

Practical no 02

Aim - Create and manage the inter connectivity of Virtual Machine on

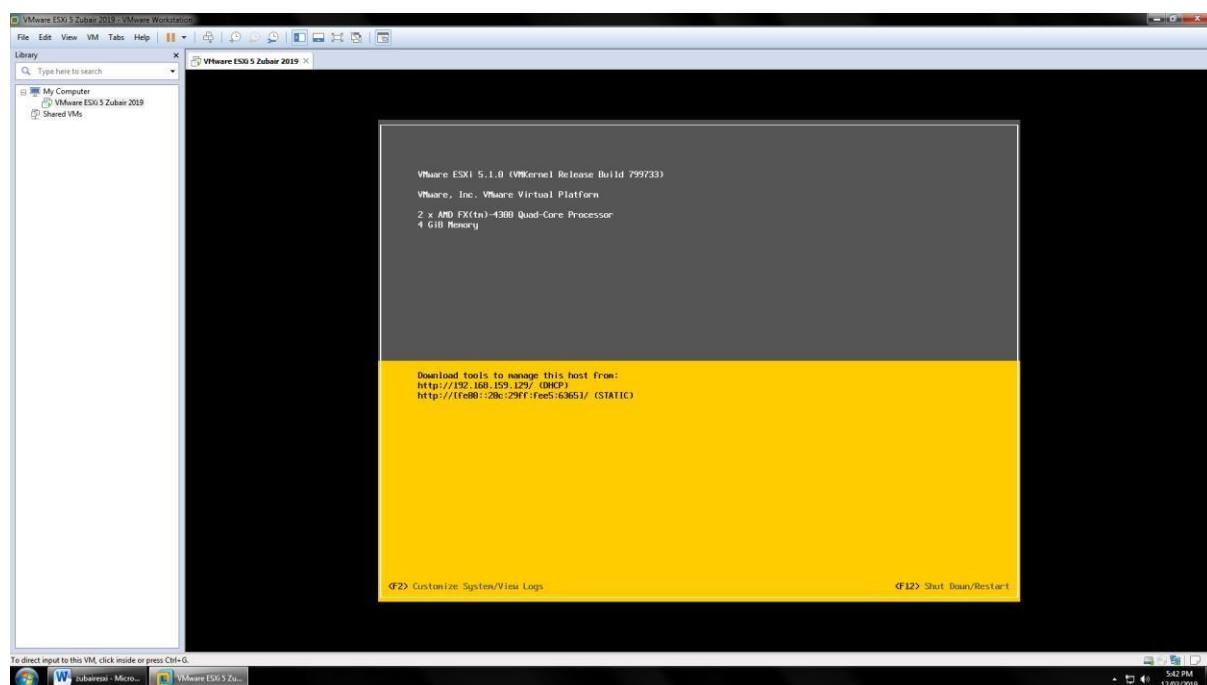
- Vmware Esxi

- Citrix Xen

