

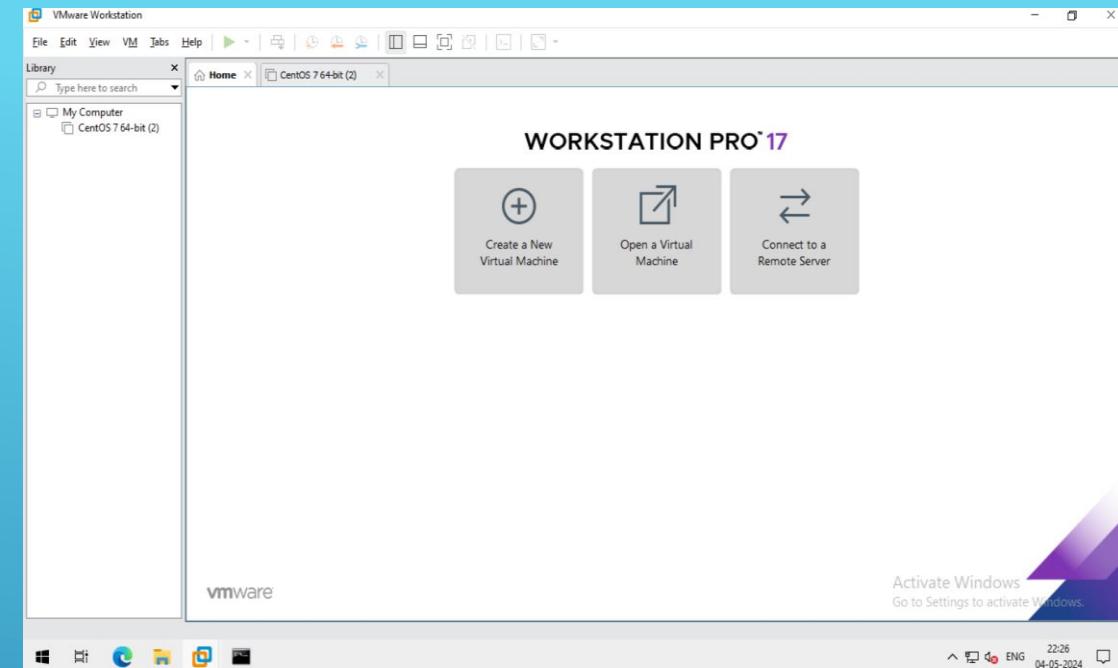
WIPRO NGA Program – Datacenter Batch 5

Capstone Project Presentation – 06 April 2024

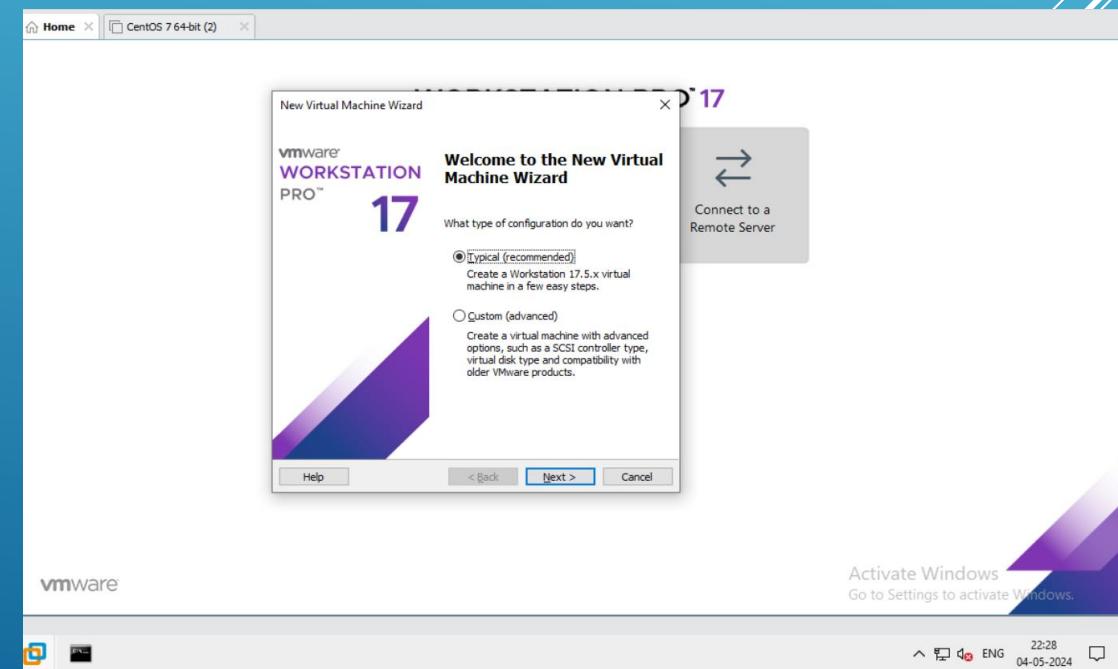
Project Title Here – Installation of 2016 server and active directory environment

Presented by – Kishor Chandra sahoo

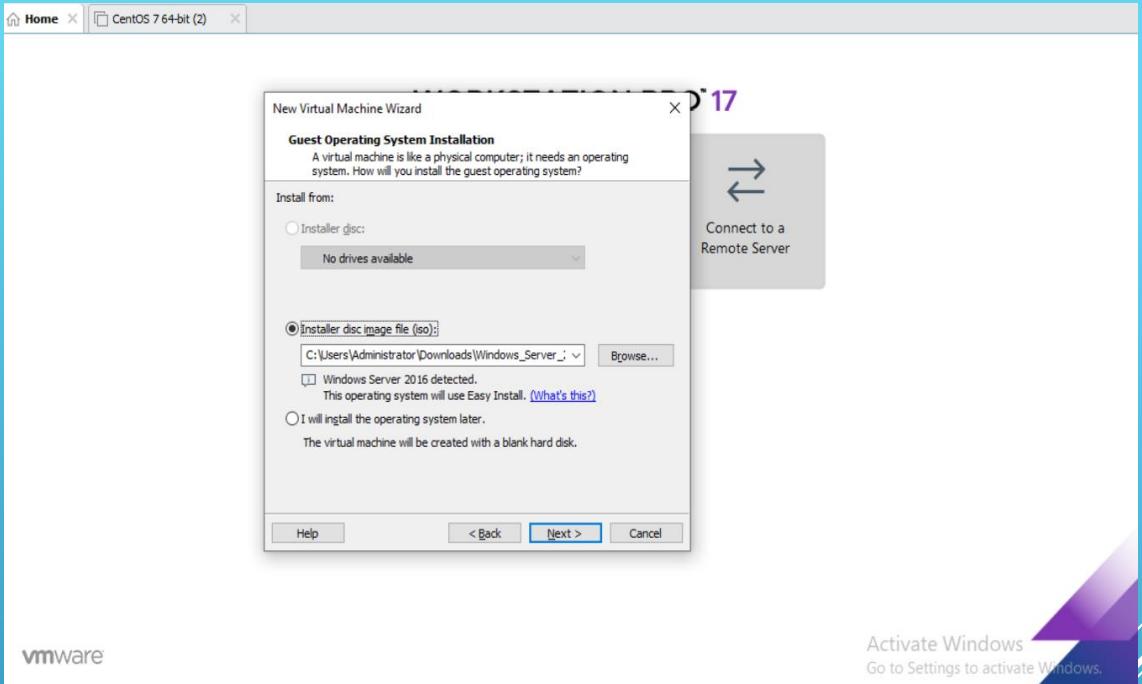
- ❑ For Installing window 2016 server first we need to open vmware workstation.



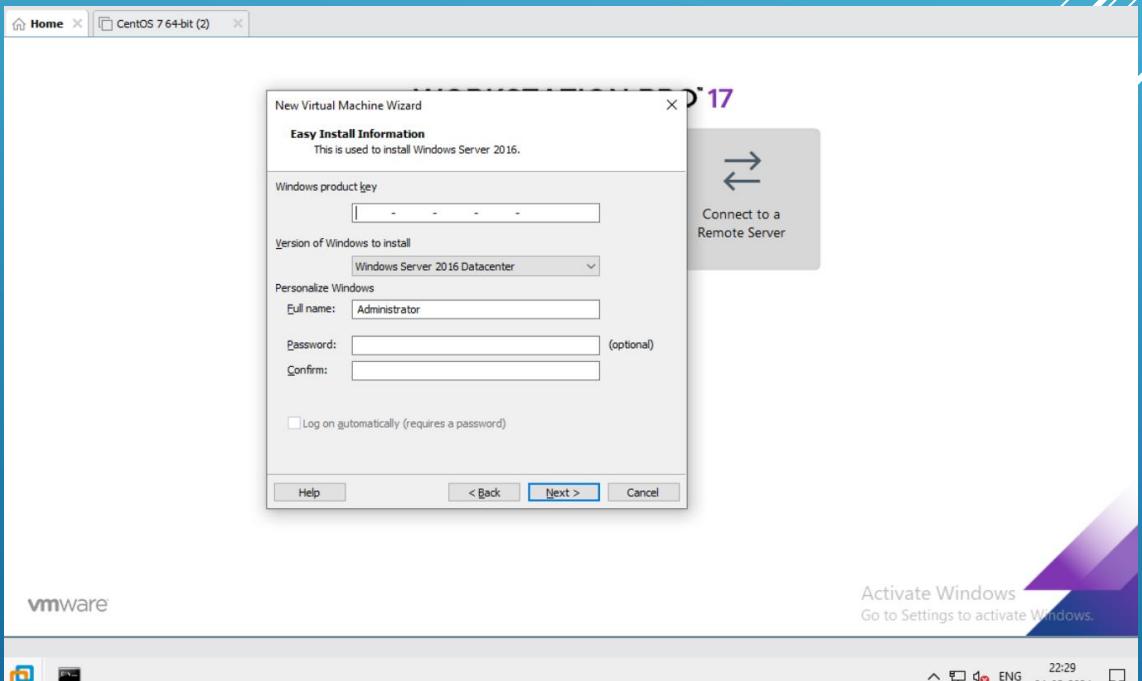
- ❑ Then go to create a new virtual machine.
- ❑ Then new virtual machine wizard will be open then choose typical



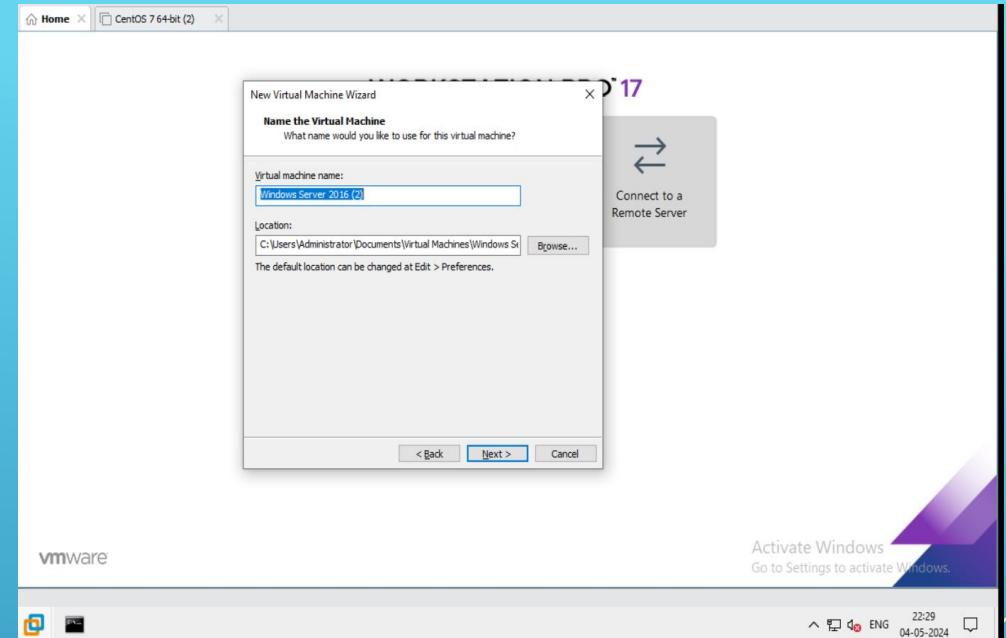
- ❑ After that browse window server 2016 from downloaded software.
- ❑ Then click next.



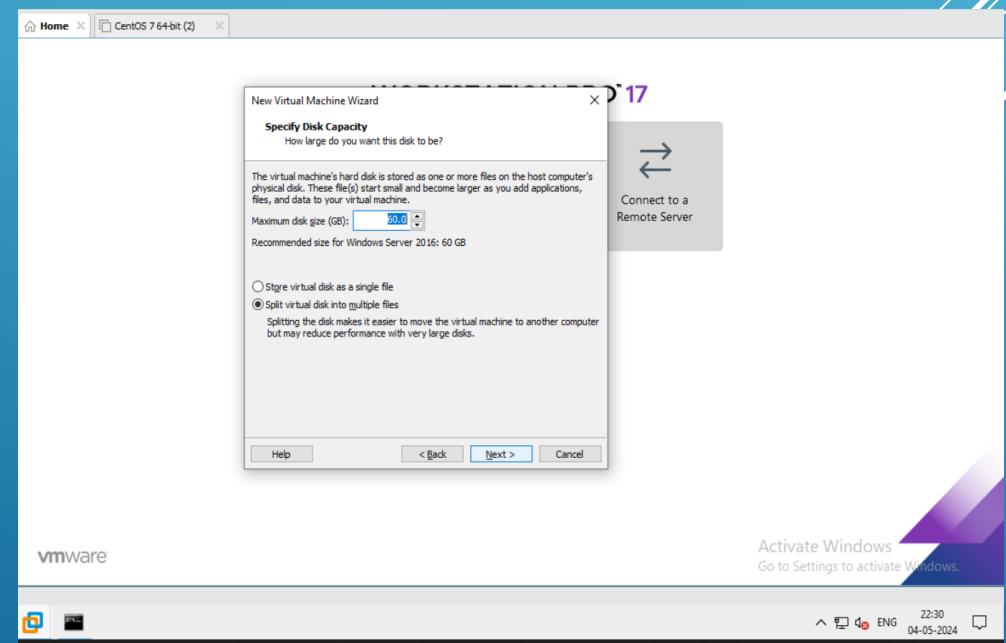
- ❑ Then click next to move forward.



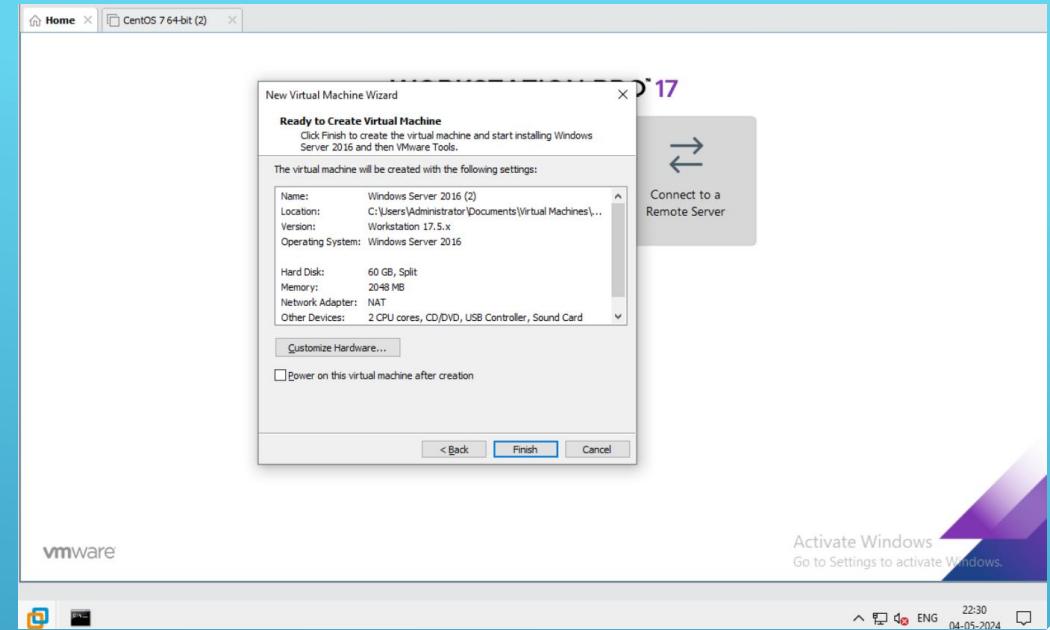
- Then give the name to the new virtual machine.
- Click next.



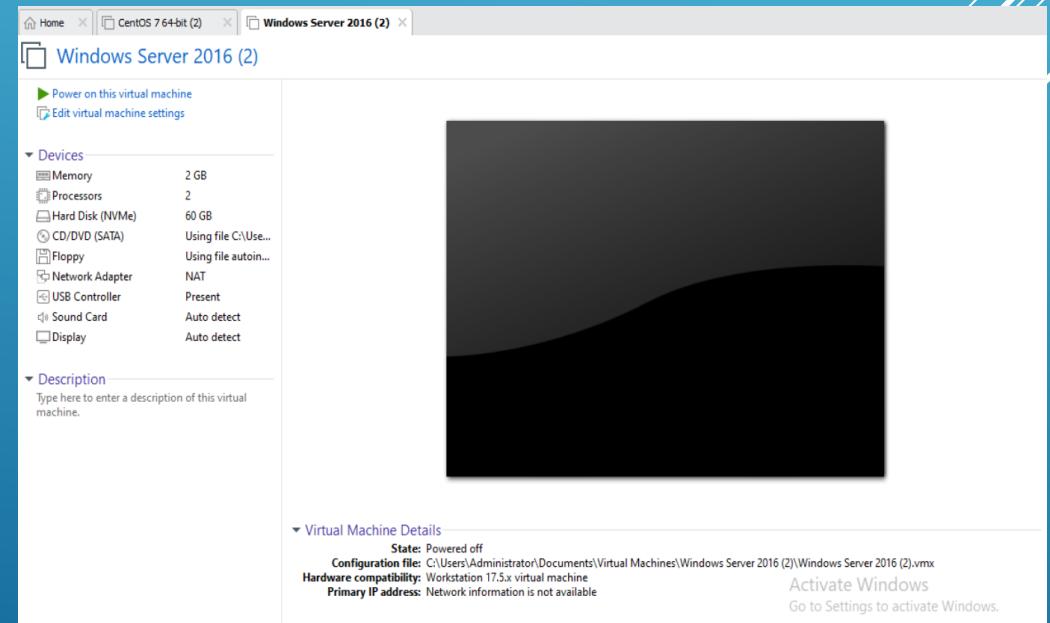
- Now ,specify the disk capacity by give the value in GB.



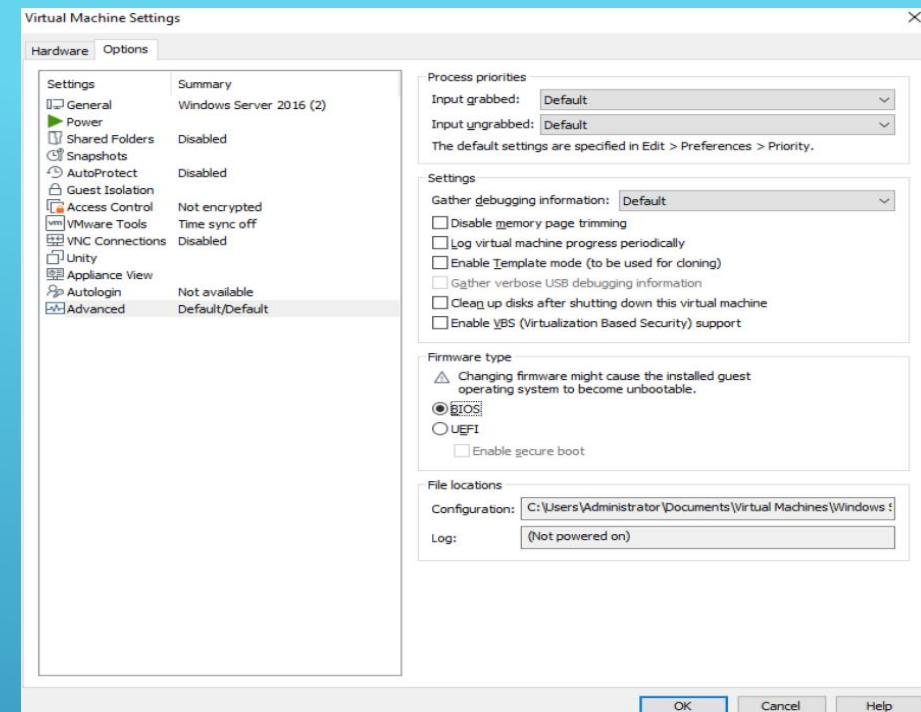
- ❑ Virtual machine now ready to create.
- ❑ Click on finish.



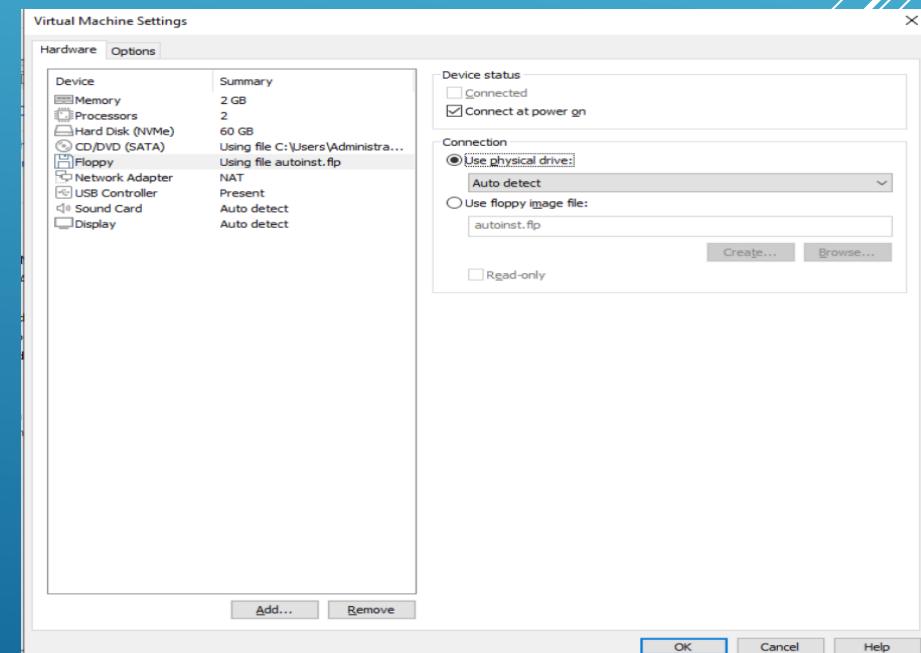
- ❑ This is the first page of our window 2016 server.



