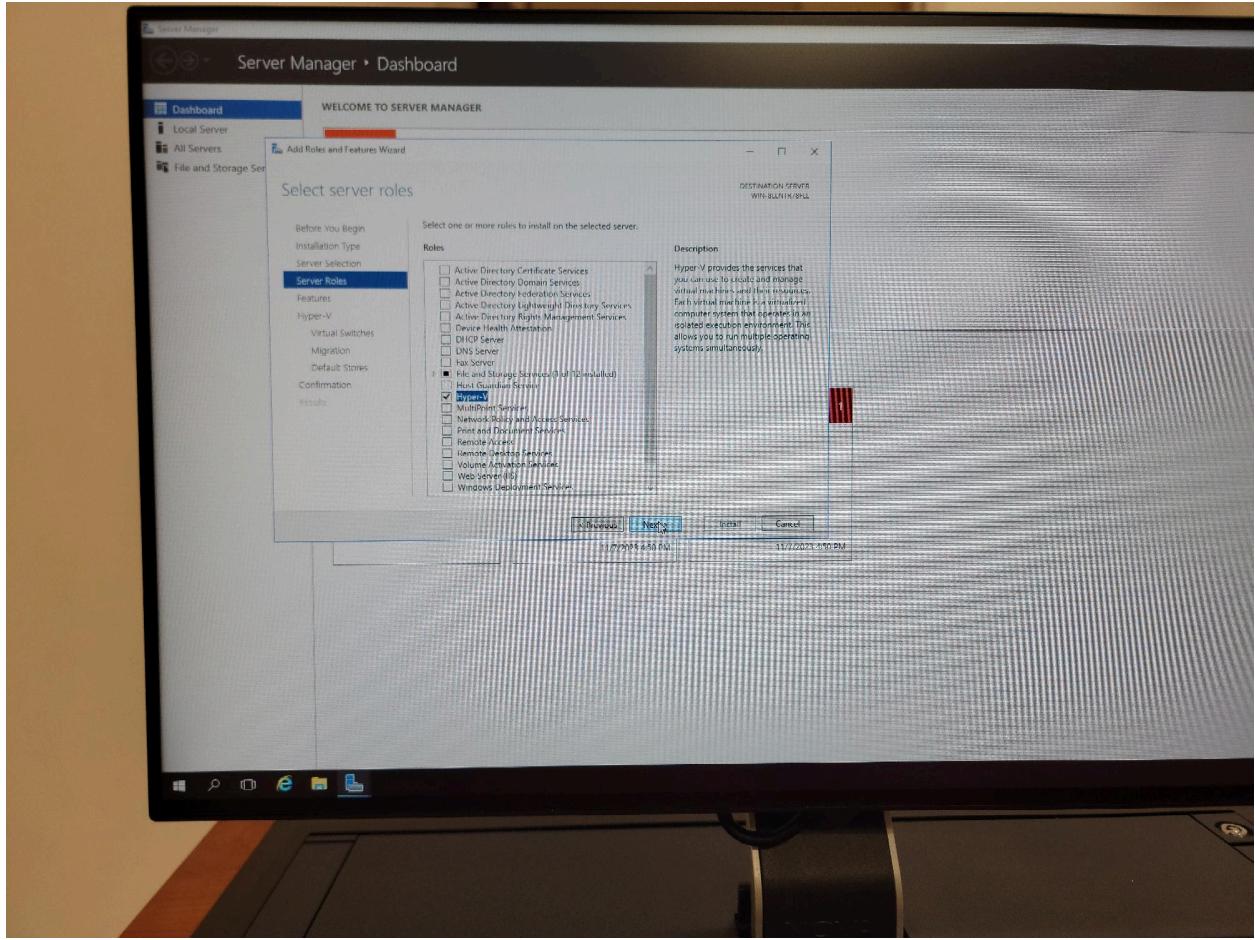


31. Click windows server 2016, and create your administrator pin to login in to windows servers 2016.

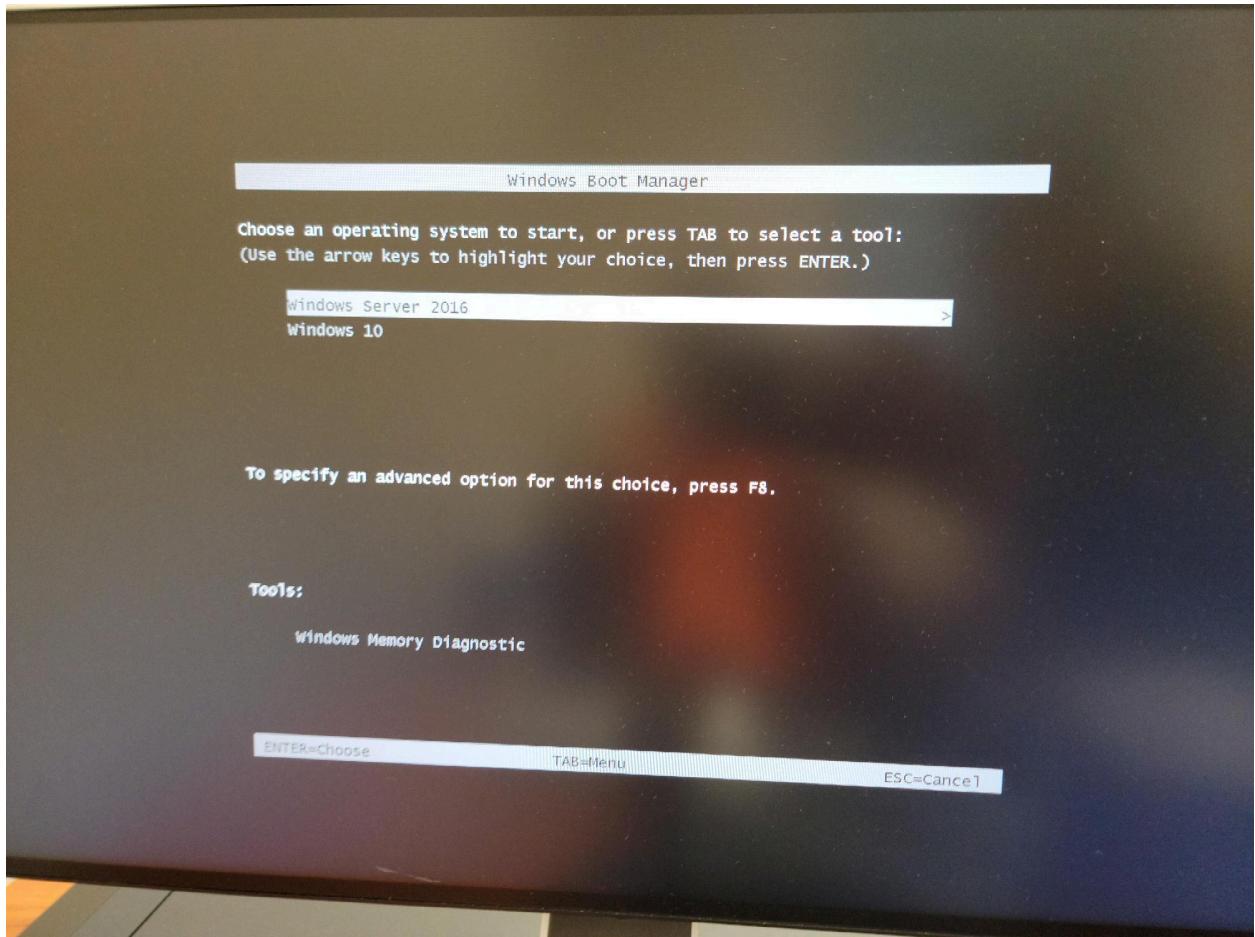


32. Login in to windows server 2016 and it will take you to the server manager.
33. Click add roles and feature wizard → complete before you begin and installation type → click server role → click hyper-V, files and storage services (1 of 12 installed) → click next.
34. Complete the Hyper-V requirements → click next to result and it will show you the process of installing Hyper-V → after complete installation click close.