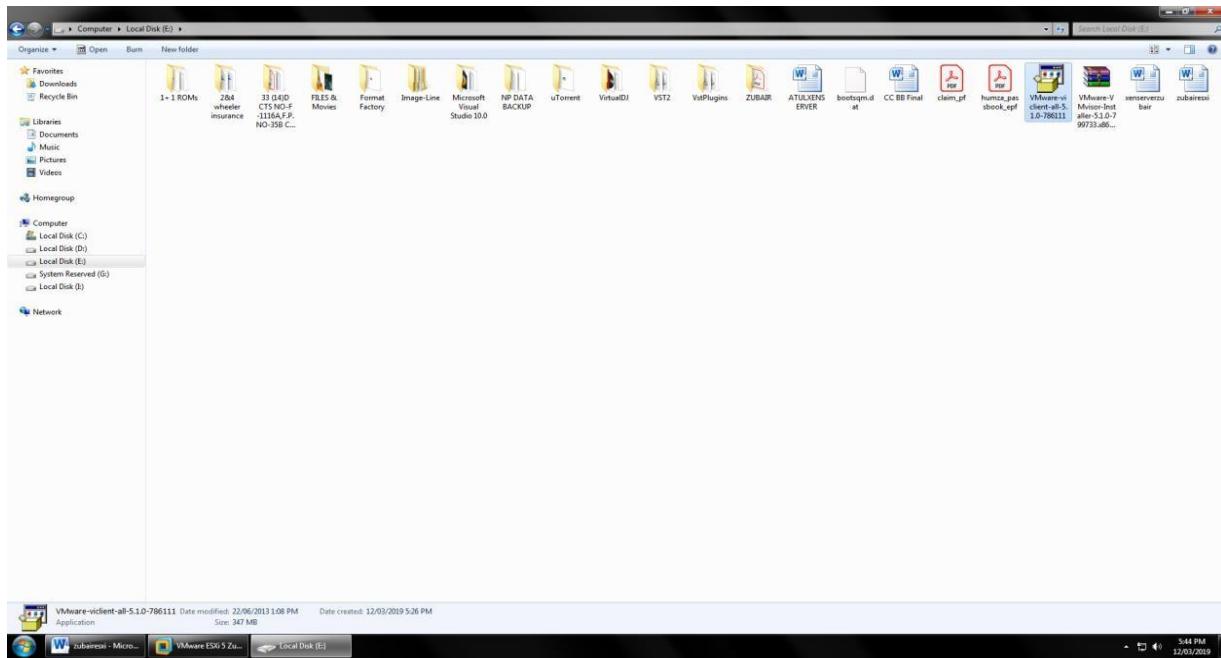
- Microsoft Hyper-V

- Vmware Esxi

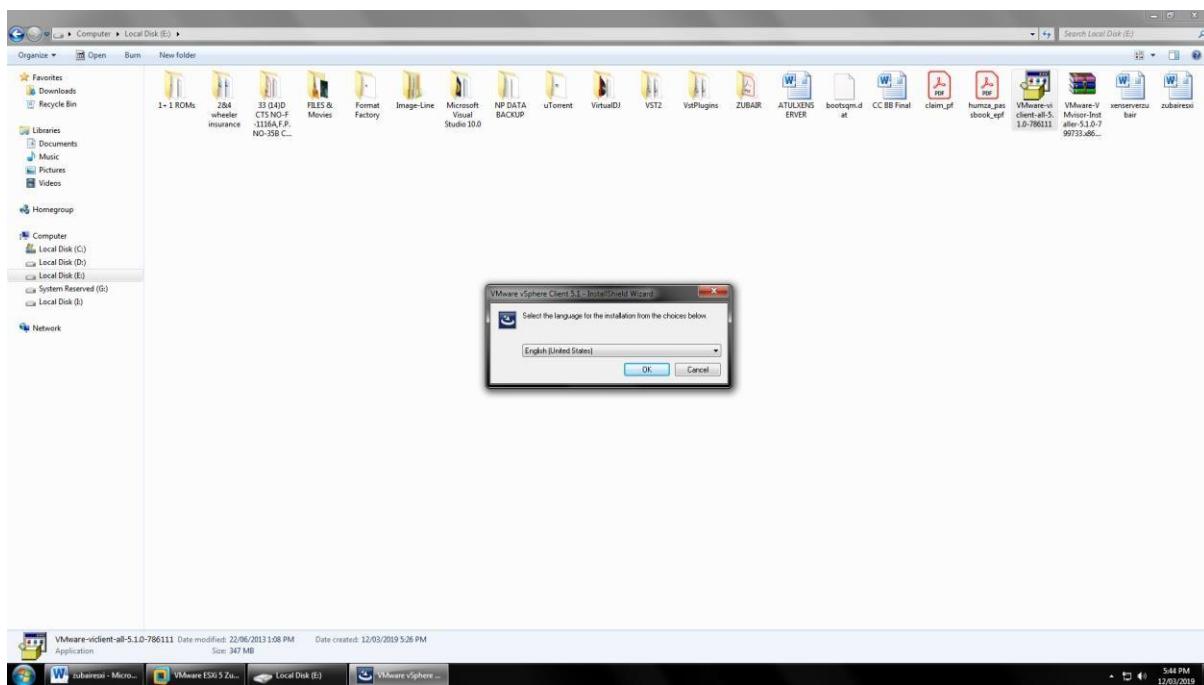
After Reboot you can see the ip address :- 192.168.159.129.