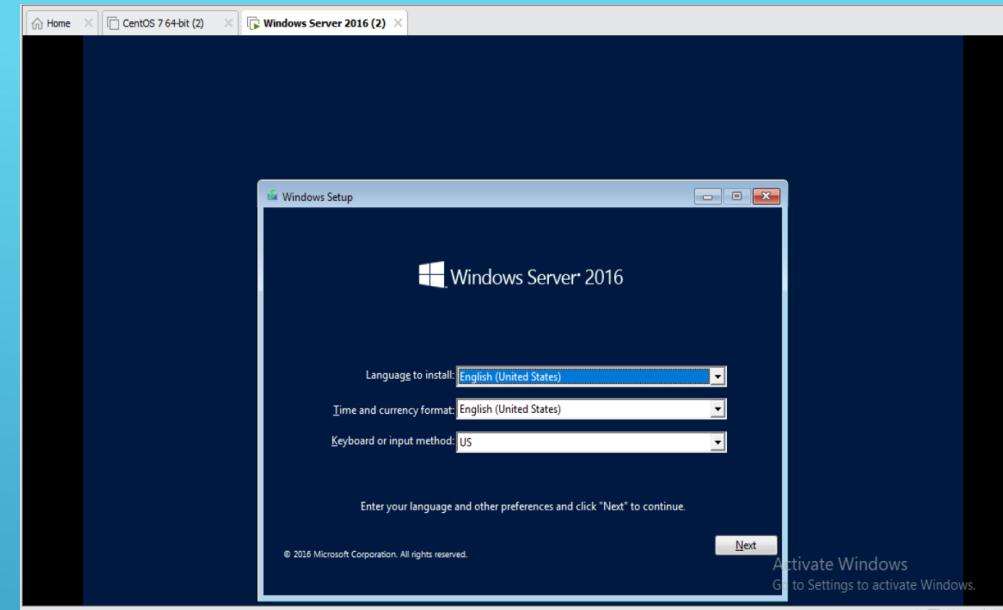
- Now edit the virtual machine setting.
- Click on option then go to advance And click on BIOS.
- Now click on ok.



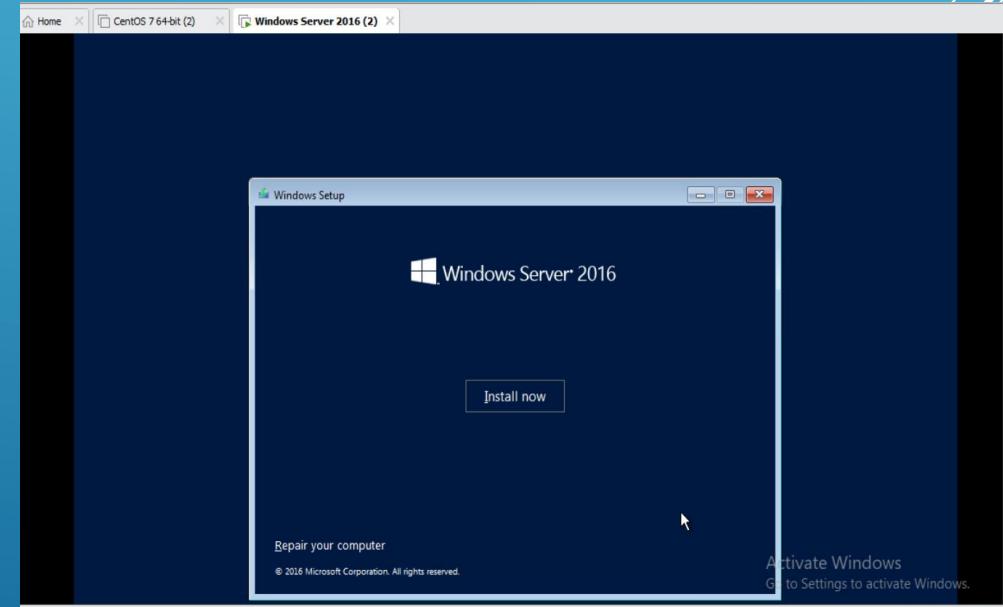
- Then go to floppy and click on use physical drive.
- Then click on ok.



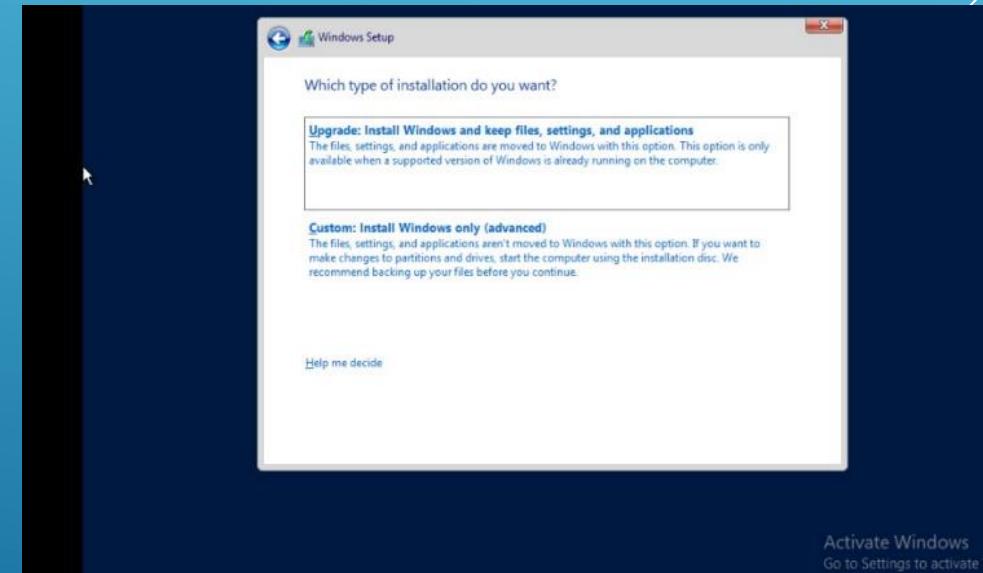
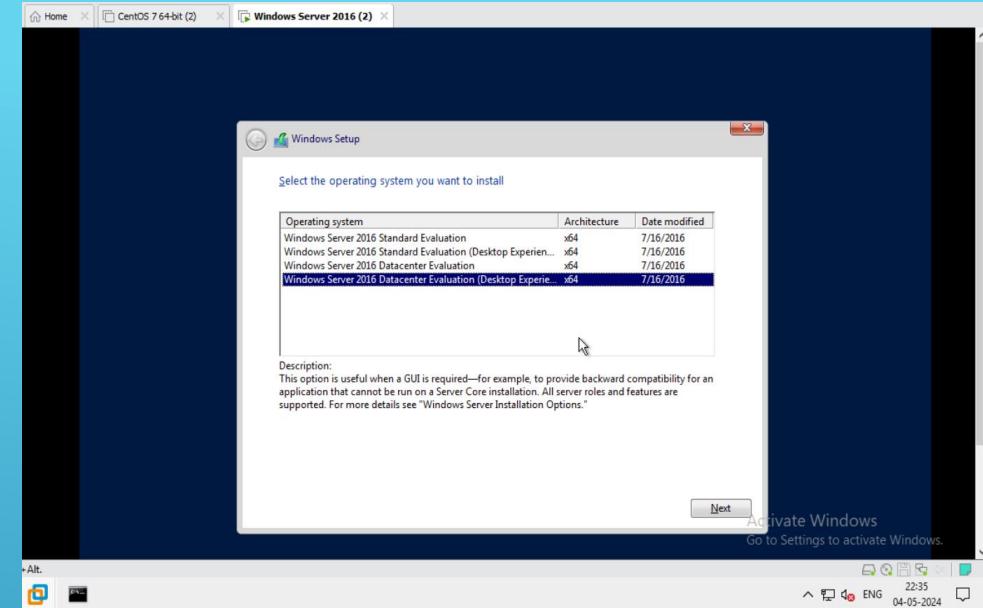
- Then open to start the virtual machine.
- This is the first interface after starting virtual machine .



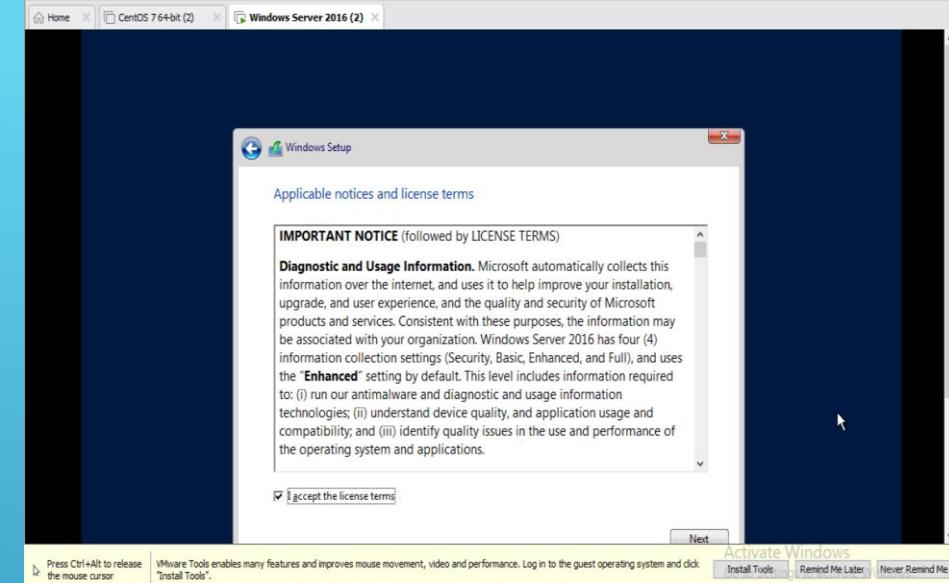
- Then click on install now.



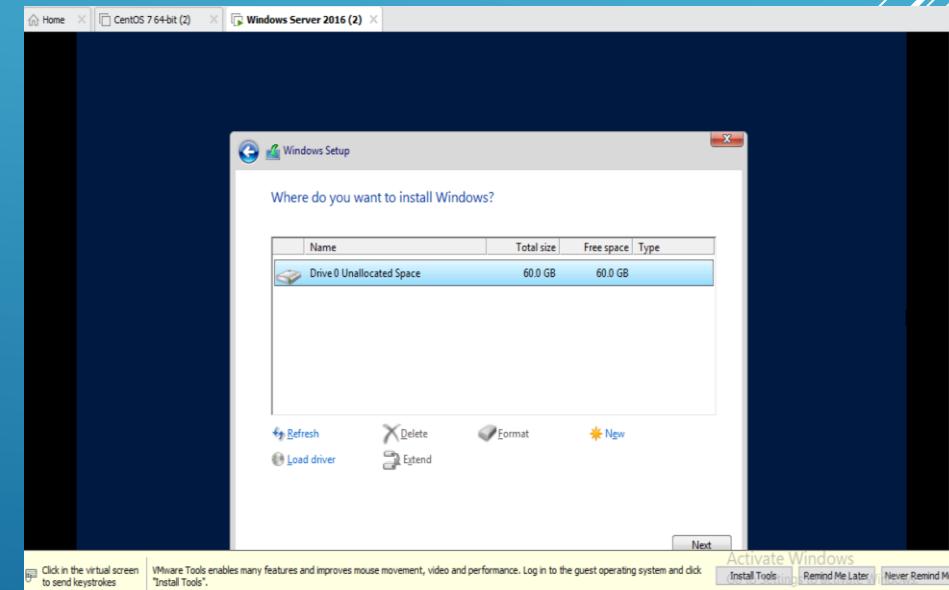
- After installation then setup the window and choose 4th one window server 2016 datacenter evolution desktop experience.
- Click on next.



- ❑ Then accept the permission.
- ❑ Click on next.



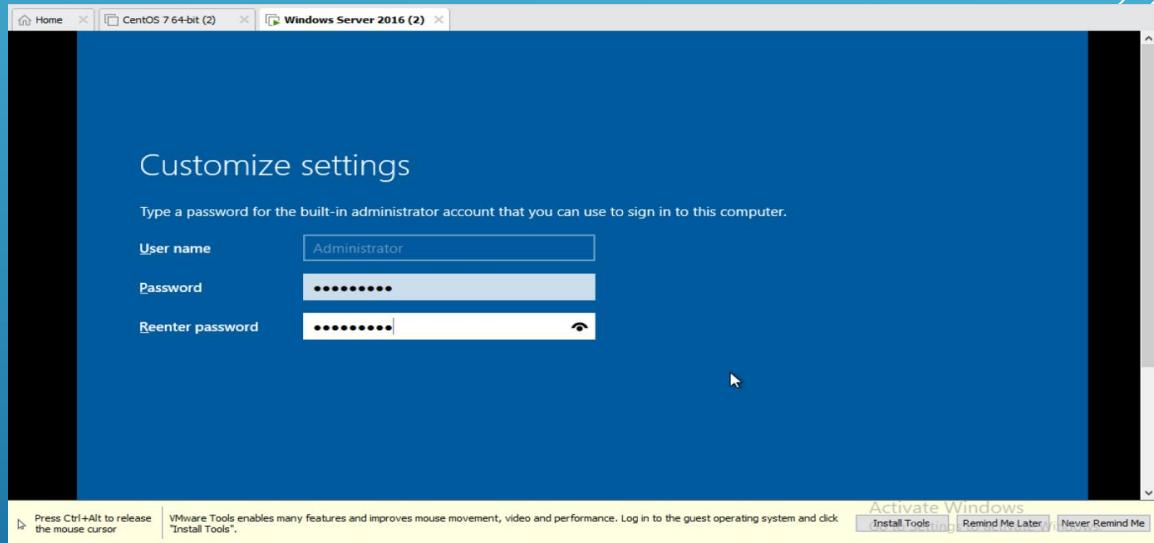
- ❑ Then no need to any change click on next.



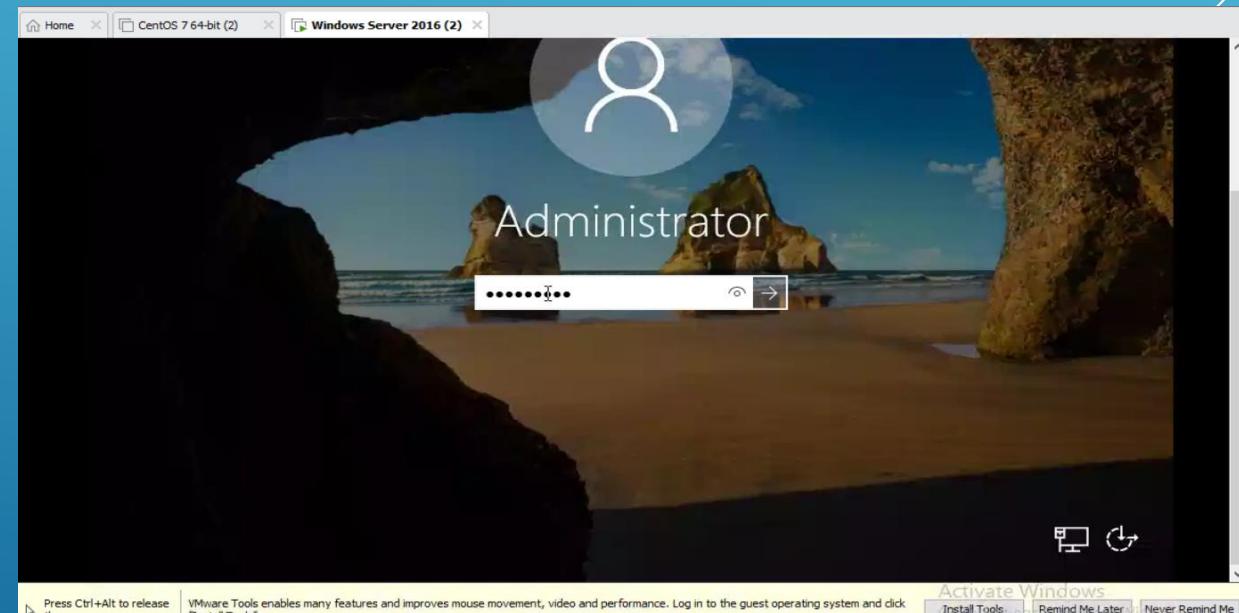
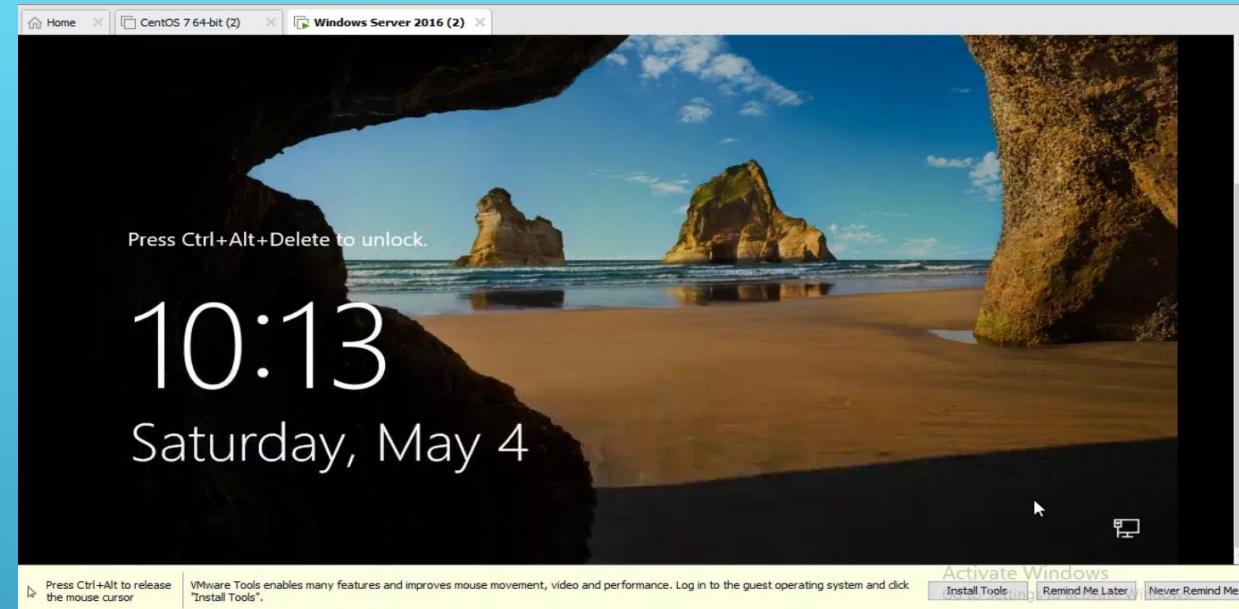
- ❑ Now our window setup installing automatically.
- ❑ After installation we move to next step automatically.



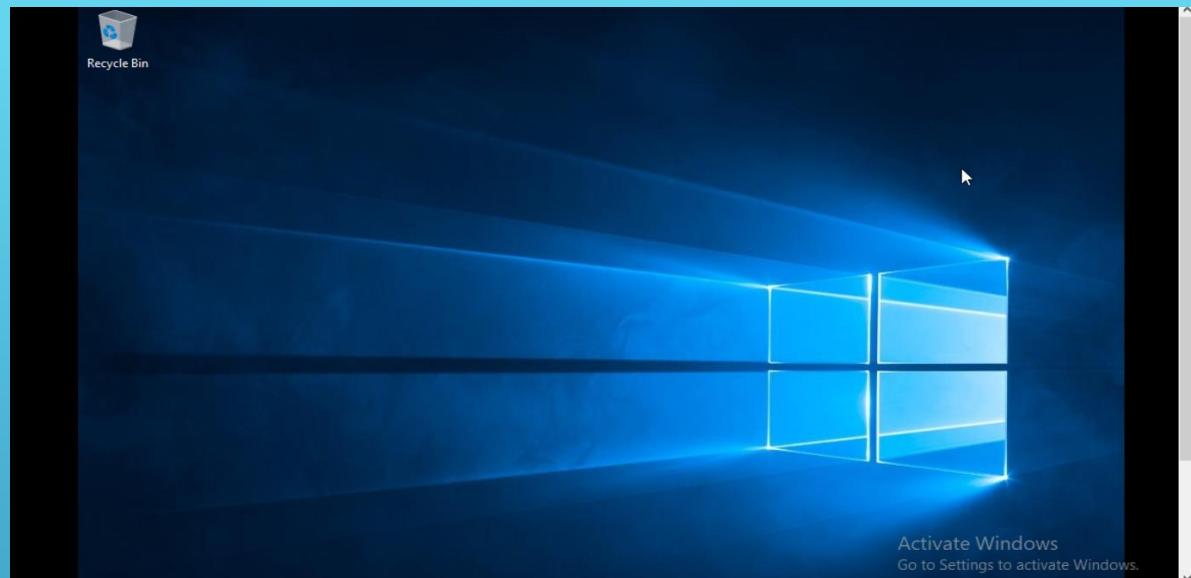
- ❑ Now ,we customize the setting .
- ❑ Give password and re-type password.
- ❑ Then click next.