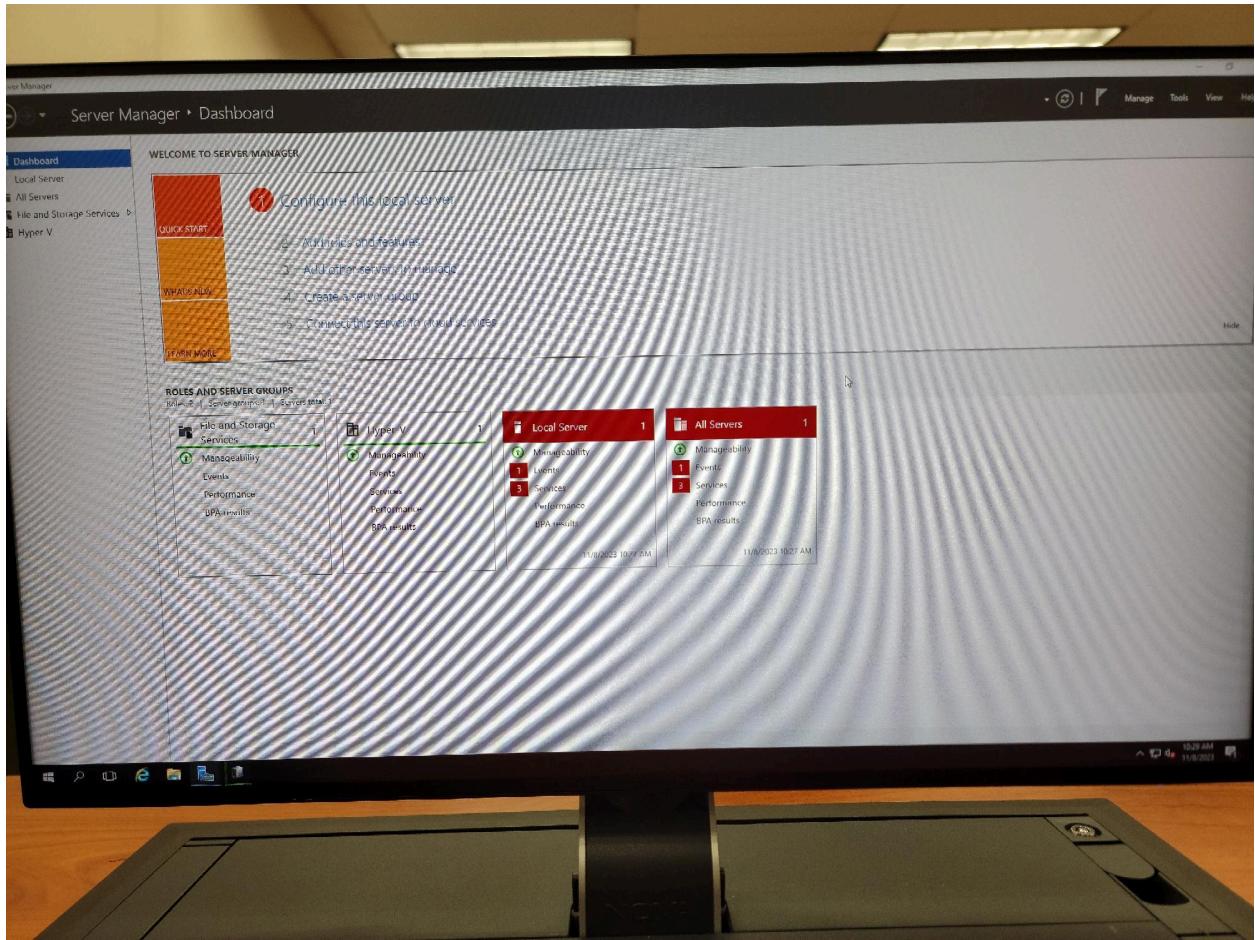




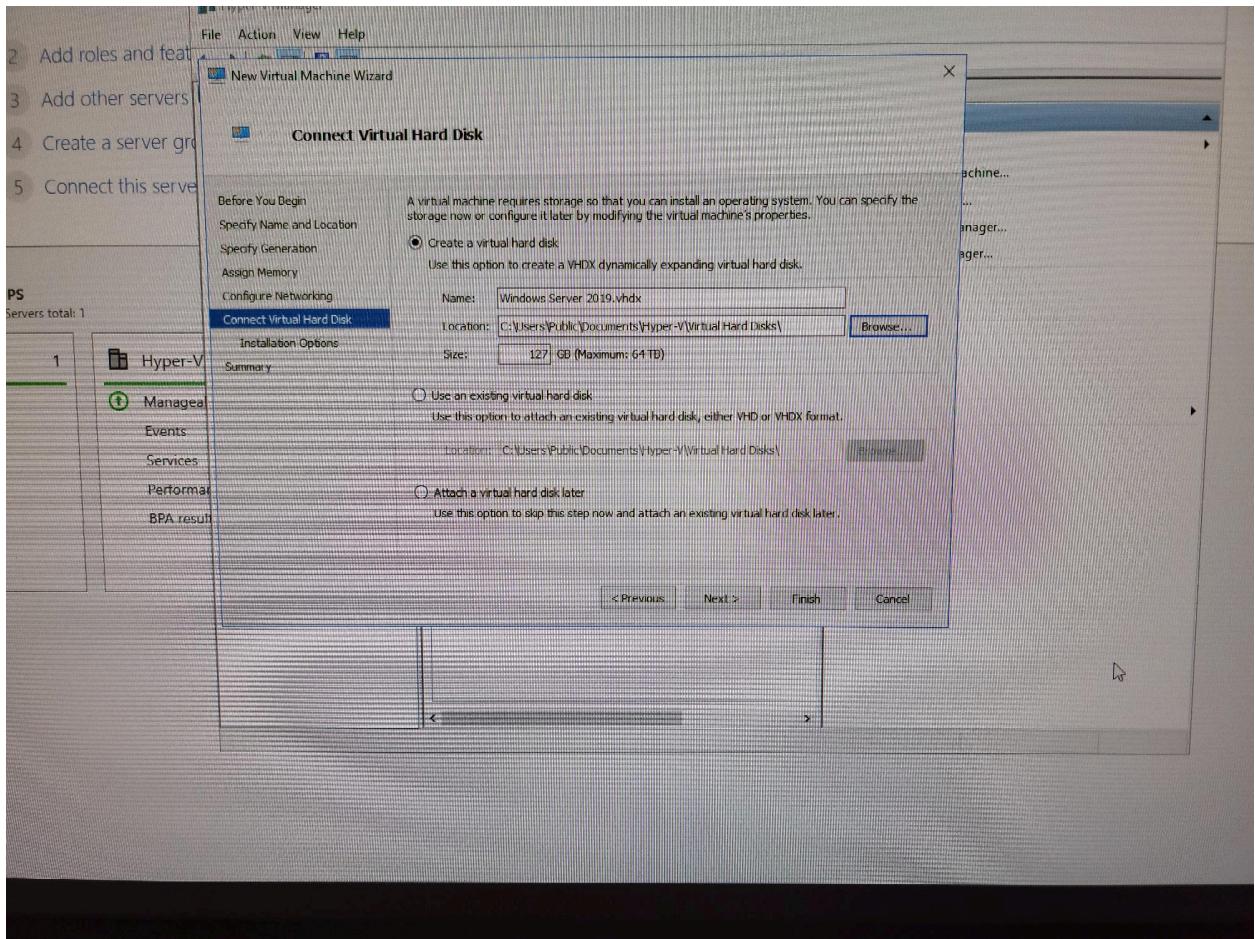
35. It will restart the PC and it will take you to the dual boot options → click windows servers 2016 and login in.



36. Go back to server manager and you will see you install your Hyper-V.



37. Go to hyper-V manager → click new virtual machine wizard —> complete the process and when you reach “Connects Virtual Hard Disk” make sure you have the requirements in the screenshot.



38. Go to microsoft to install windows servers 2019 in iso file.