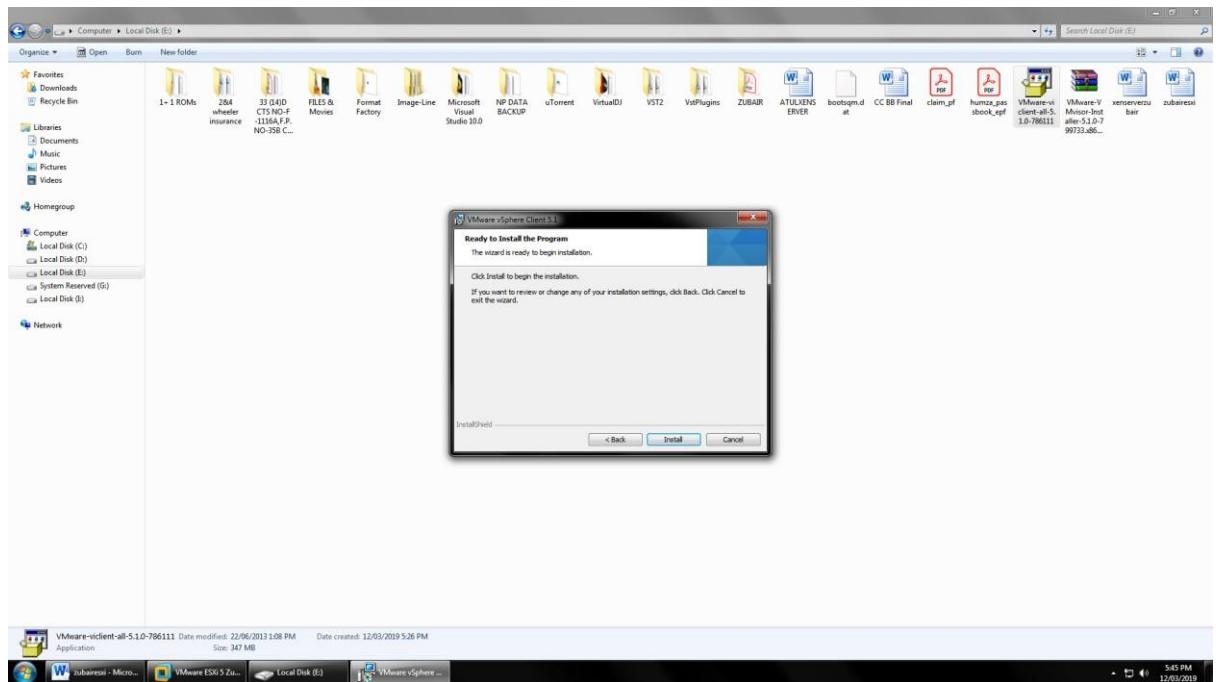
Select VMware-viclient-all-5.1.0.exe installer and Install it.



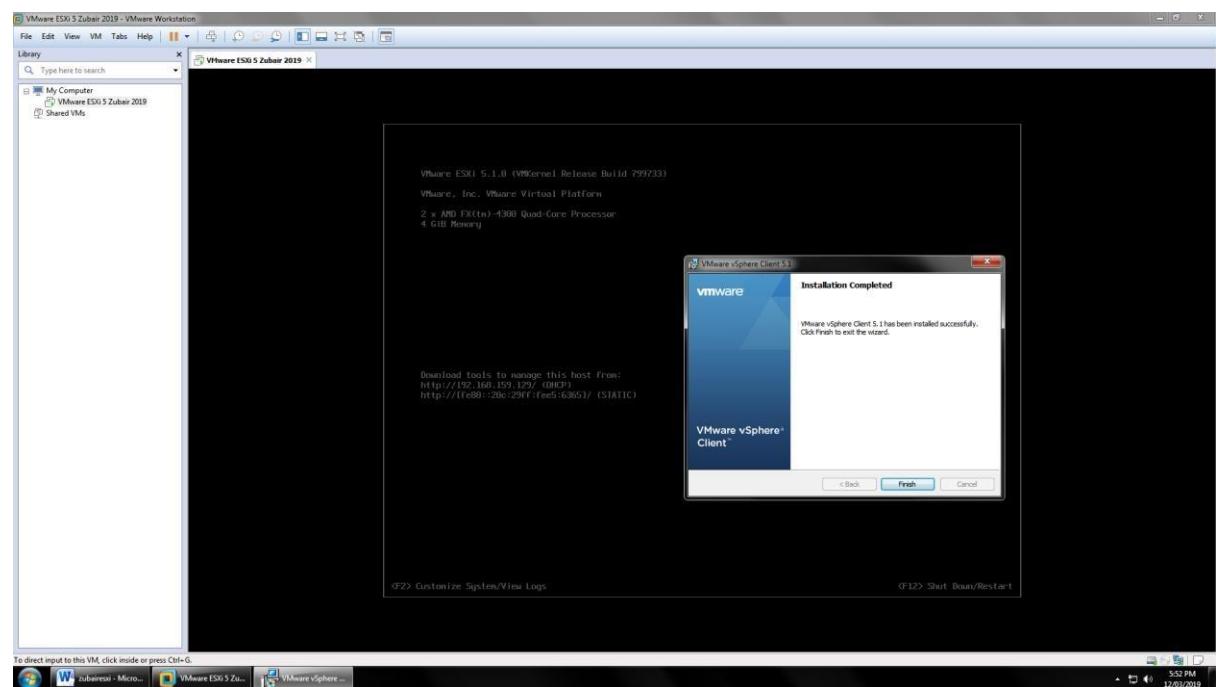
Click on Ok.