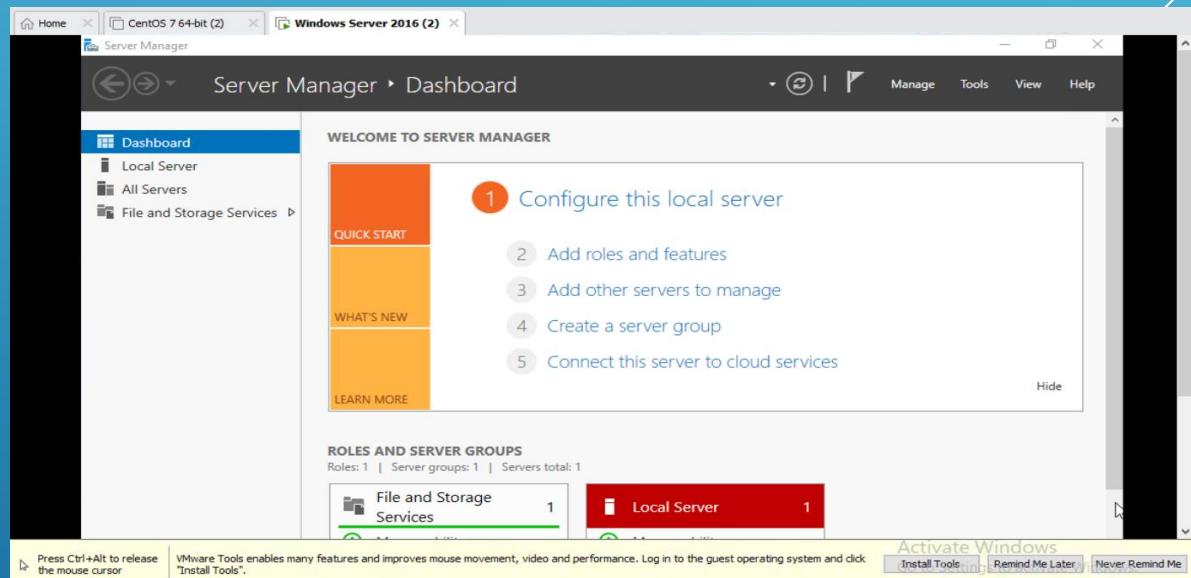
- This is our first look after installation.**
- Now we right click on window server 2016 and then click on cntrl+alt+delete.**
- Now give password to the administrator.**
- Then press enter to open.**



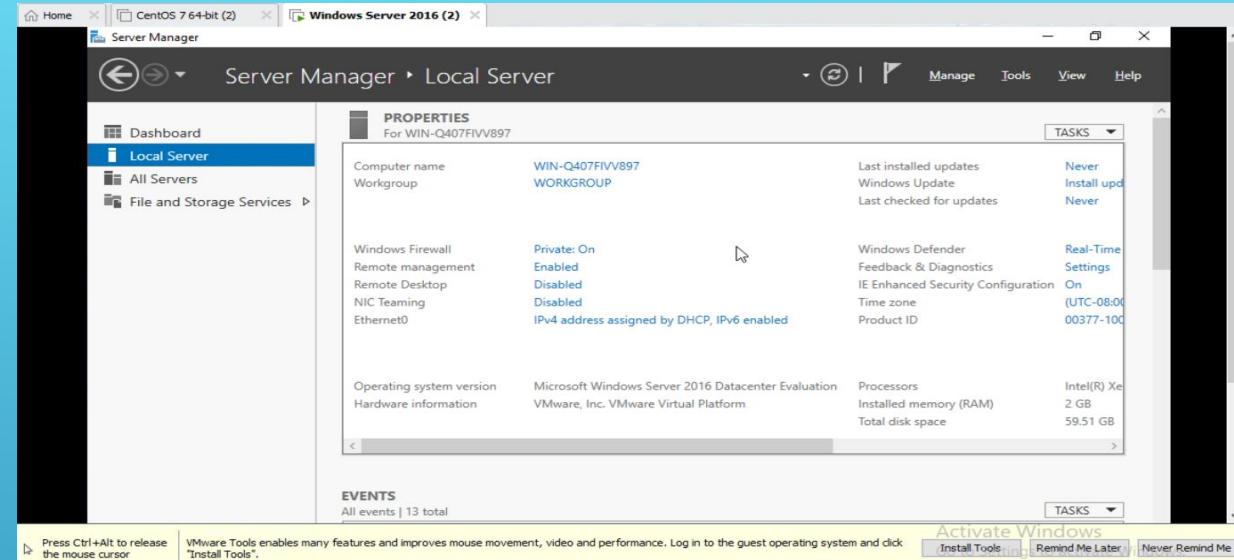
- This is our first screen look after installing window 2016 server.



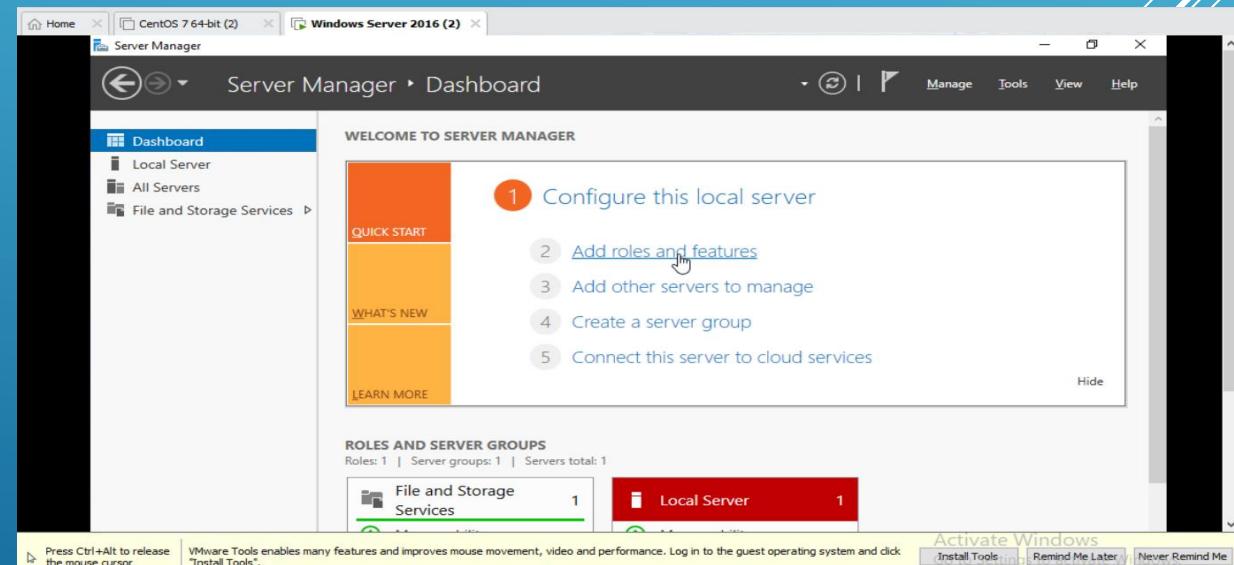
- Then open server manager .
- This is our first look.



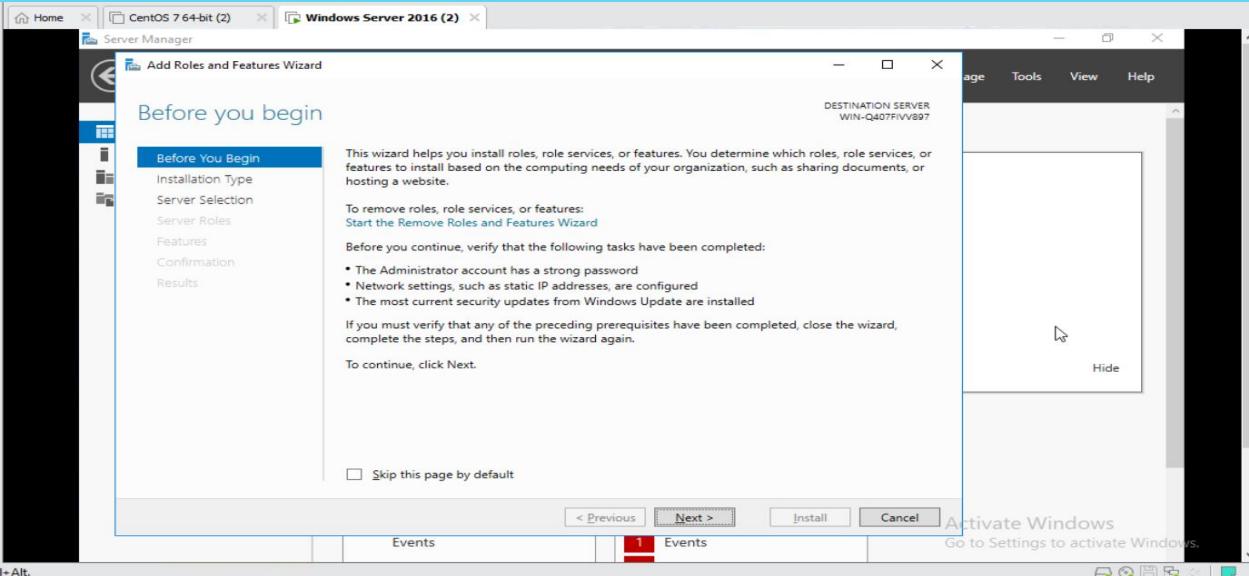
- Then click on local server for more information about the server.



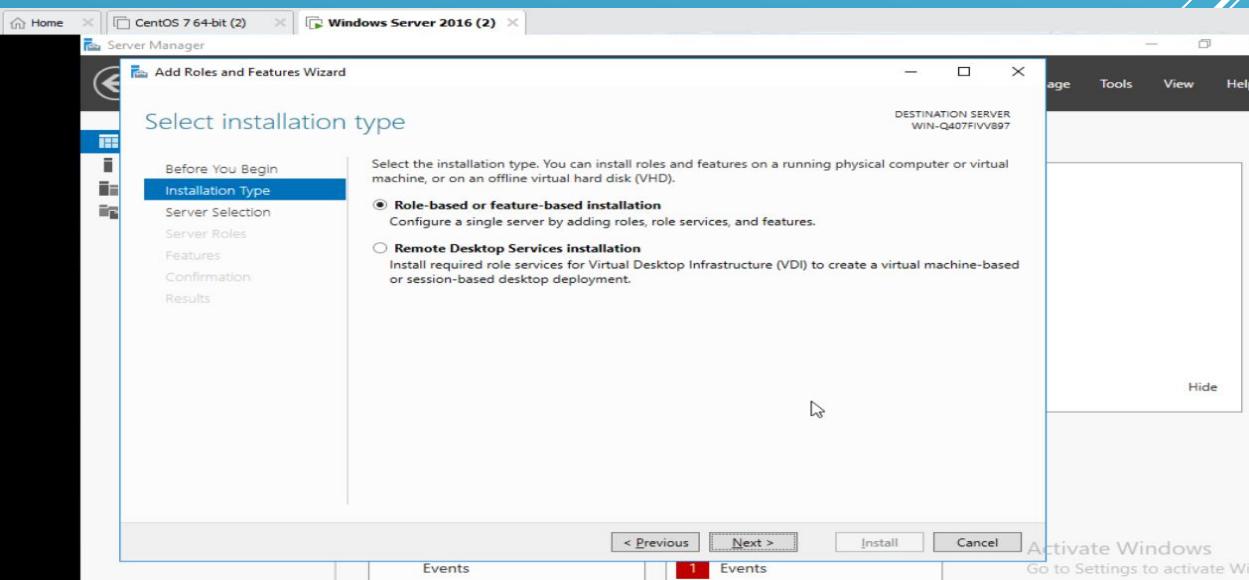
- Then go to dashboard and click on add role and features.



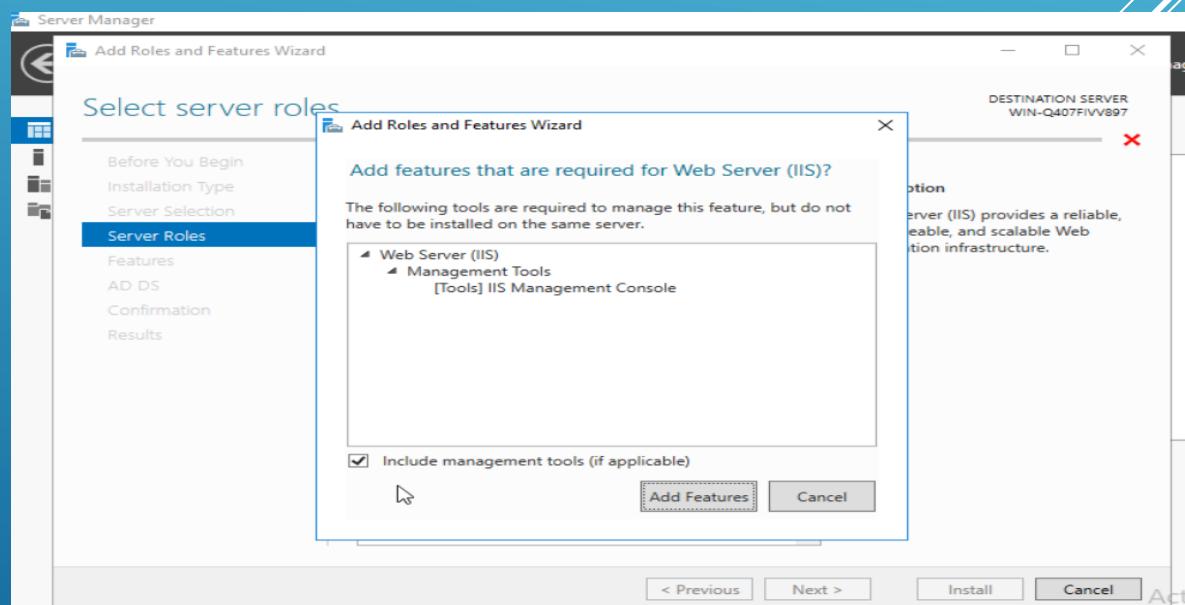
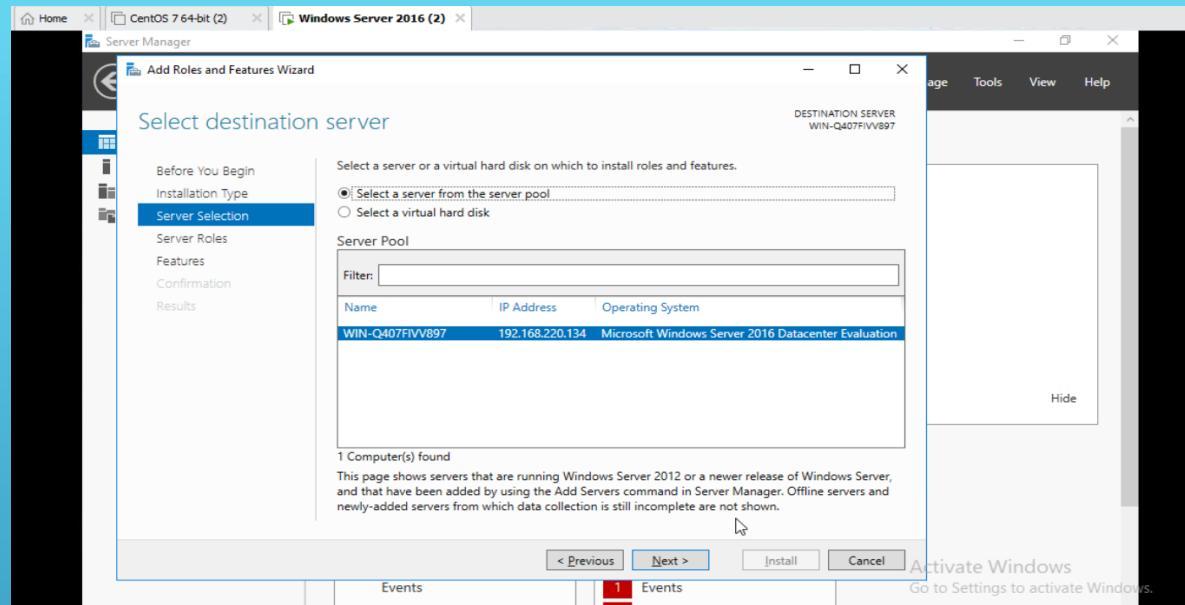
- This is the first step of installing ADDS and IIS.
- Click on next.



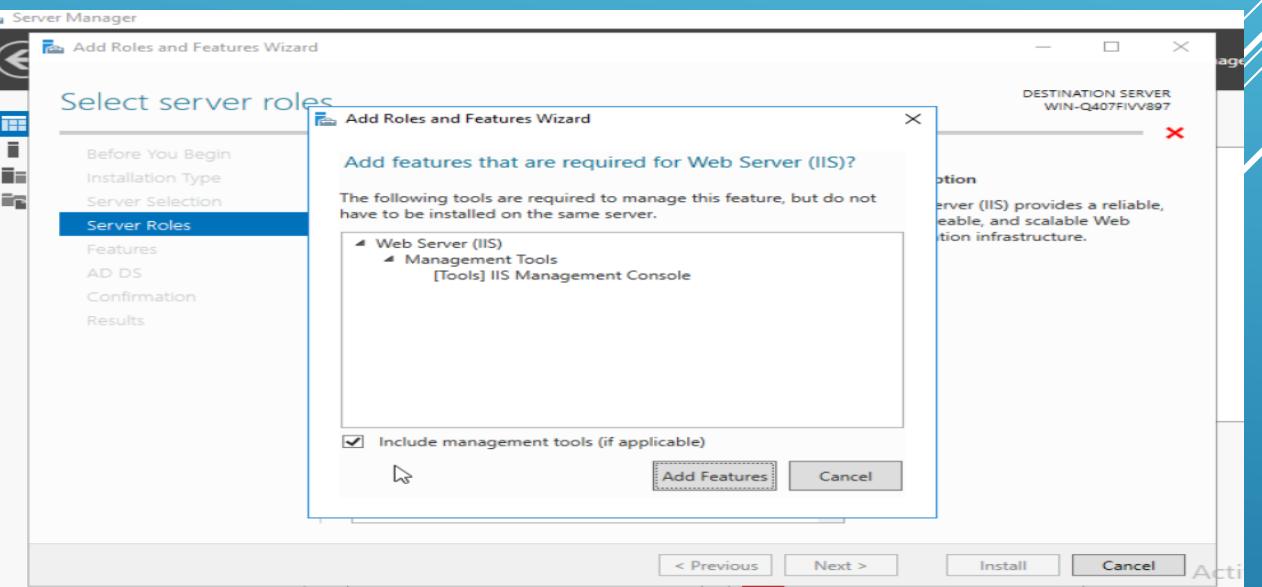
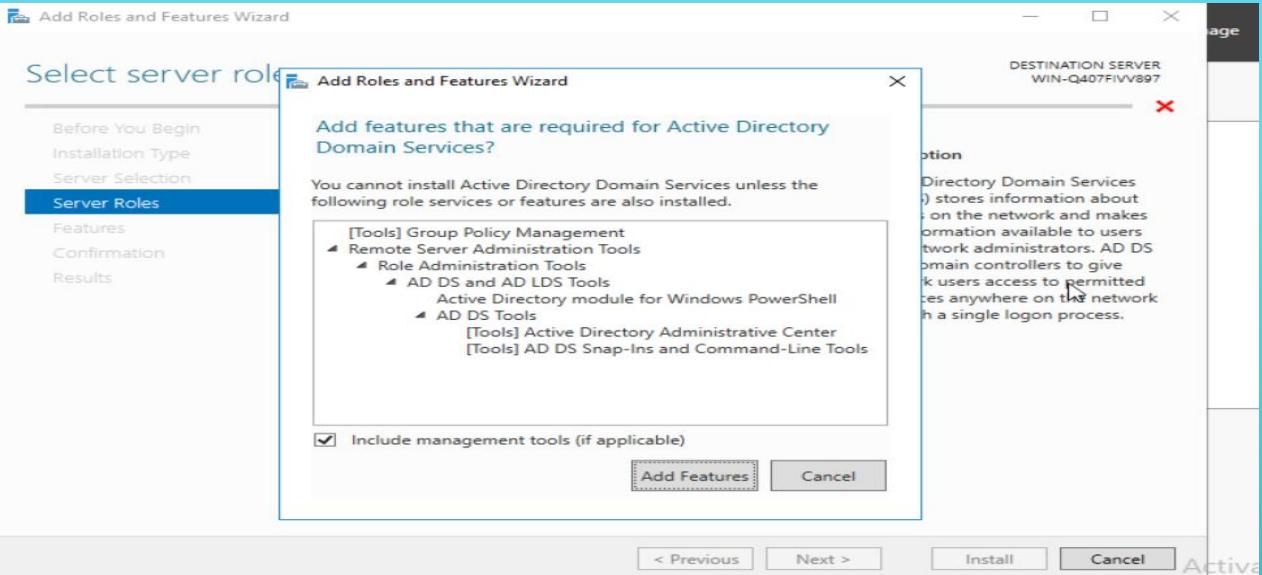
- For installation type choose role based installation.
- Click on next.



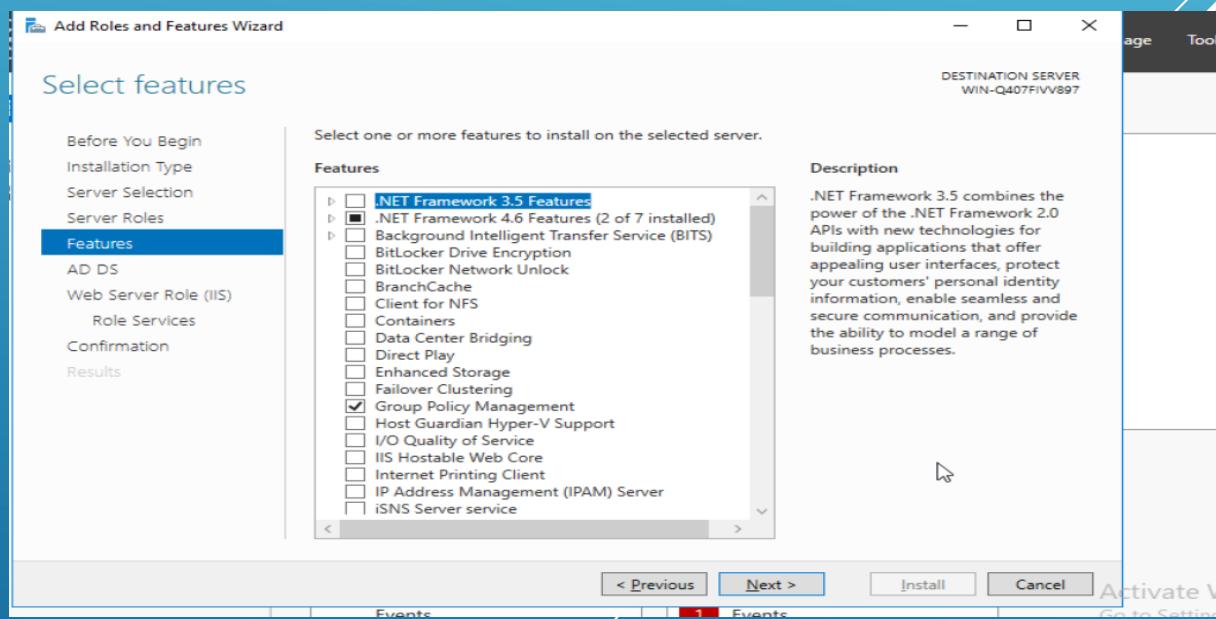
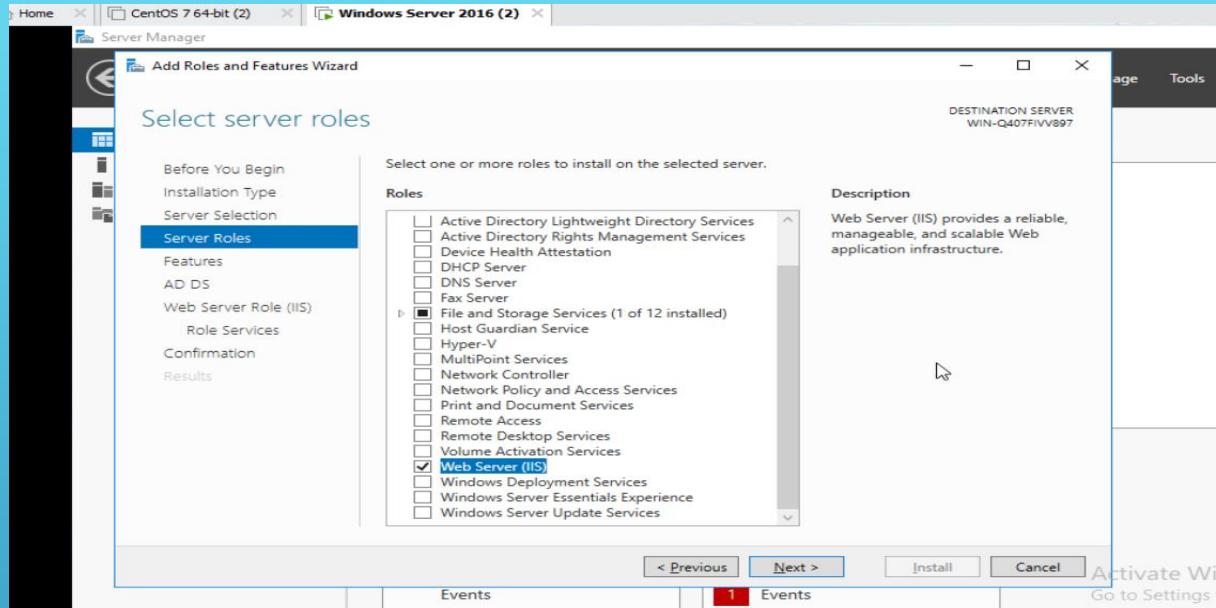
- Then select destination server and click on next.
- After that click on active directory domain server box ,just check the box.
- After that add features.



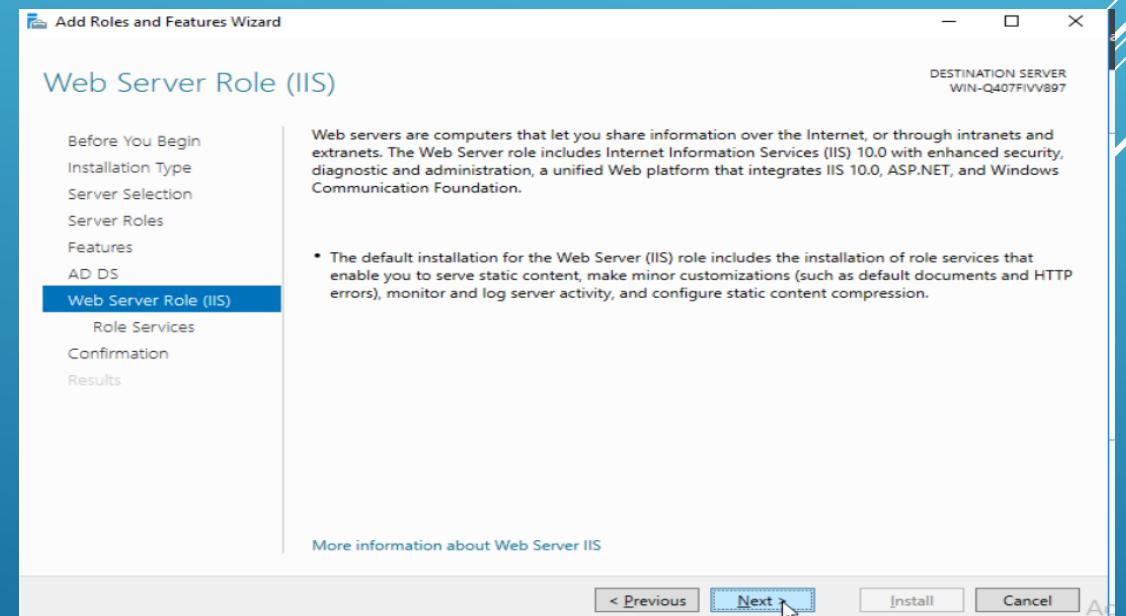
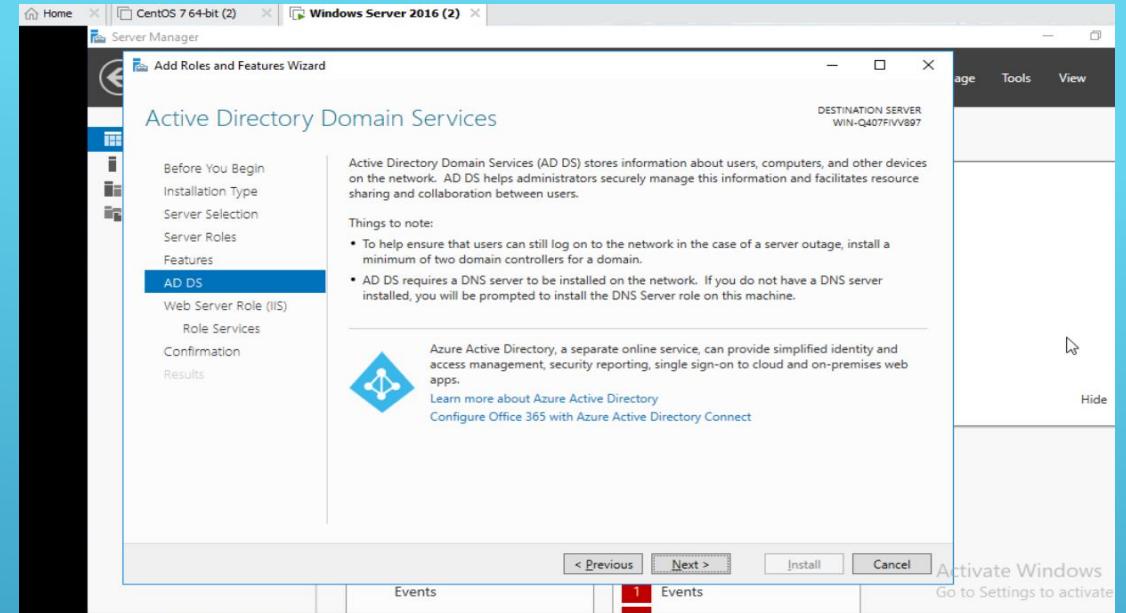
- Here only add active directory domain server features and go to next step for installing ADDS&IIS.



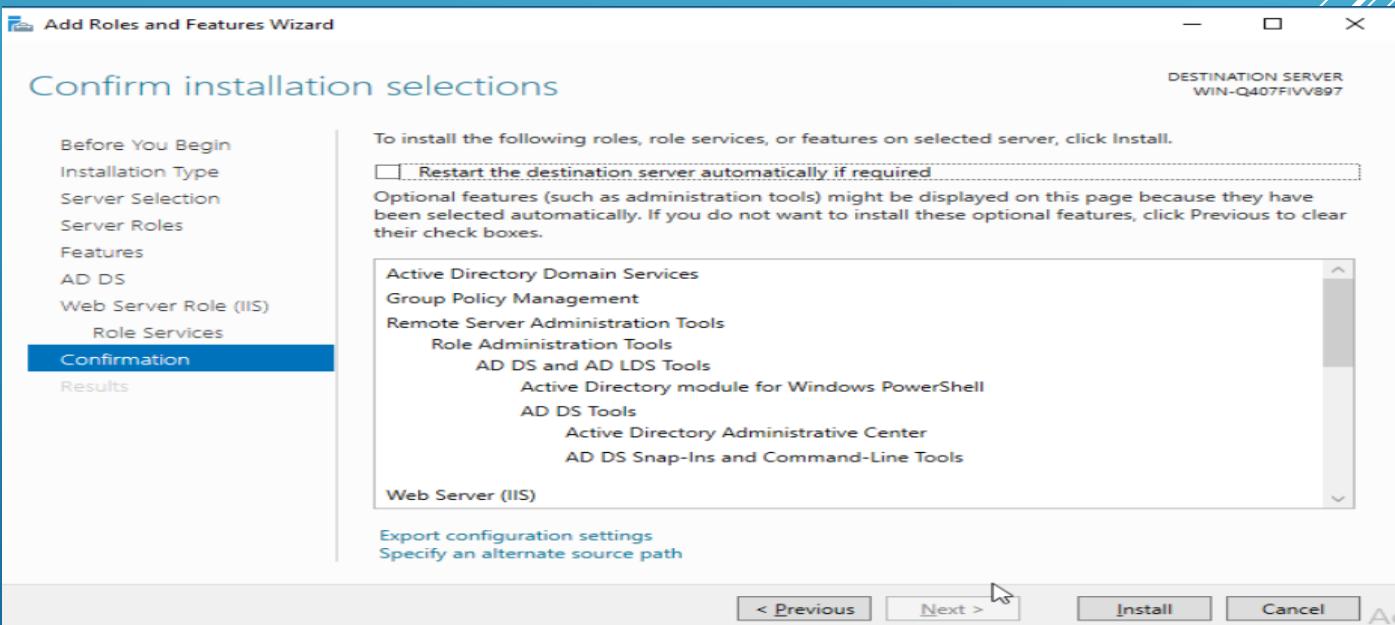
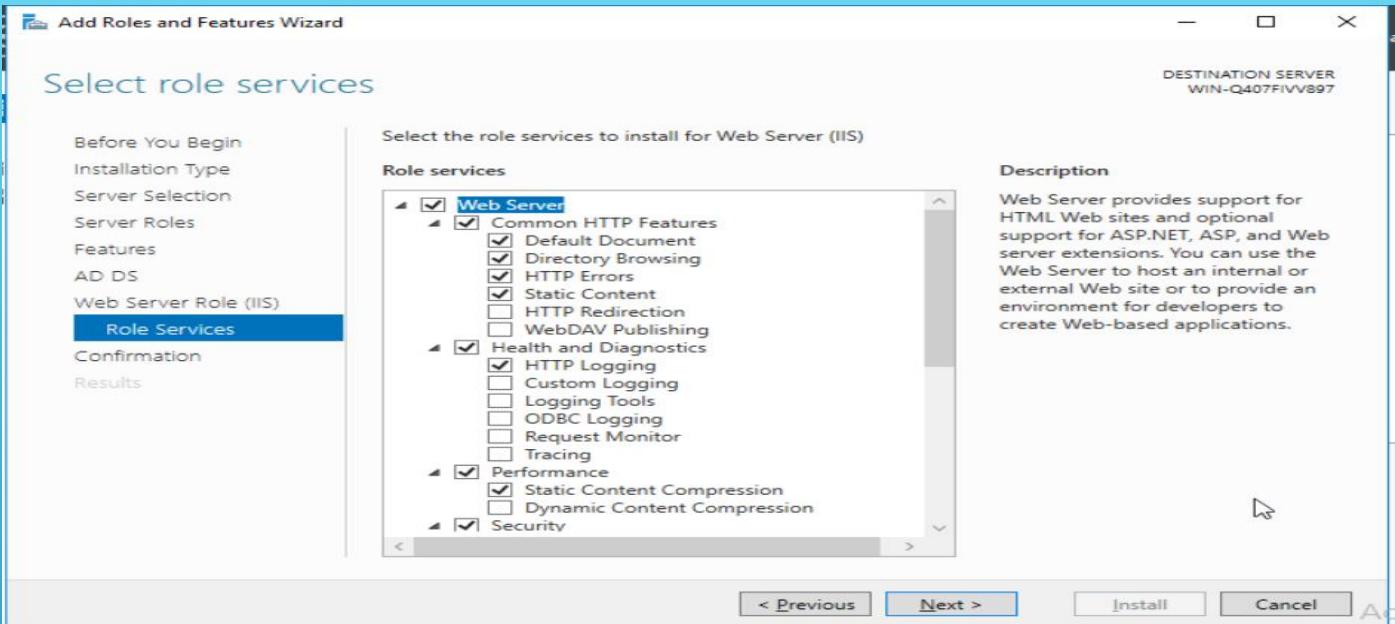
- Then check the box web server IIS.
- Then check group policy management.
- Then click on next.



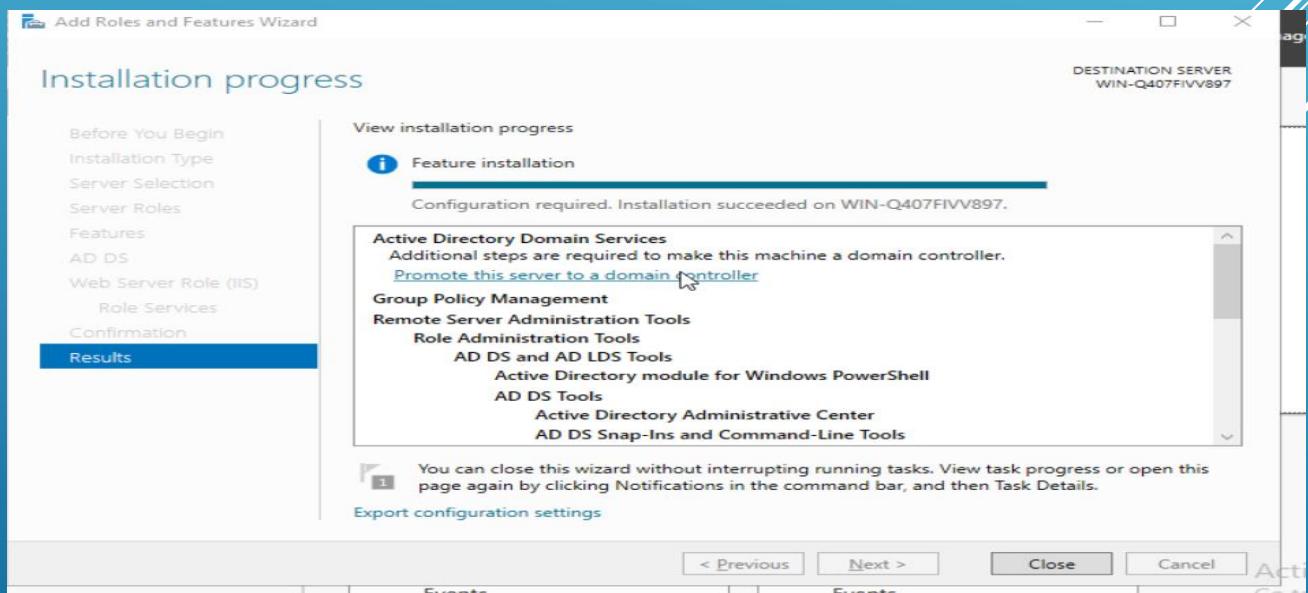
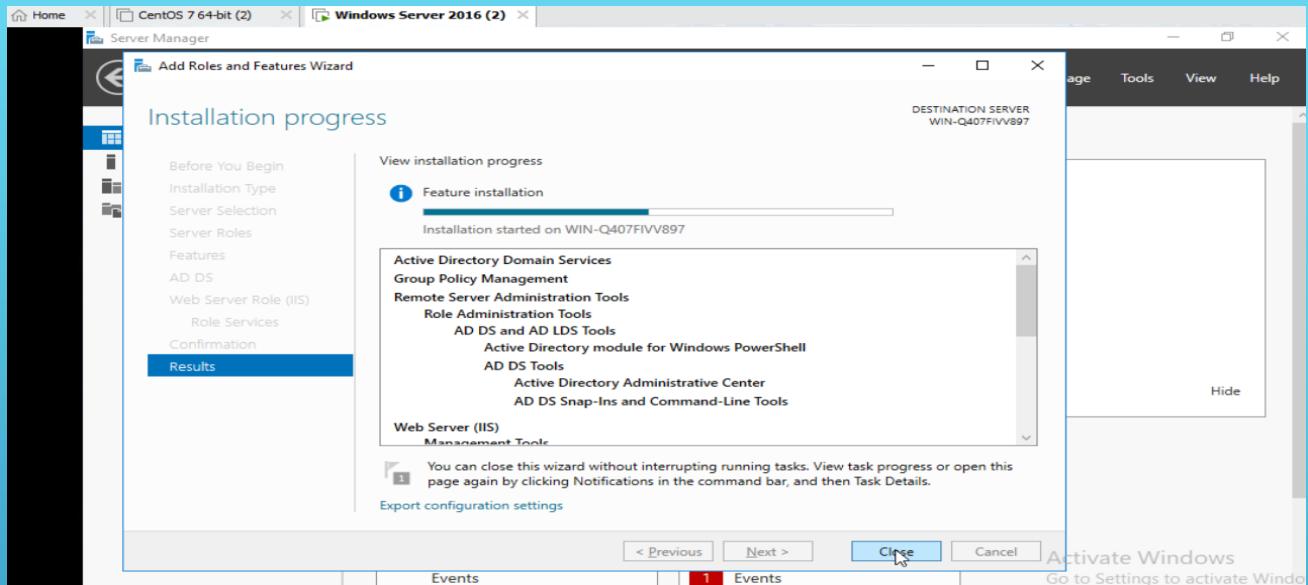
- In adds stores information about computer , user and other devices.
- Then click on next.
- Then move to IIS click on next.



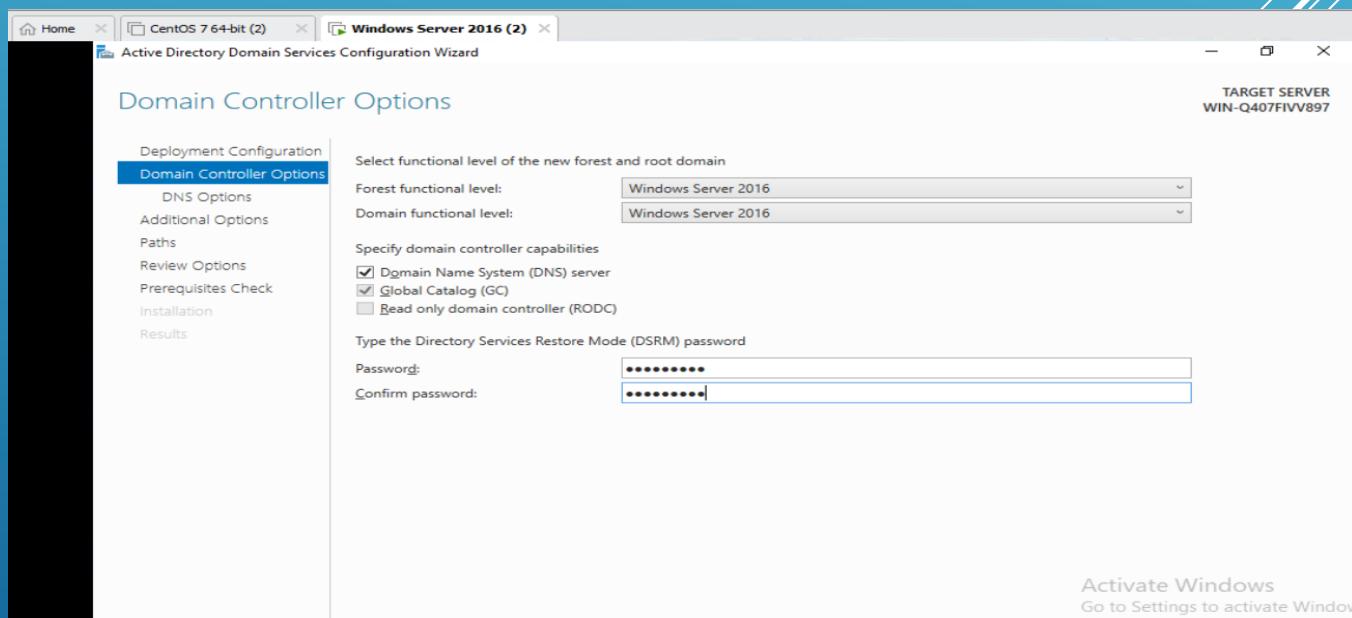
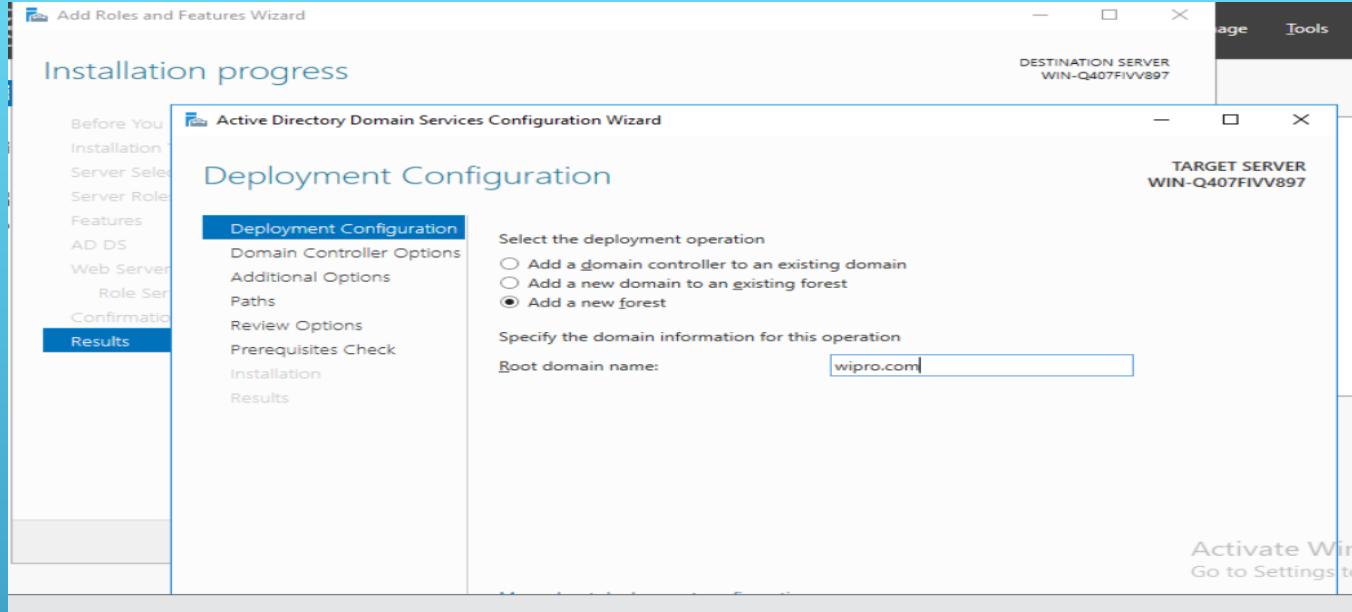
- ❑ Then select role and service .
- ❑ And check the required box and check them.
- ❑ Click on next.
- ❑ Then confirm installation selection
- .
- ❑ Then click on next.