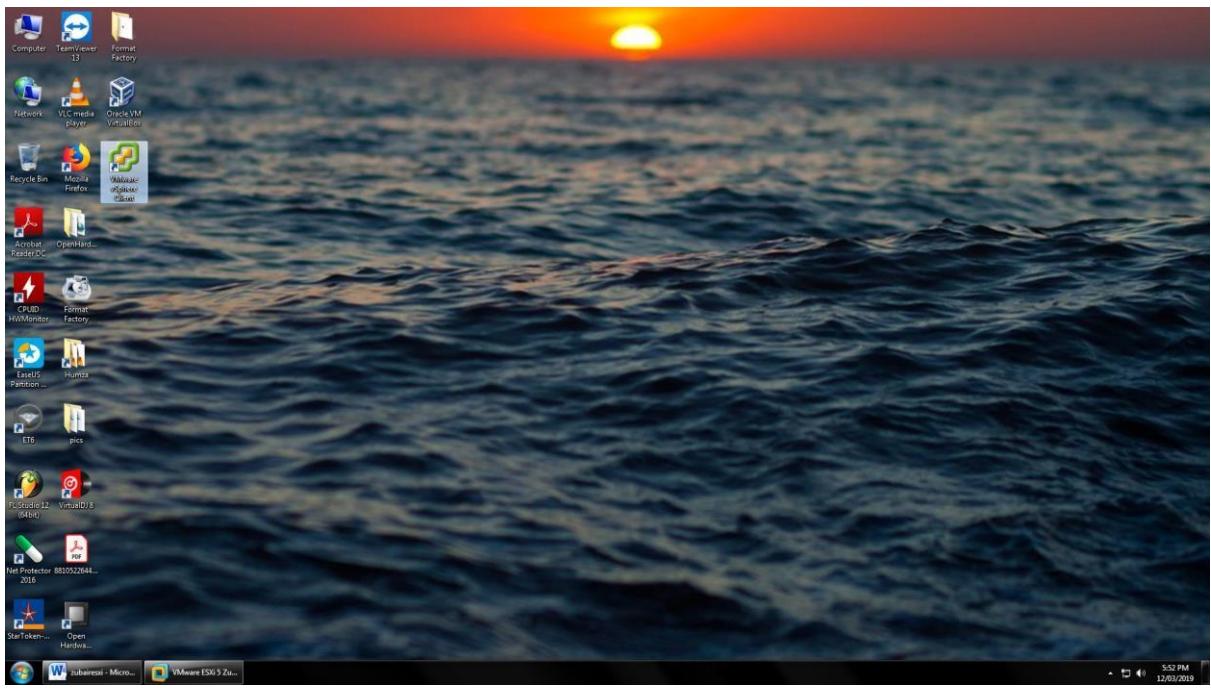
Click on Next > Click on Install.



Click on Finish.