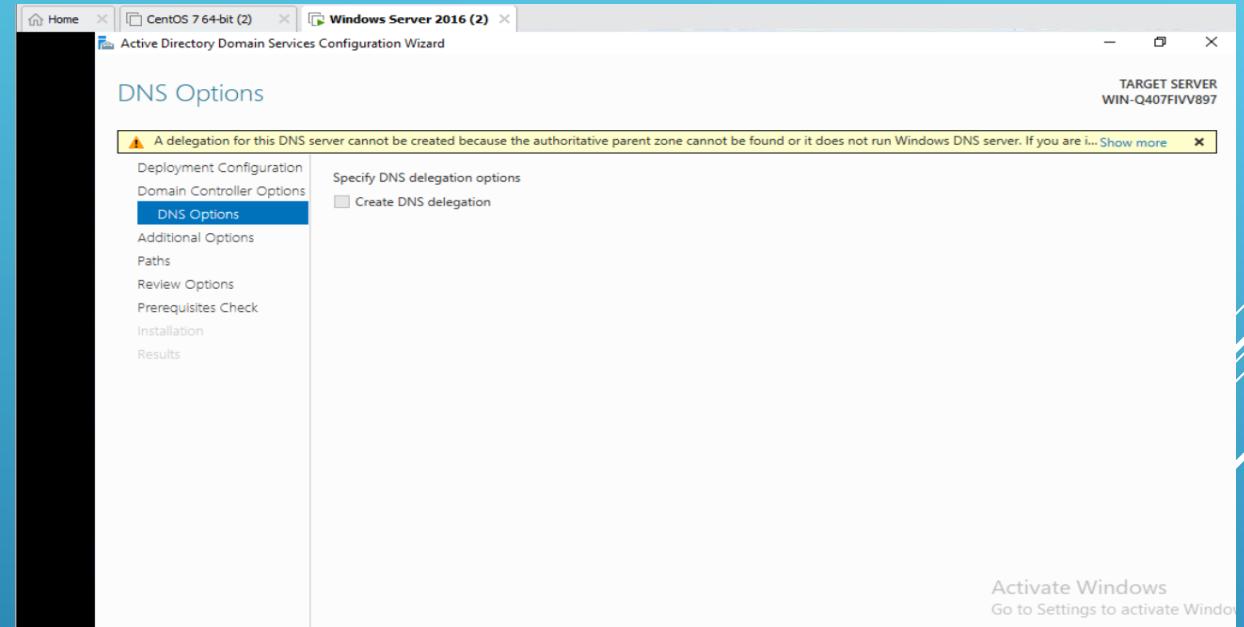
- Then Installation process start.
- It take time then after installation.
- Click on close.



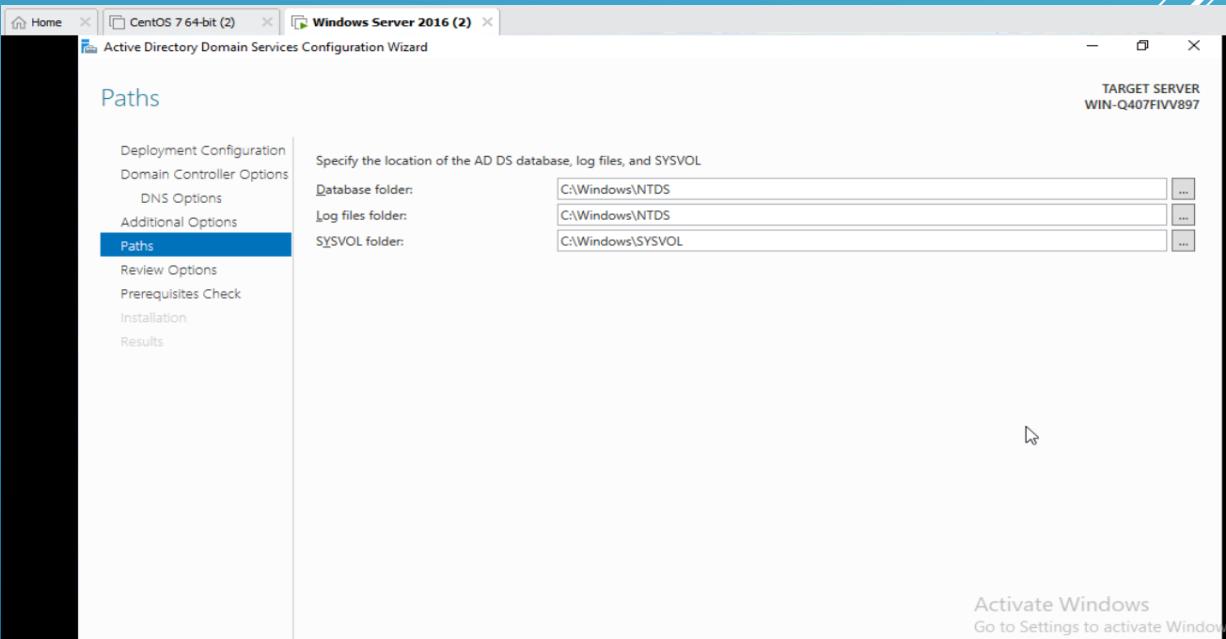
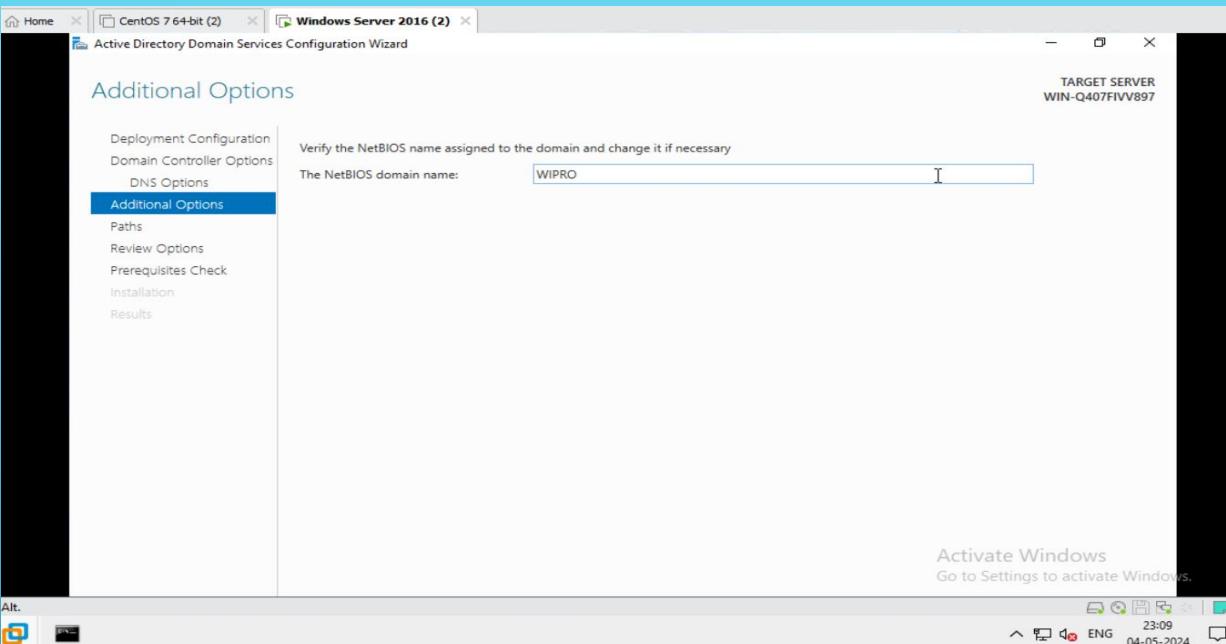
- Then deployment configuration and click on add a new forest.
- Give the root domain name .
- I give wipro.com.
- Then click on next.
- Then domain controller option give password.
- Then click on next.



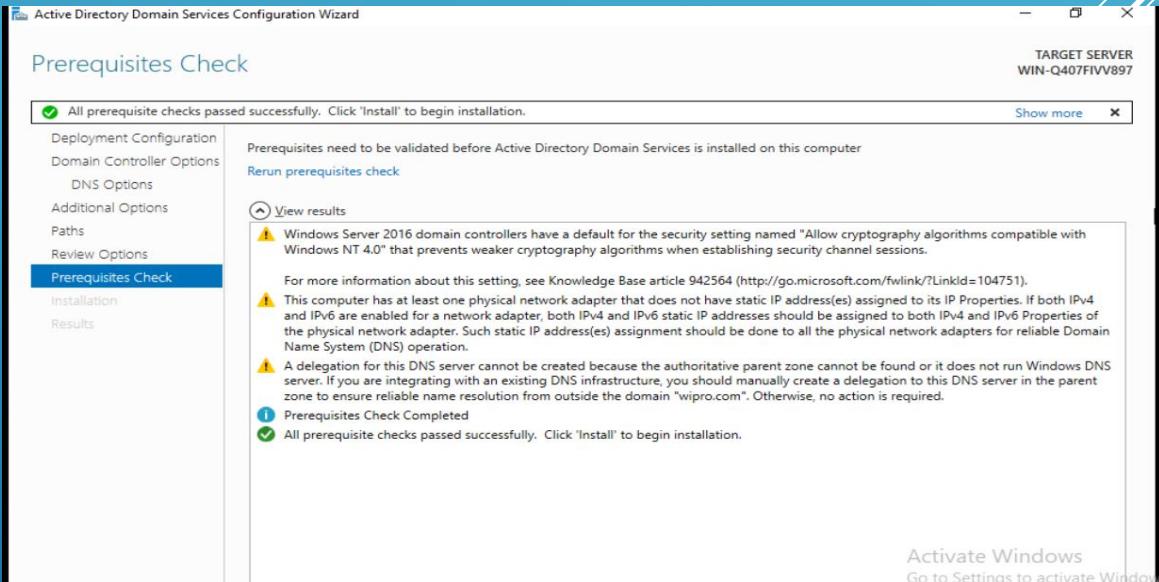
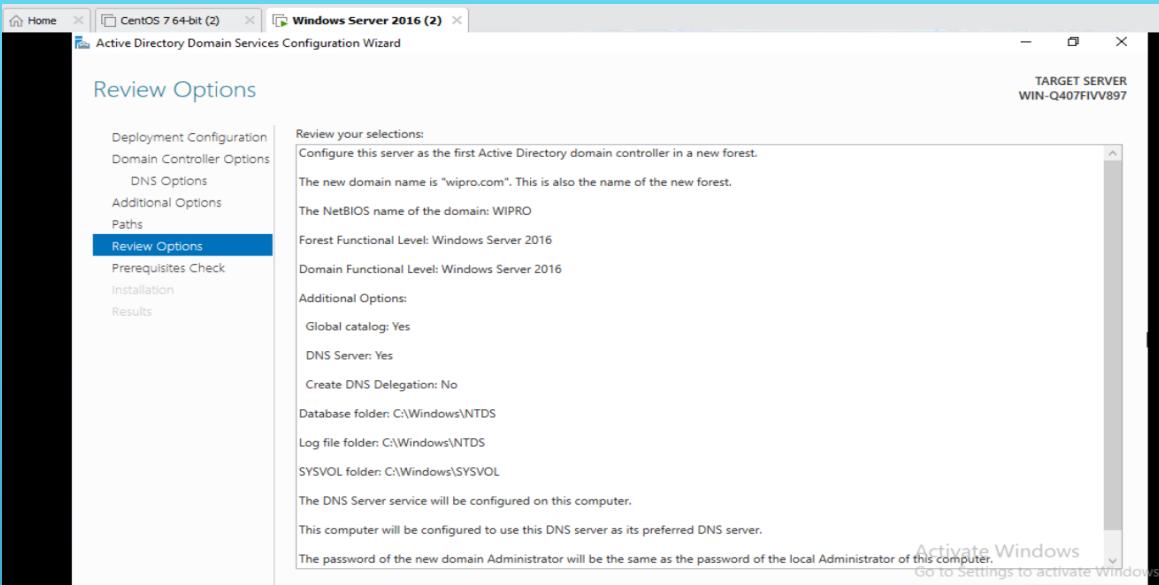
- ❑ Then DNS options and its take time then click next.
- ❑ Every step take little bit of time wait sometime for next step.



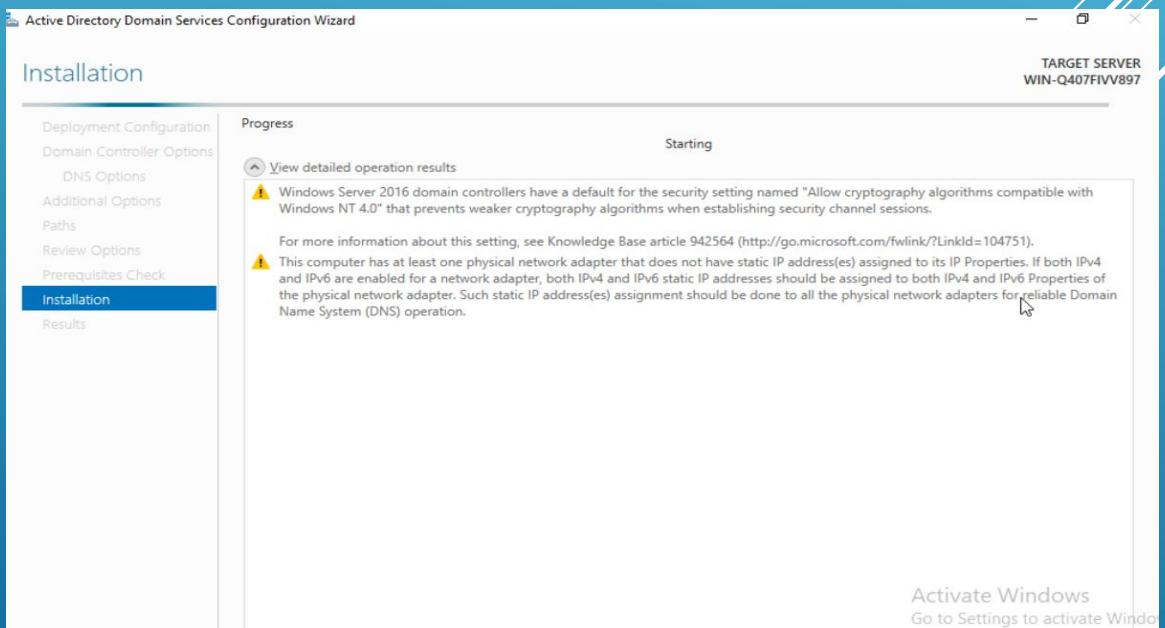
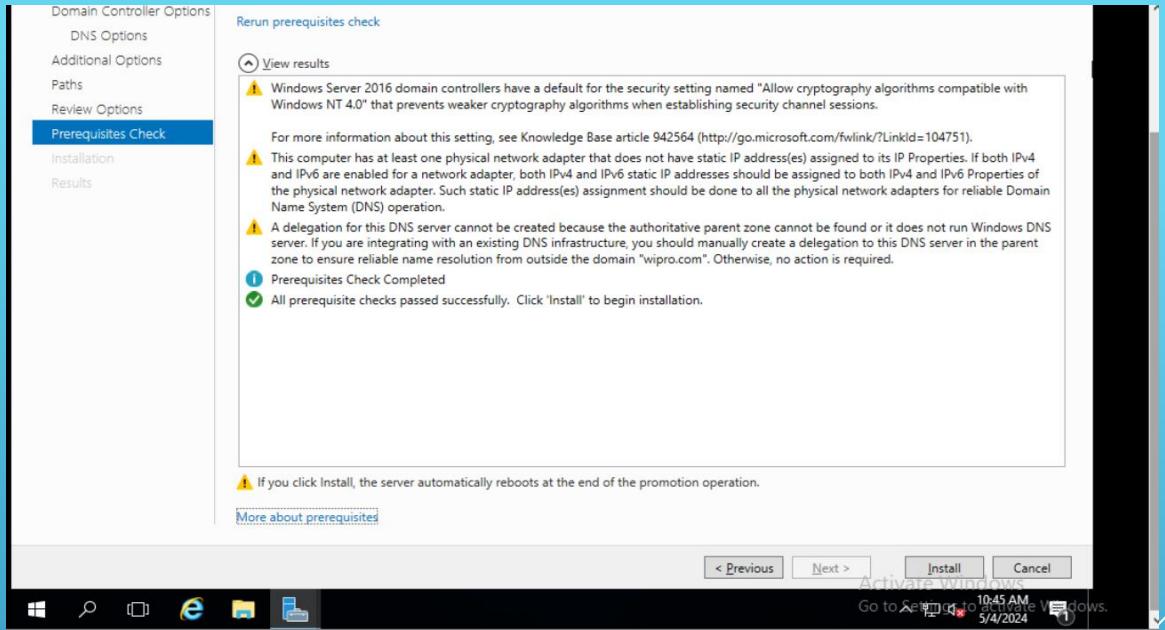
- After that verify the NetBIOS name assigned to the domain.
- It show automatically.
- Then click on next.
- Then go to path.
- Click on next.



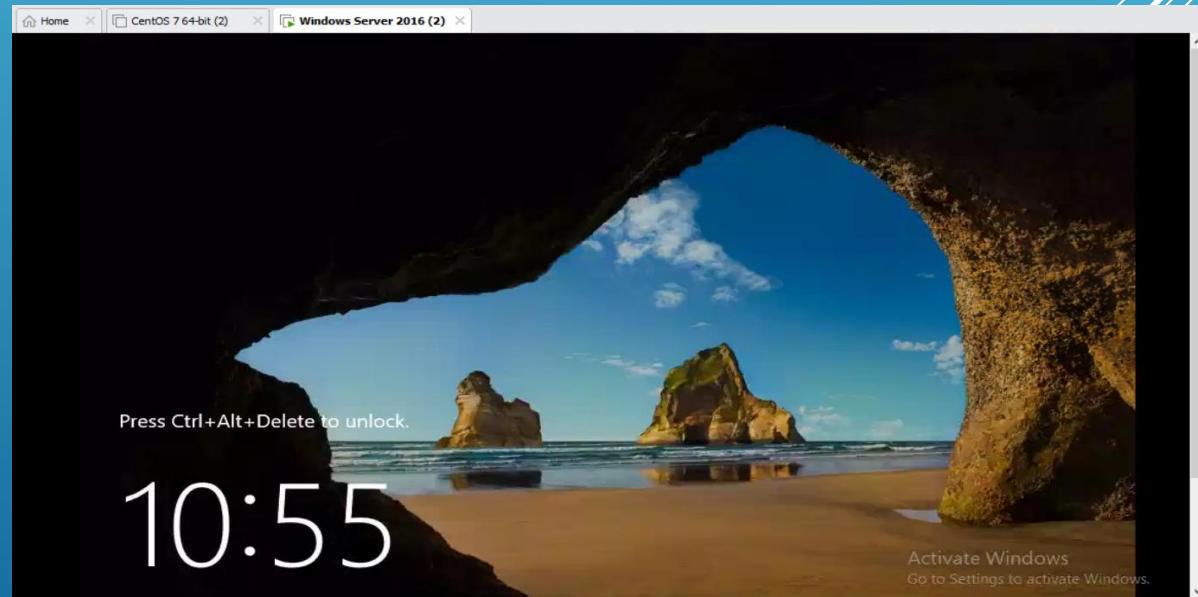
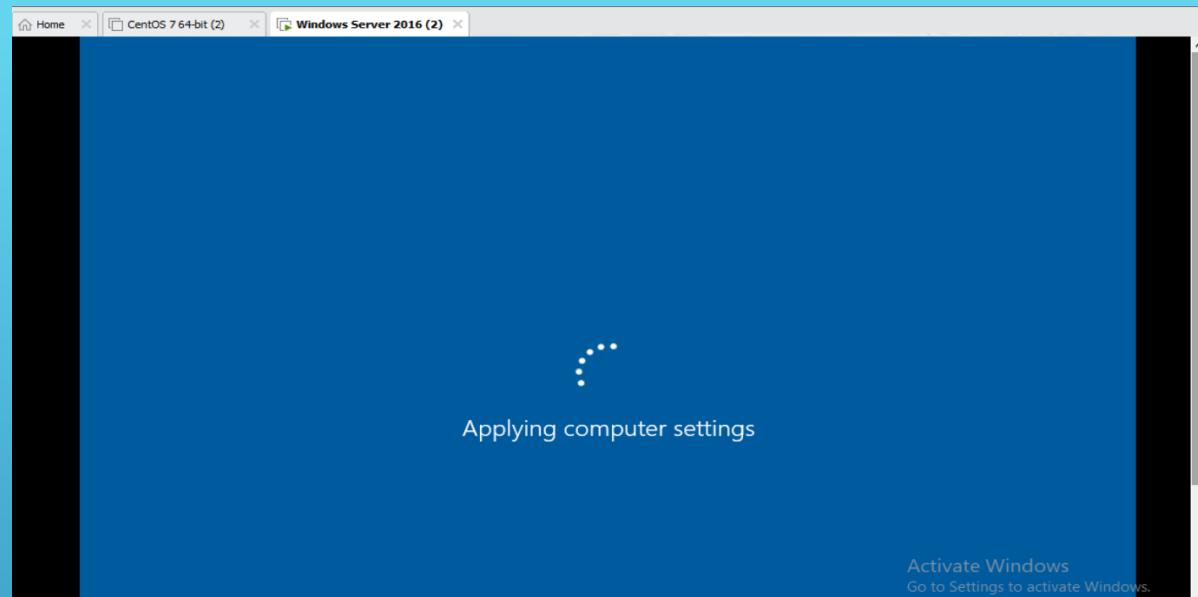
- ❑ Then review the option.
- ❑ Take time click on next.
- ❑ Then prerequisites check.
- ❑ It run automatically.



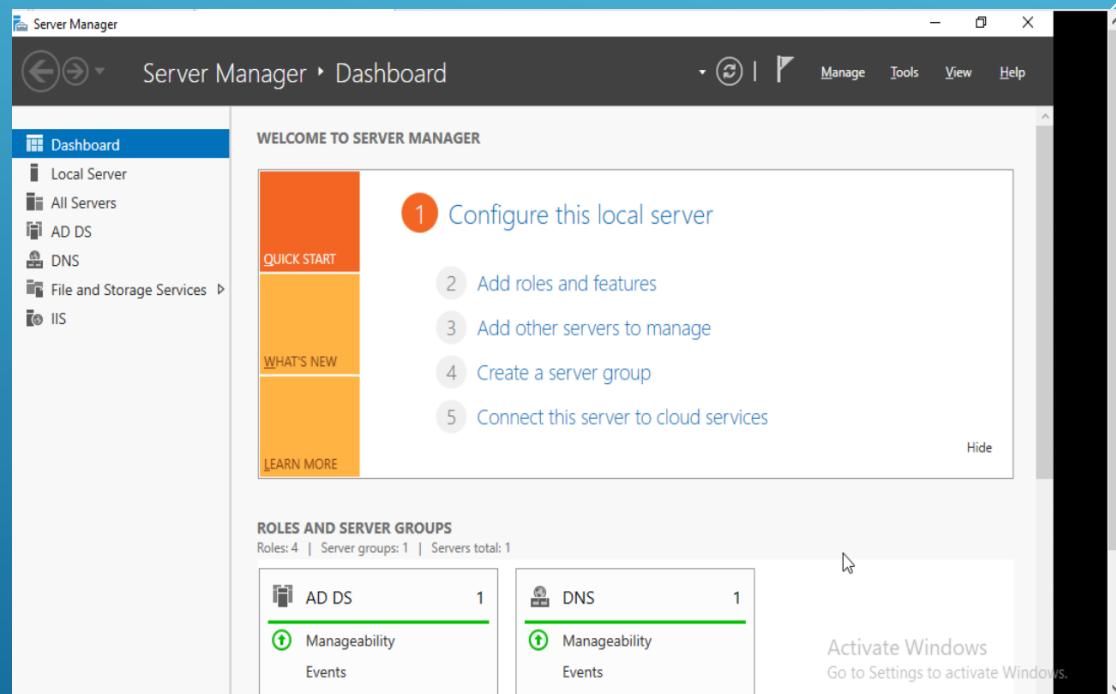
- It take time after run system need to restart.
- Then click on restart.



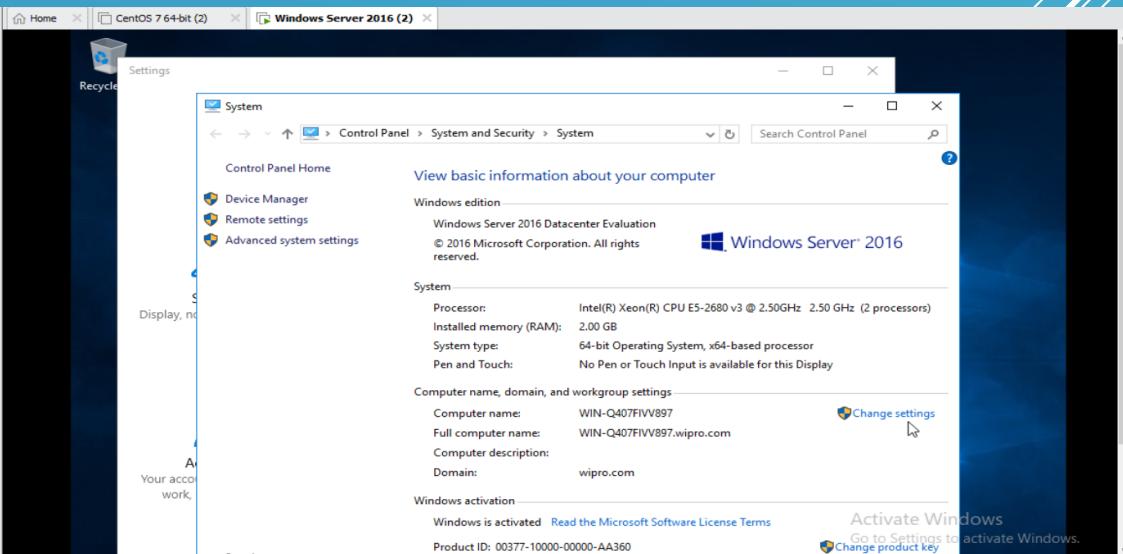
- After restart this is the first look of window.
- It also take some time.



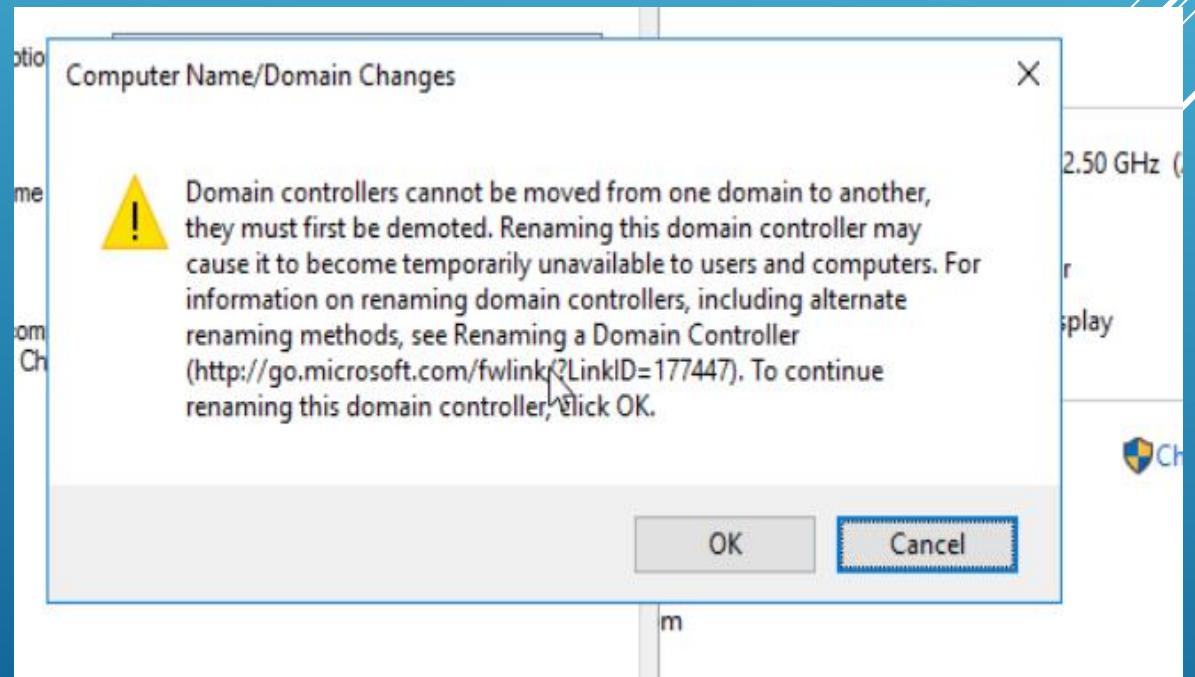
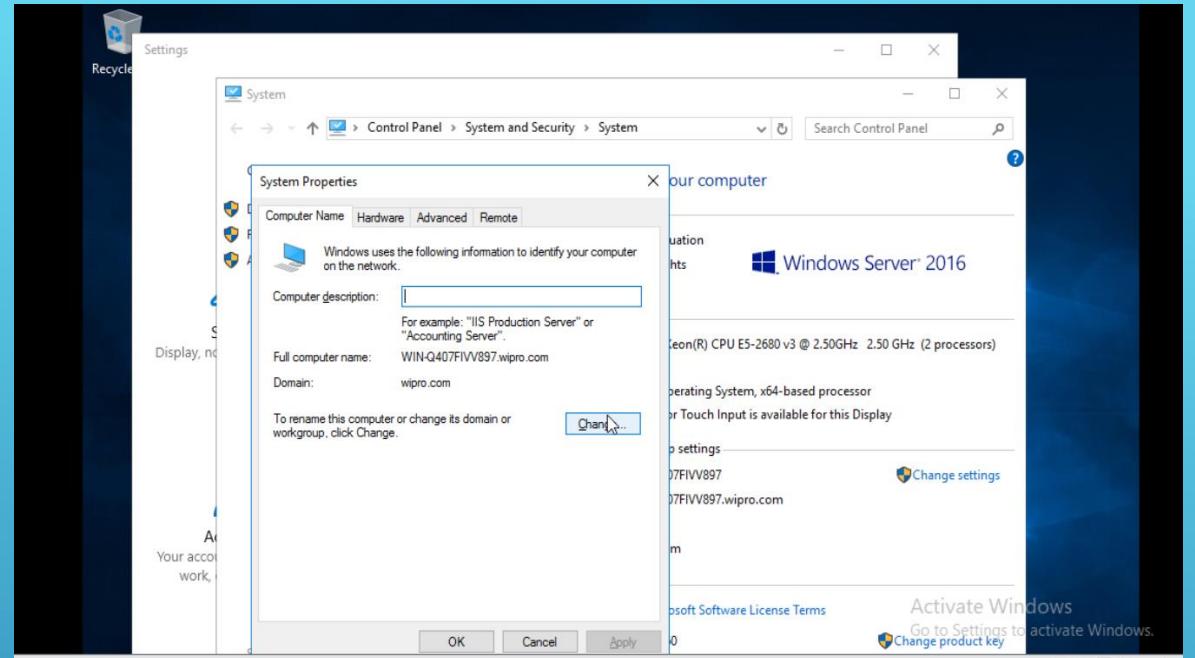
- ❑ Then give id password to the system and our server manager will be open.
- ❑ Then see our ADDS,DNS & IIS is install successfully.



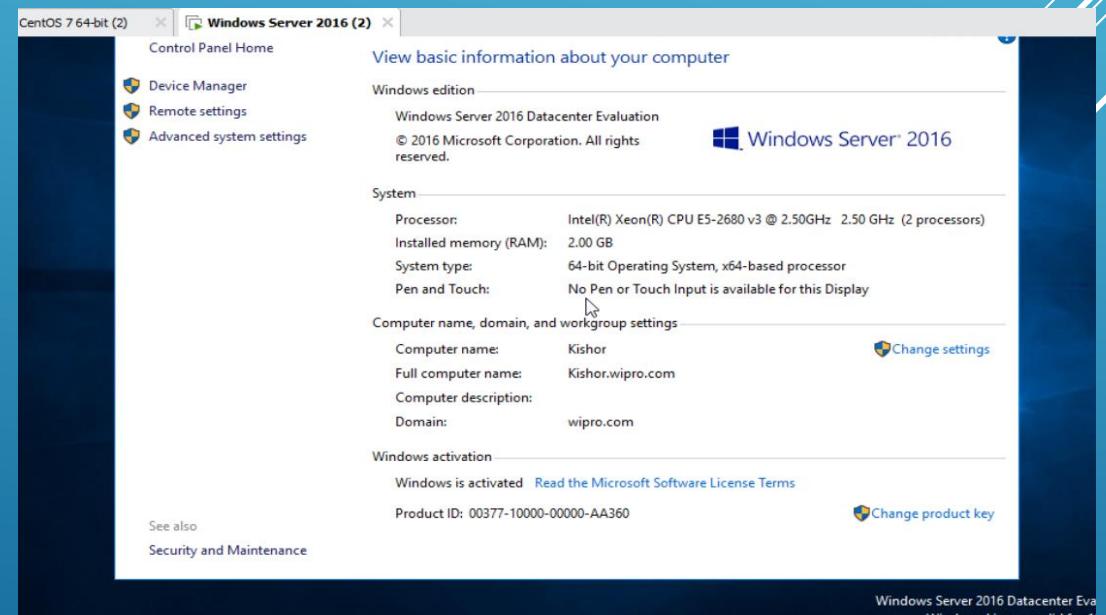
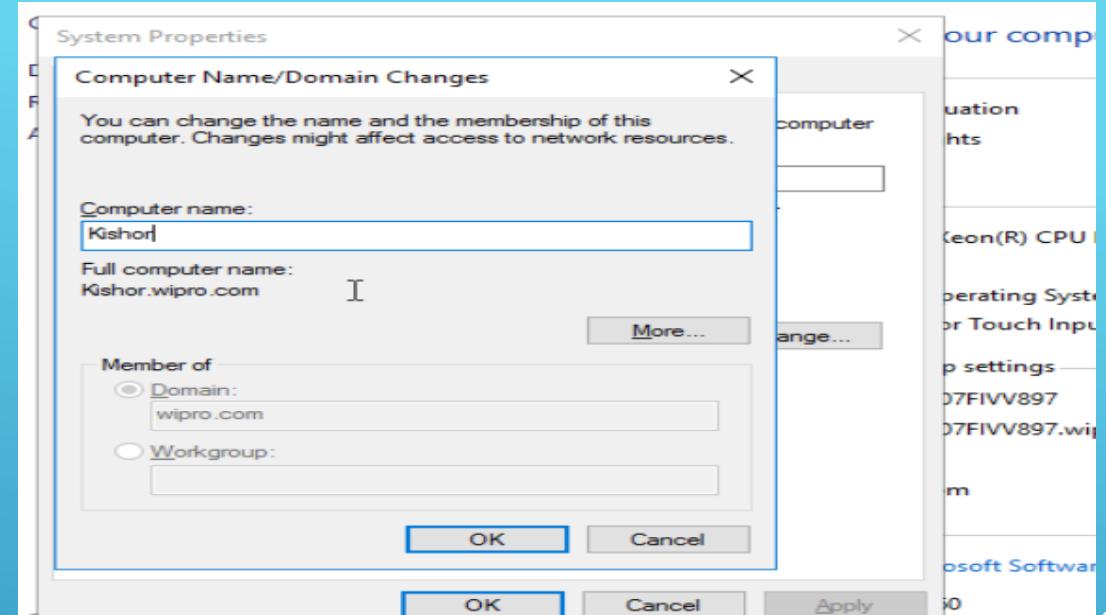
- ❑ For configure basic server hostname then go to system .
- ❑ Click on change setting.



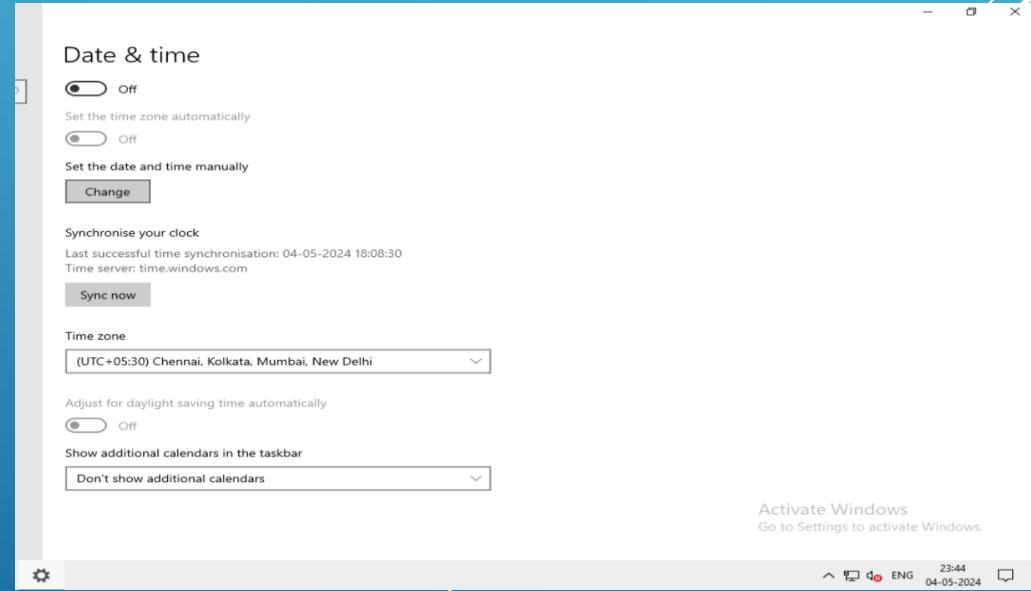
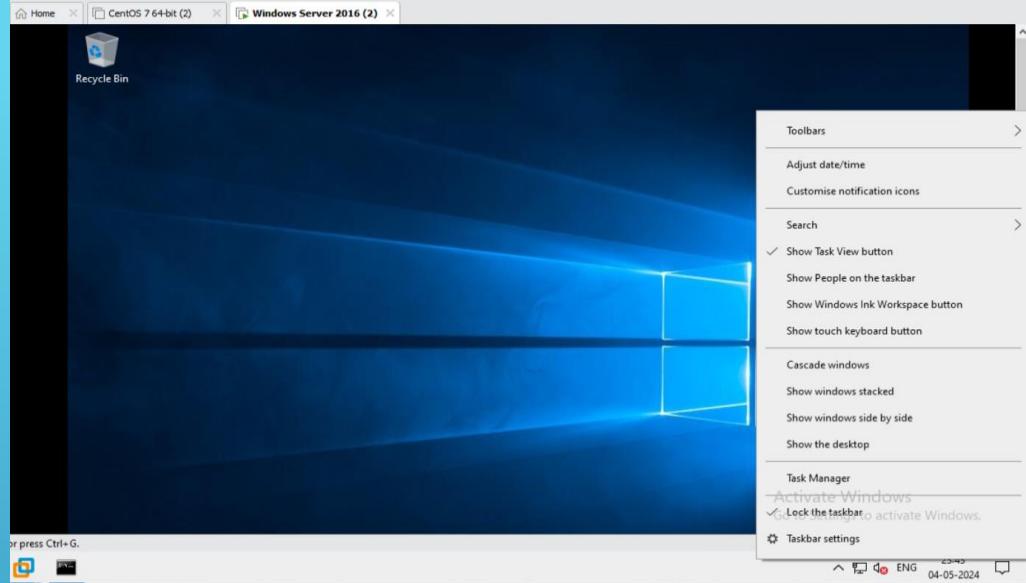
- Then go to system properties and click on change.
- After that show a warning message then click on next and move to next.



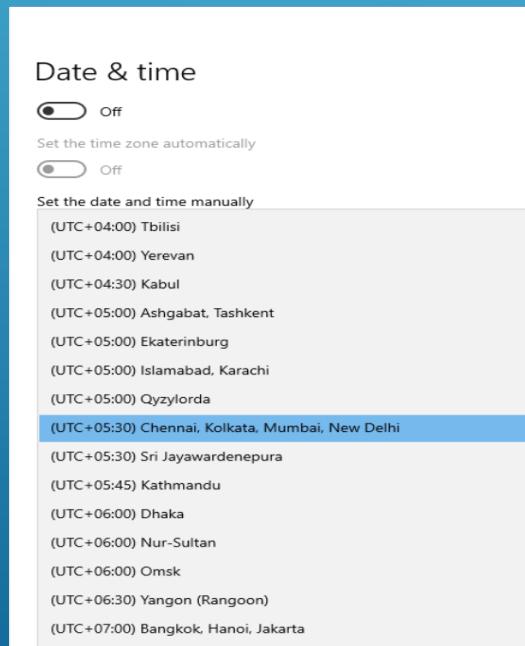
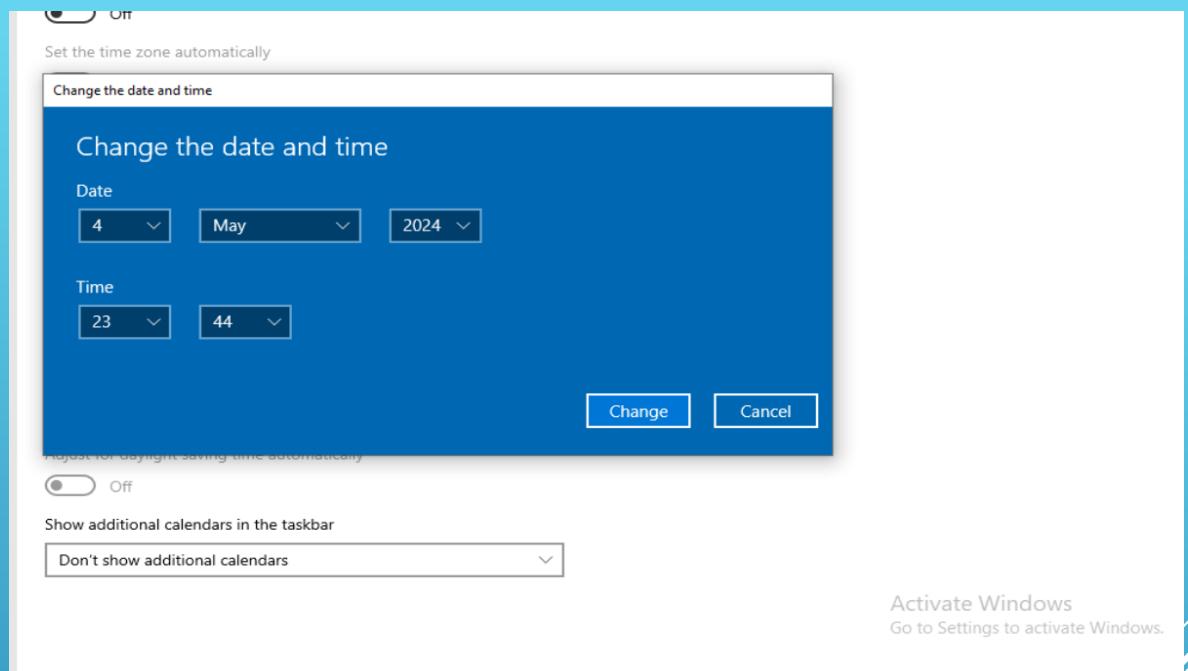
- Then give the computer name as I give Kishor.
- Then click ok.
- Then see the host name change to Kishor.



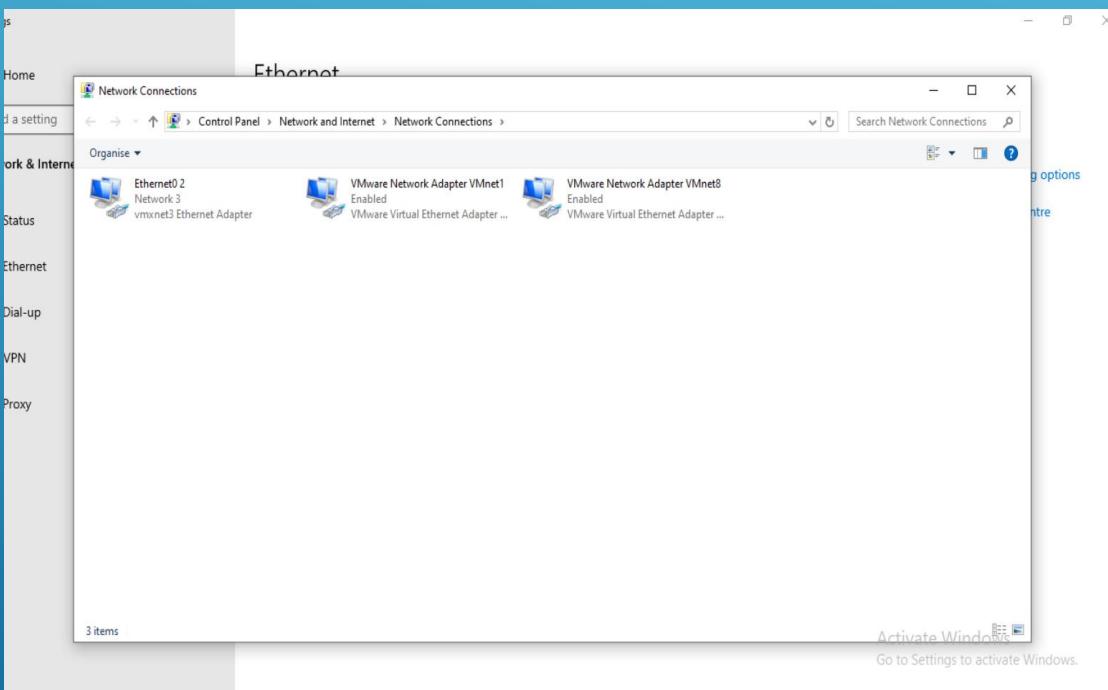
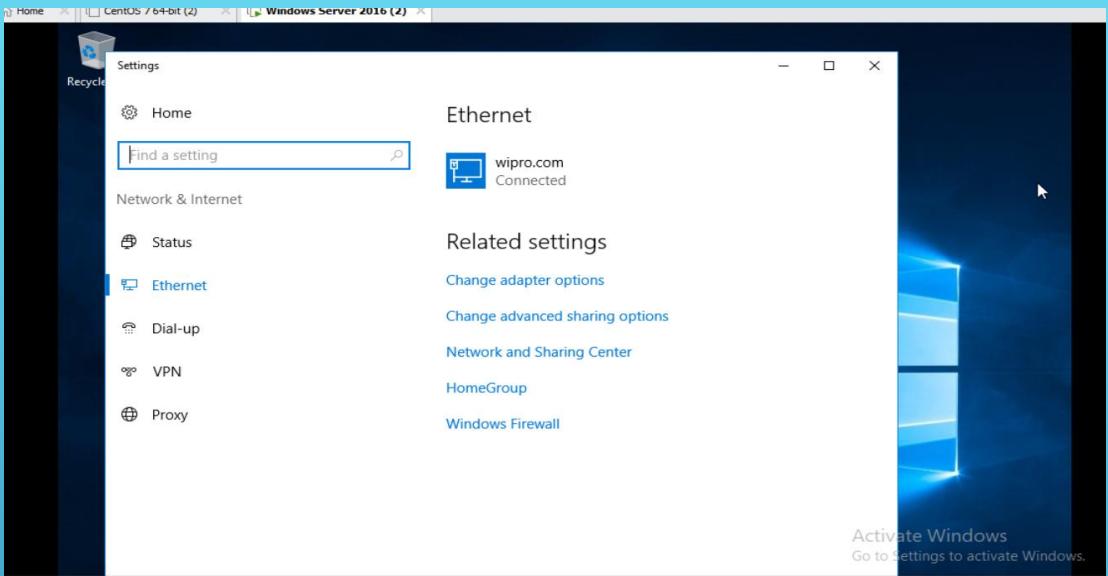
- ❑ For date and time zone go to right side of pc click on date and time.
- ❑ Then go adjust date and time.
- ❑ Now see the date and time of computer.



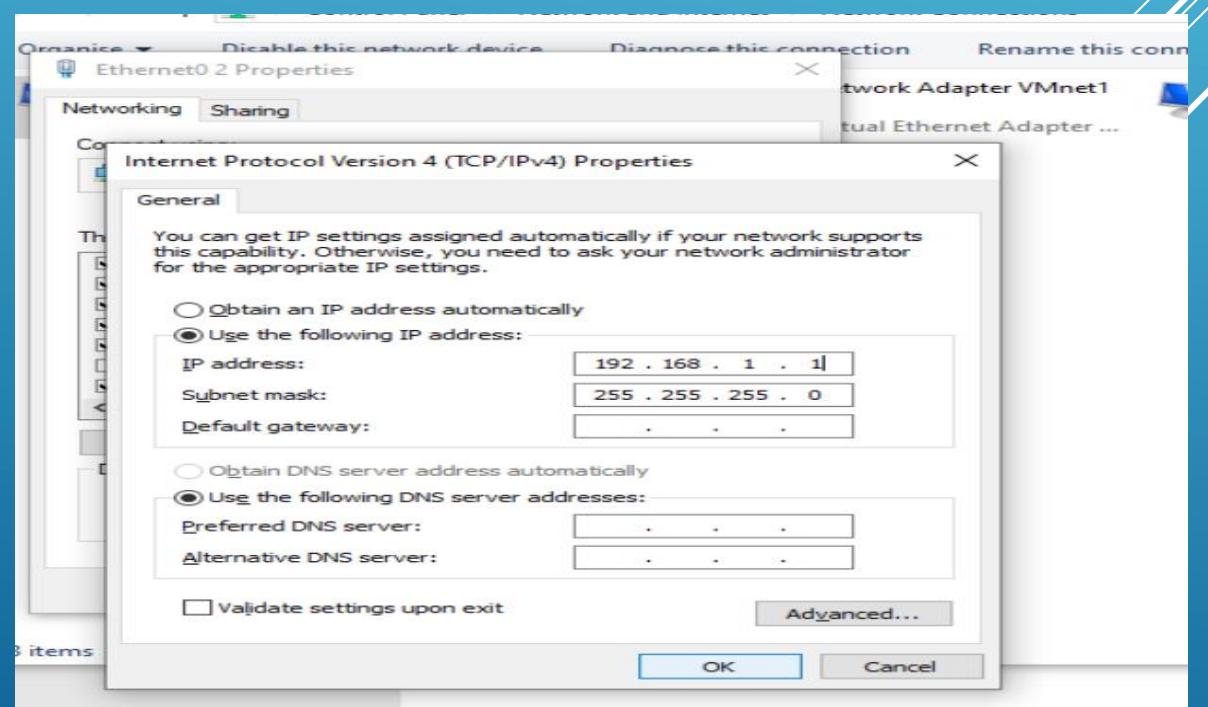
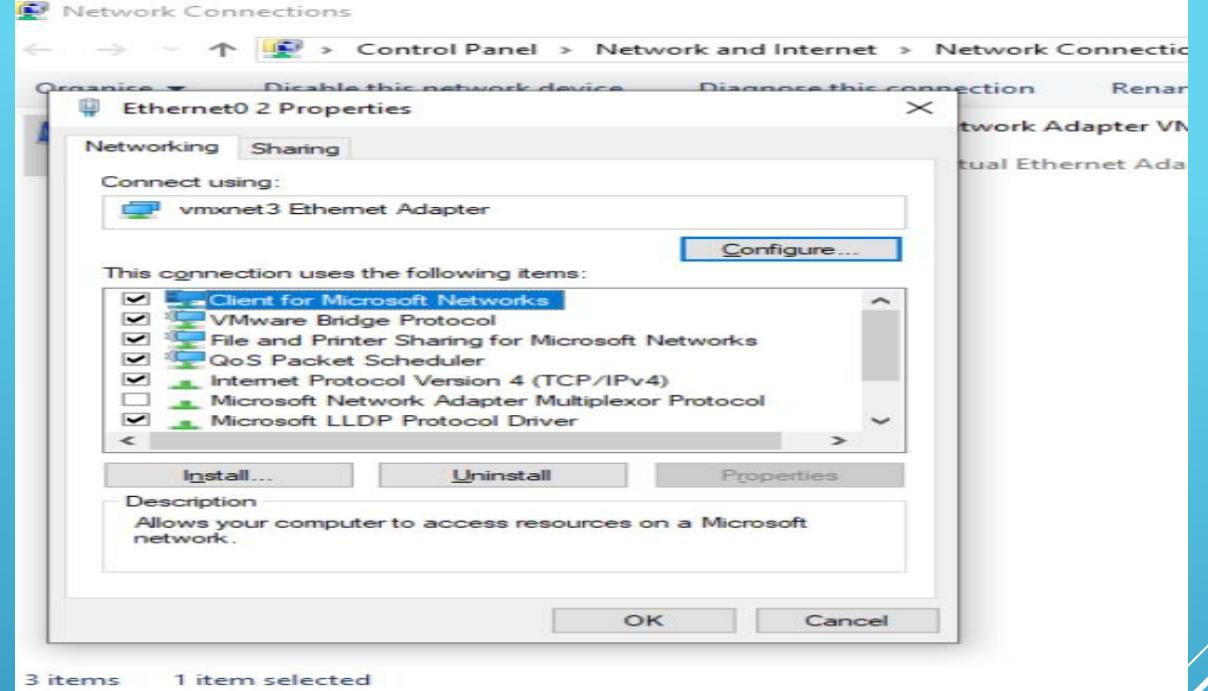
- Now see the date and time
- - Also check the standard time .



- ❑ For configure ip address.
- ❑ Go to network and internet.
- ❑ Then click on change adaptor option.
- ❑ Then go to the Eathernet0 .



- Then right click on eathernet and go to property.
- Go to the ipv4 and change the ip address.
- Then assign the ip address.



- Now open command prompt and run ipconfig /all to see all the details.

```
C:\Users\Administrator>ipconfig /all

Windows IP Configuration

Host Name . . . . . : Kishor
Primary Dns Suffix . . . . . : wipro.com
Node Type . . . . . : Hybrid
IP Routing Enabled. . . . . : No
WINS Proxy Enabled. . . . . : No
DNS Suffix Search List. . . . . : wipro.com

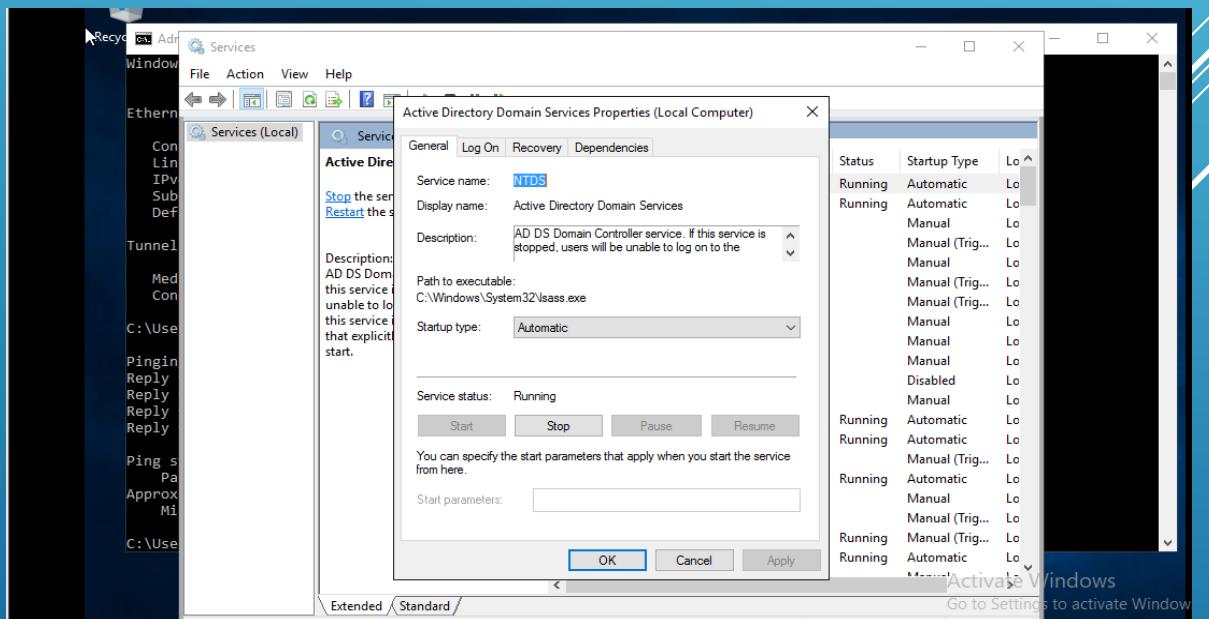
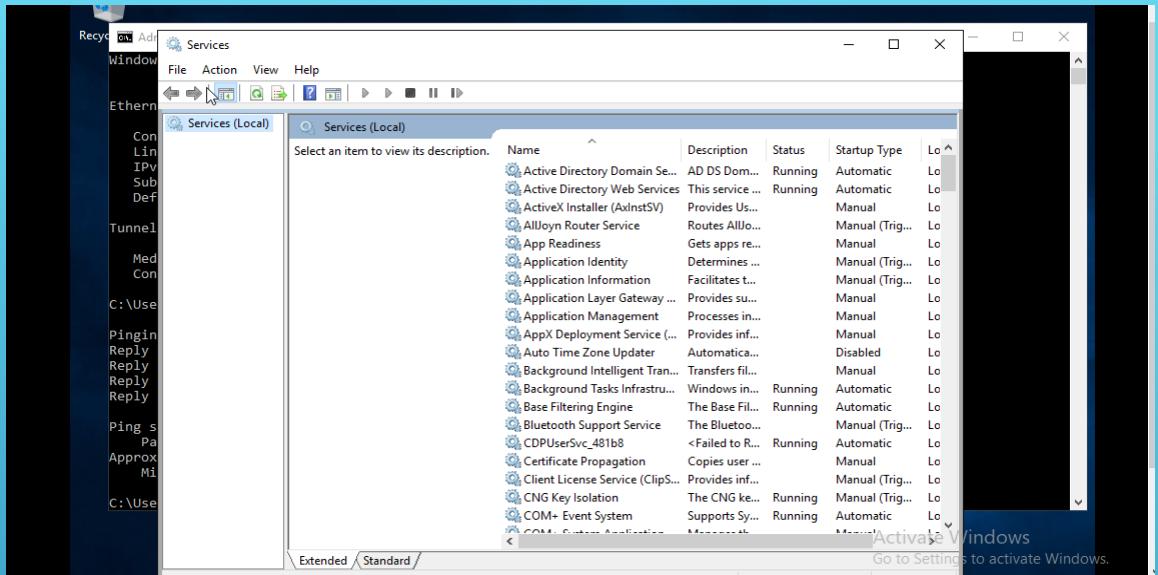
Ethernet adapter Ethernet0:

Connection-specific DNS Suffix . :
Description . . . . . : Intel(R) 82574L Gigabit Network Connection
Physical Address. . . . . : 00-0C-29-5A-44-DA
DHCP Enabled. . . . . : No
Autoconfiguration Enabled . . . . . : Yes
Link-local IPv6 Address . . . . . : fe80::412d:13c7:6a43:e4e2%2(PREFERRED)
IPv4 Address. . . . . : 192.168.1.1(PREFERRED)
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . :
DHCPv6 IAID . . . . . : 33557545
DHCPv6 Client DUID. . . . . : 00-01-00-01-2D-C8-D4-A0-00-0C-29-5A-44-DA
DNS Servers . . . . . : ::1
                                         127.0.0.1
NetBIOS over Tcpip. . . . . : Enabled

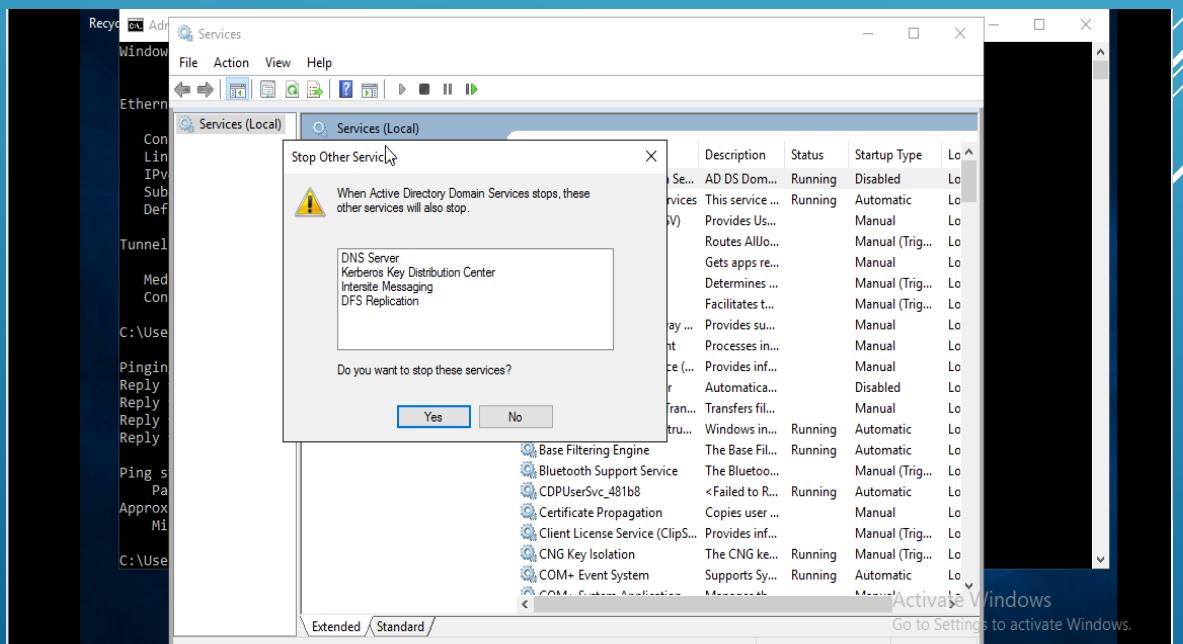
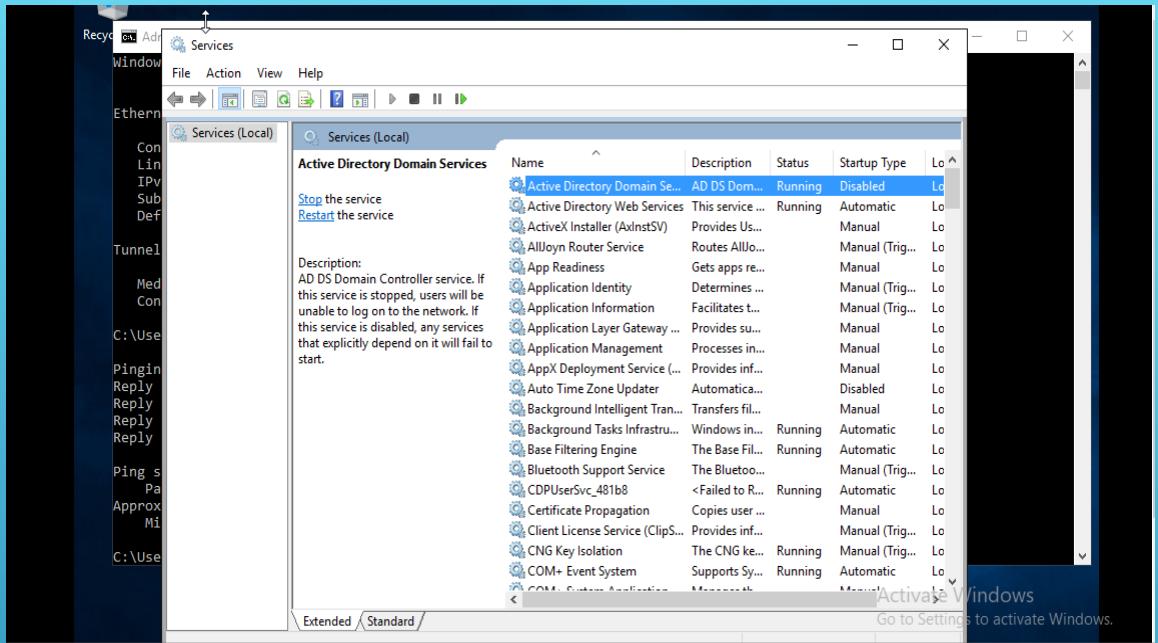
Tunnel adapter Local Area Connection* 3:
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- The below screengraph are trouble shoot of active directory domain server.

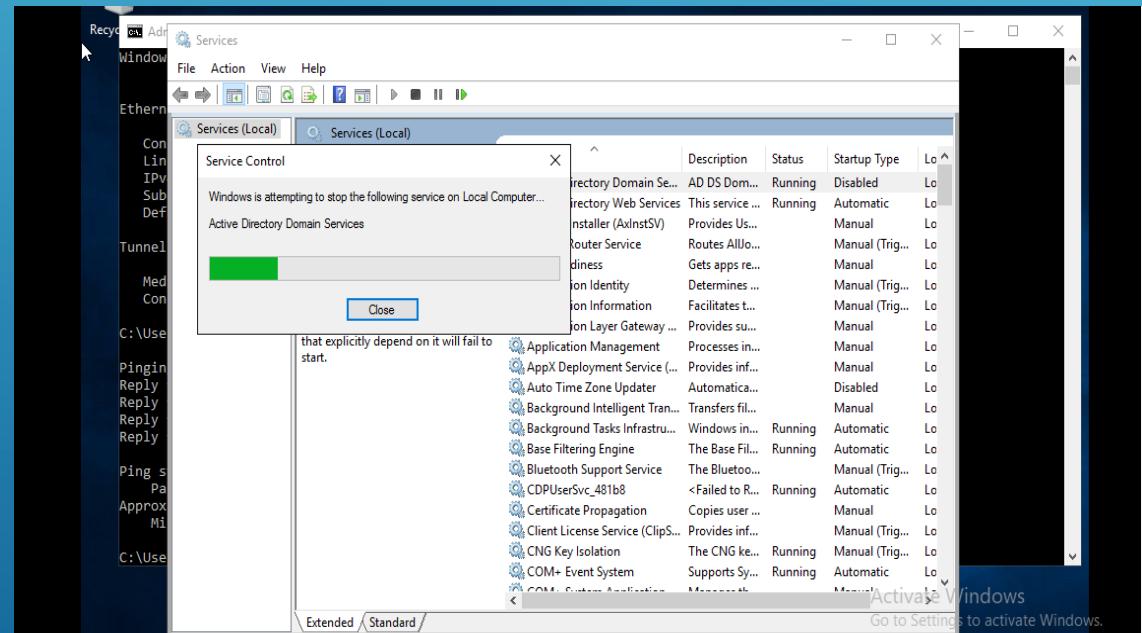
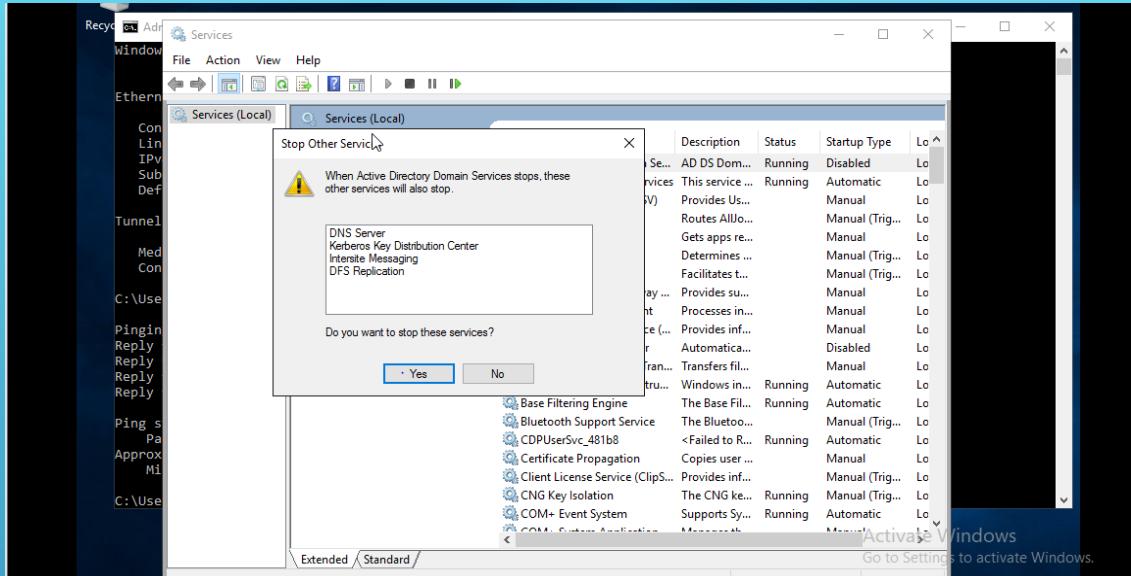
- ❑ Two open services.
- ❑ Then go to active directory domain service properties.



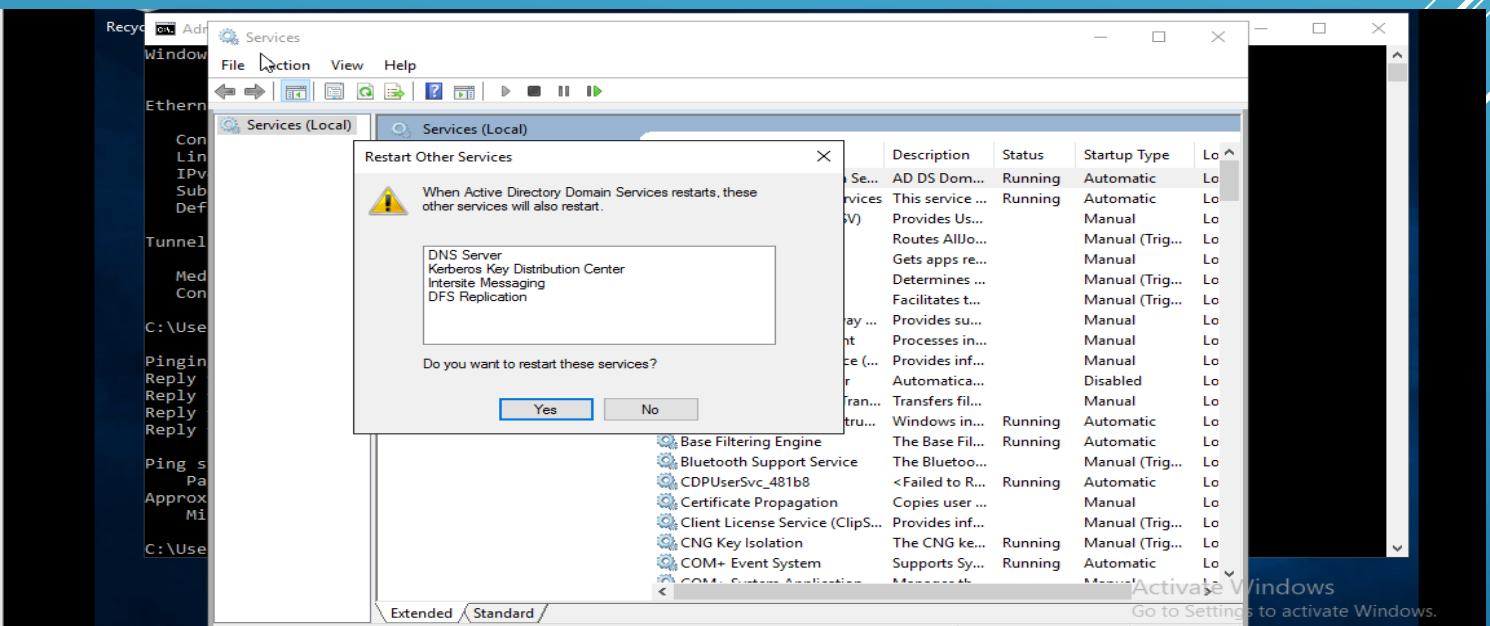
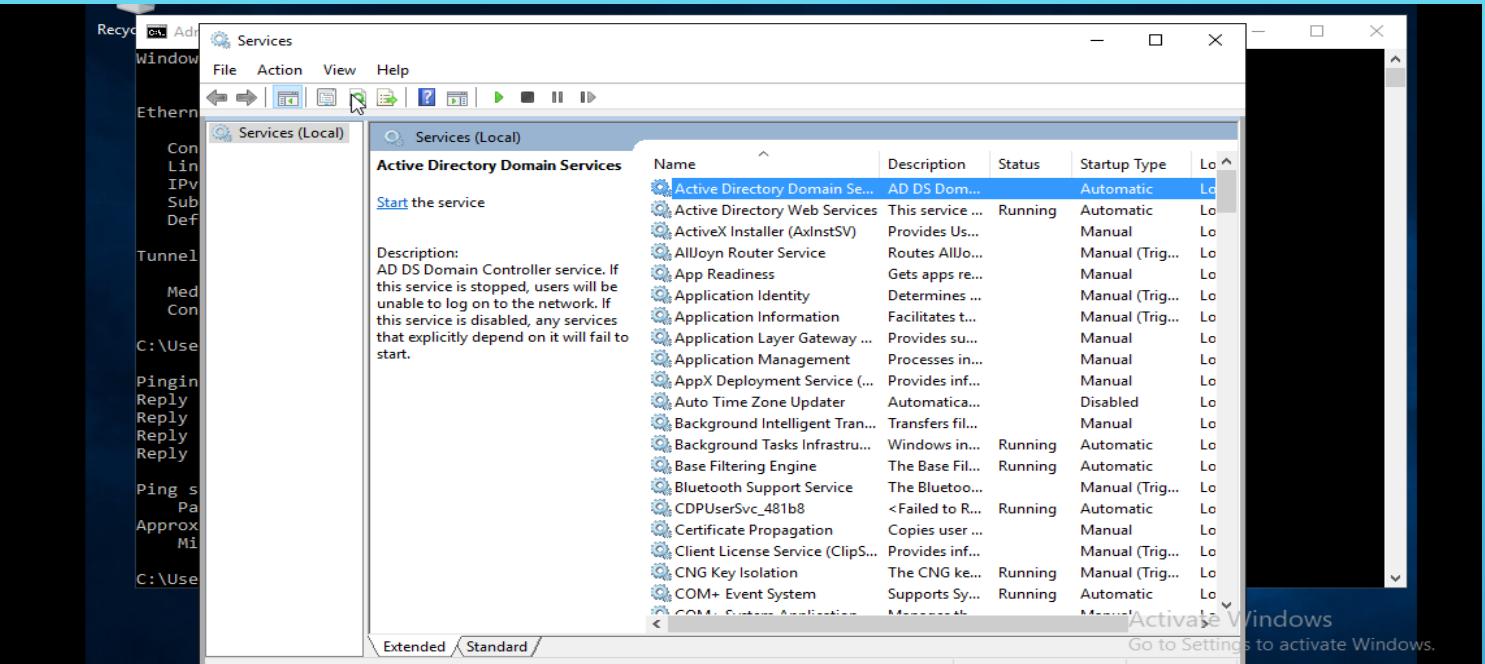
- Then go to service local.
- Then stop other service.



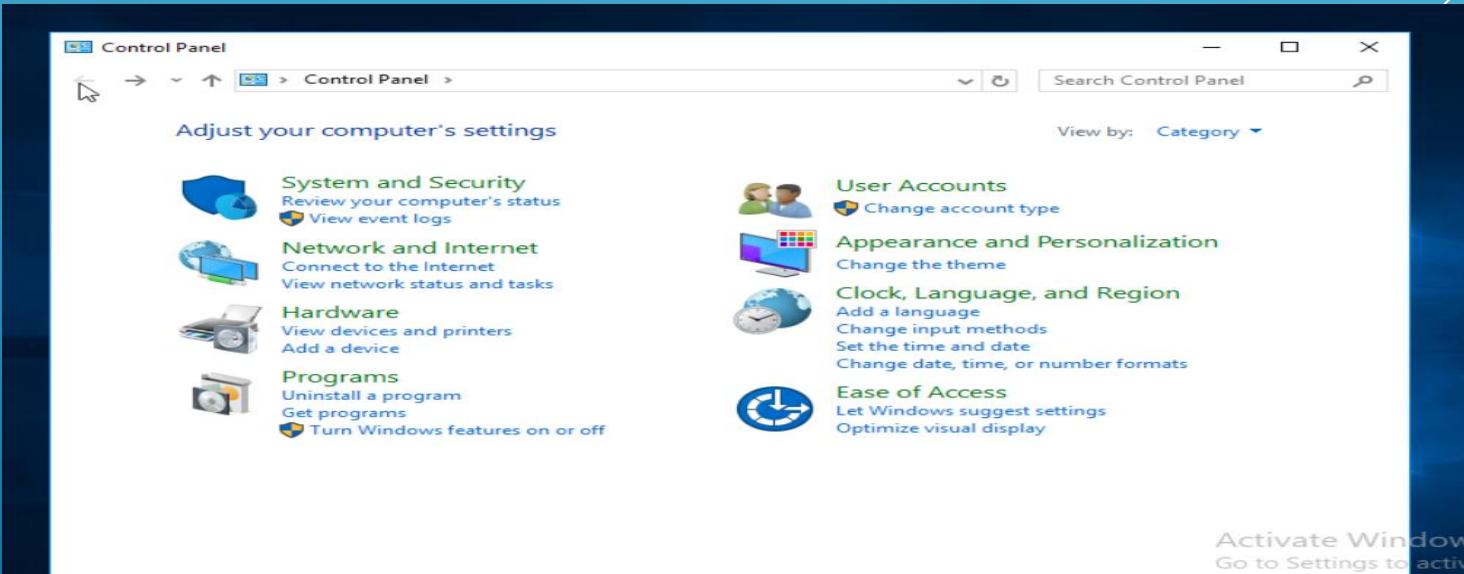
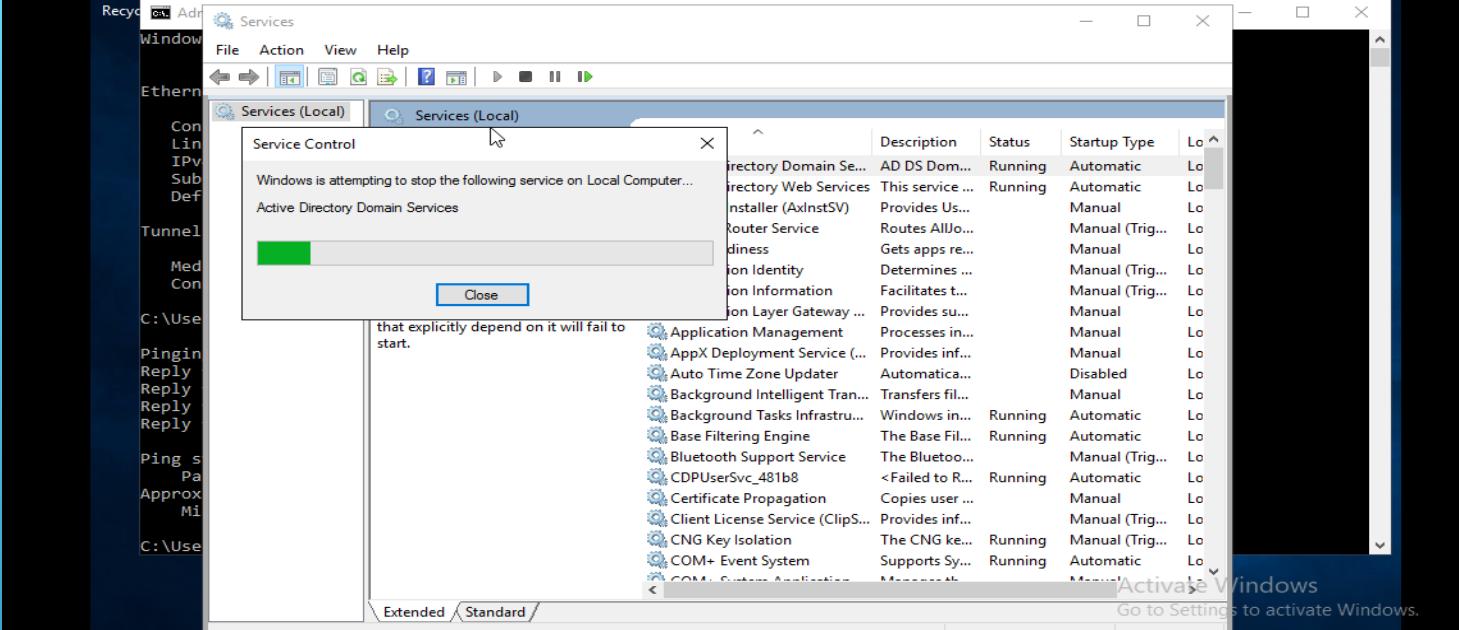
- ❑ Then stop other services.
- ❑ Then go to services control.



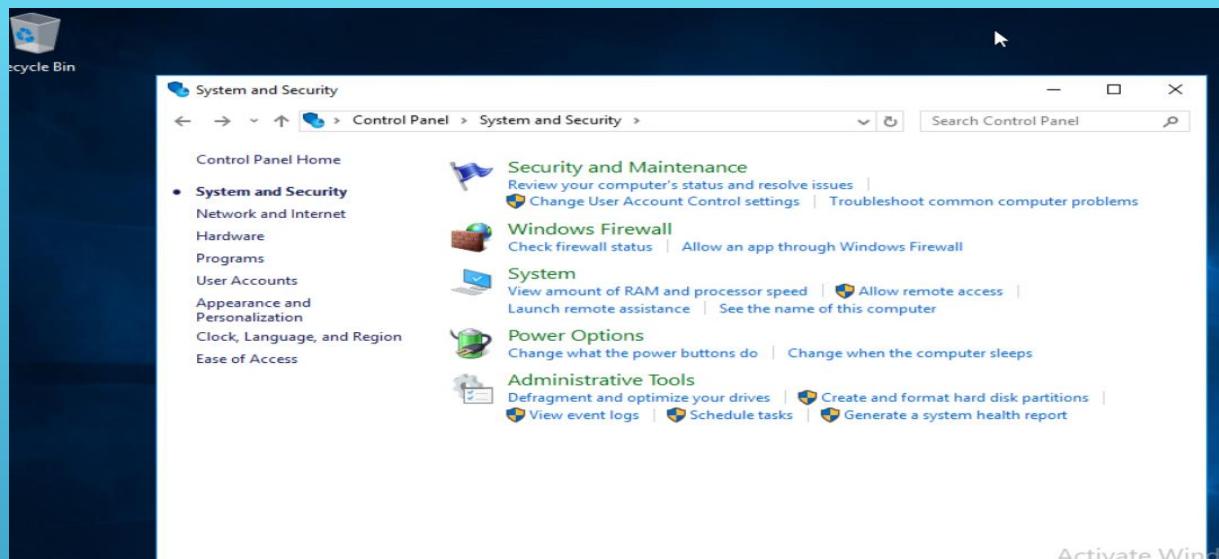
□ Then restart
other services
click on yes.



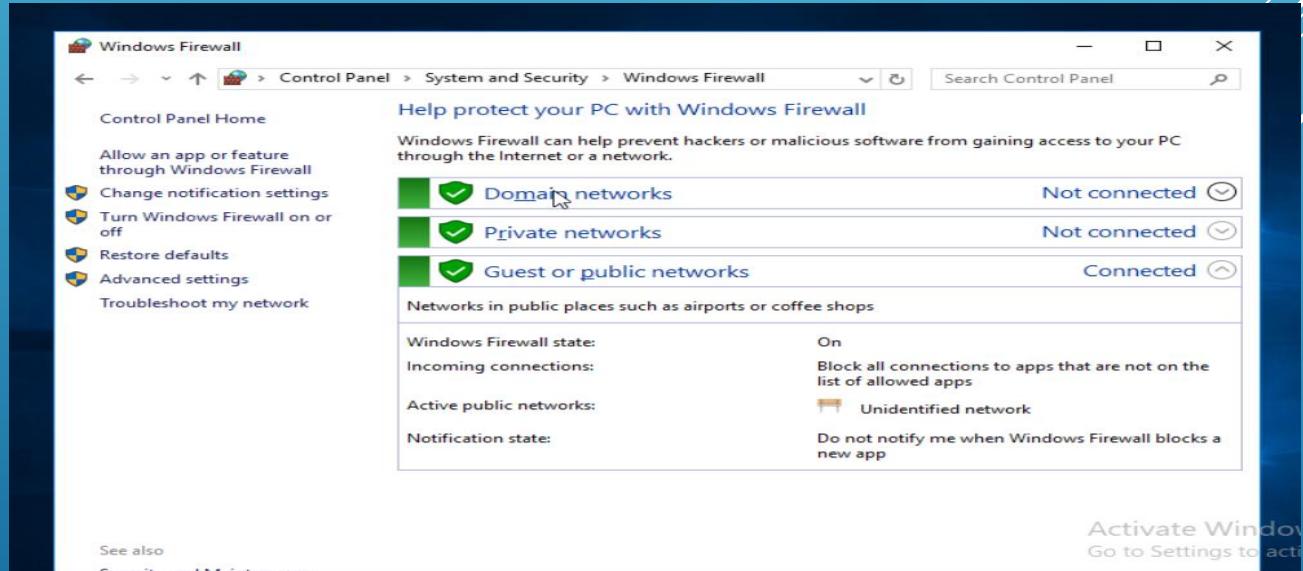
- Here for firewall configuration , first go to control pannel and open it.
- Then click system and security.



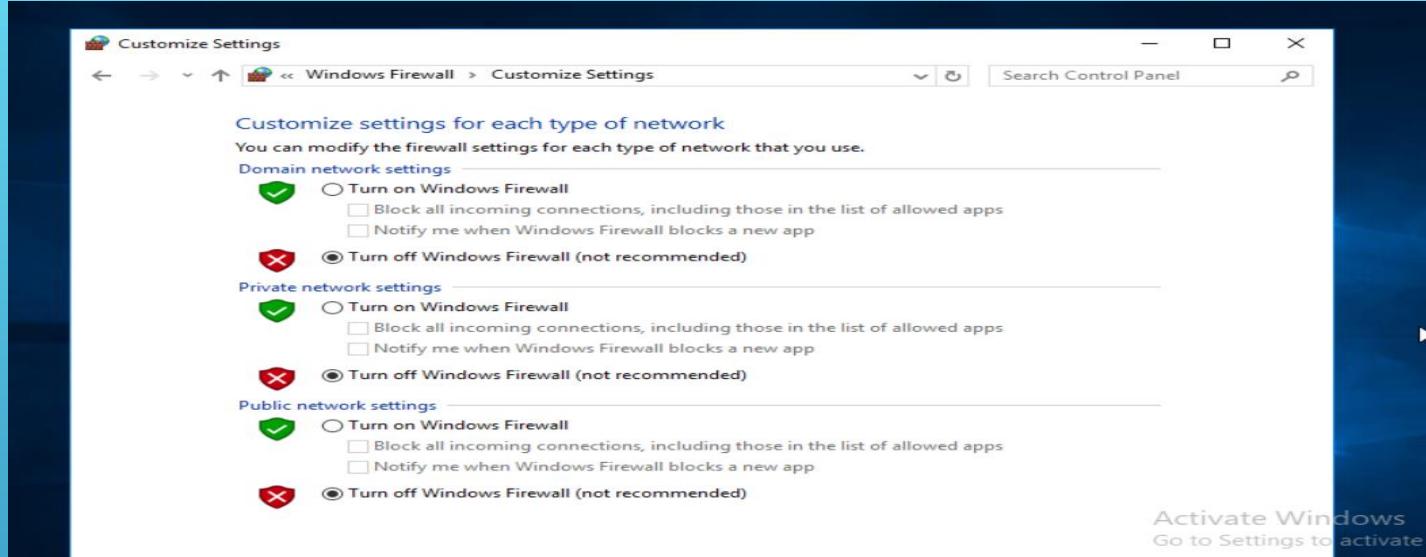
- Then click on window firewall.
- Open it.



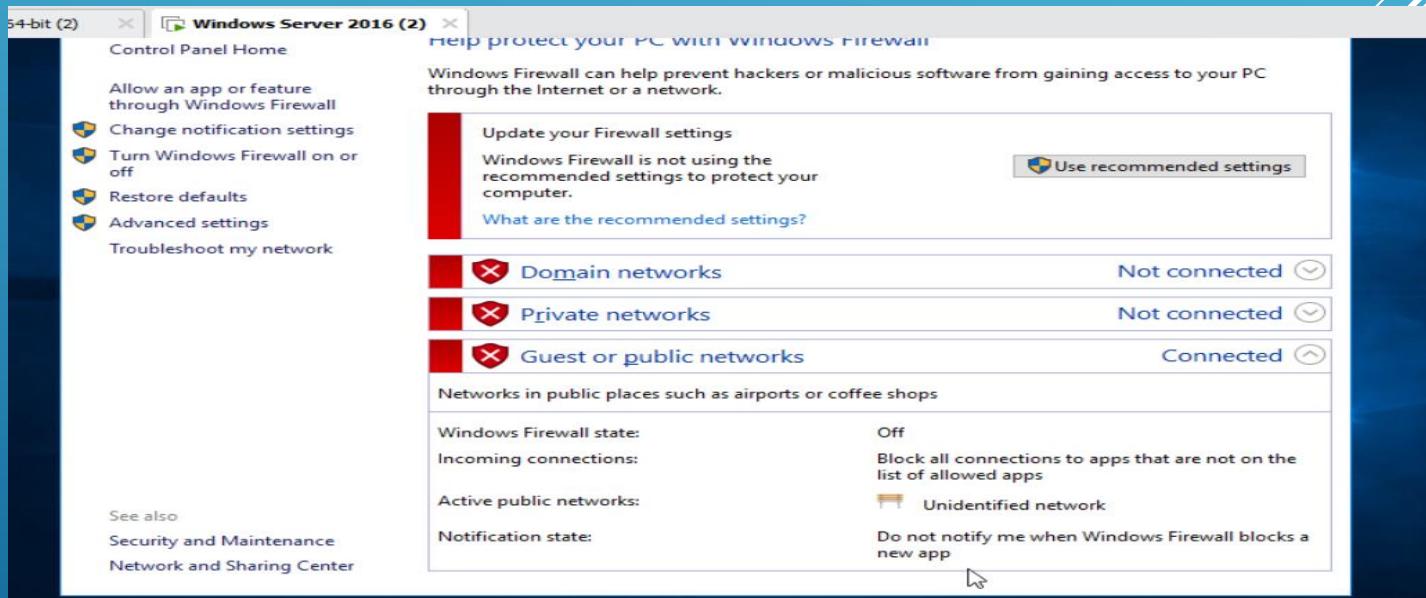
- Go to the turn window firewall on and off.



- Then turn off domain network setting , private network setting & public network setting.



- Here is the screen graph after firewall off.



Thank you
Kishor chandra sahoo