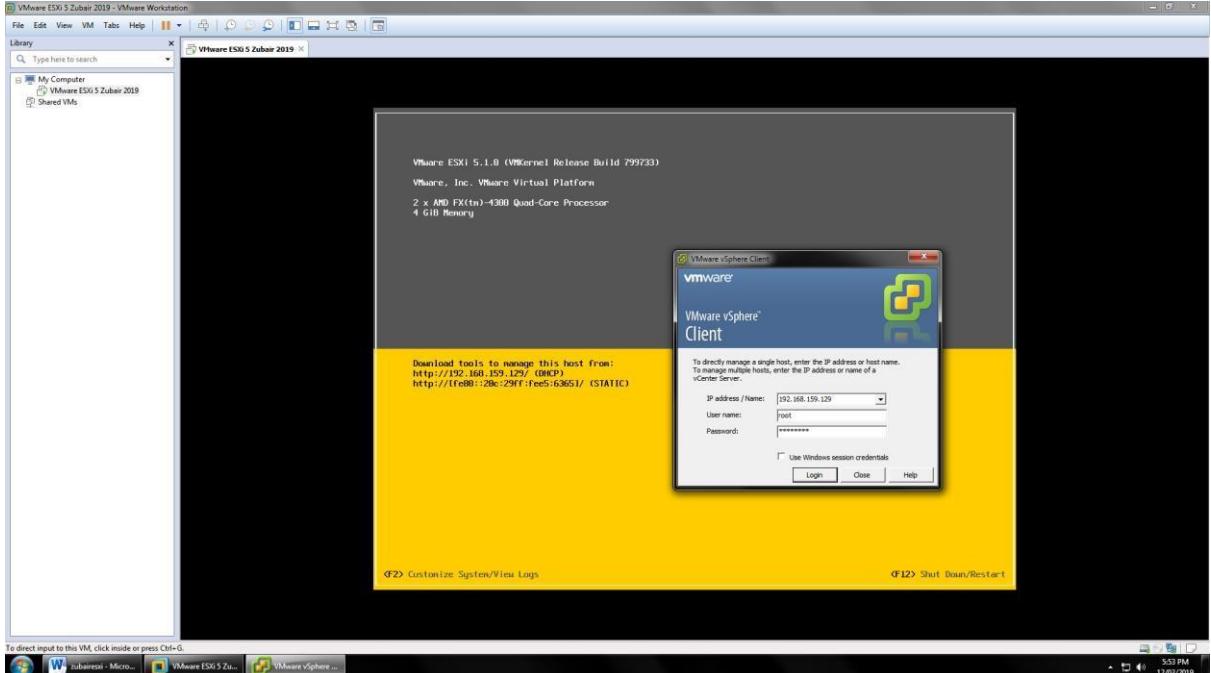
Select VMware vSphere Client shortcut on Desktop.



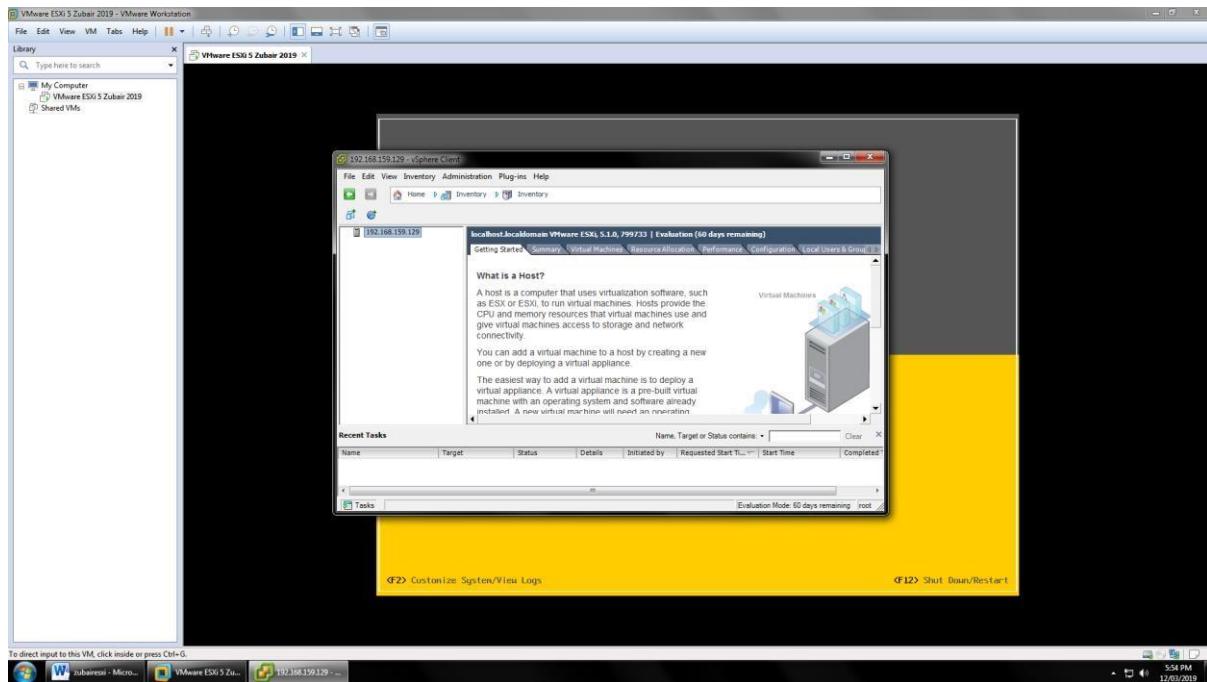
Give Ip address :- 192.168.159.129

User name :- root

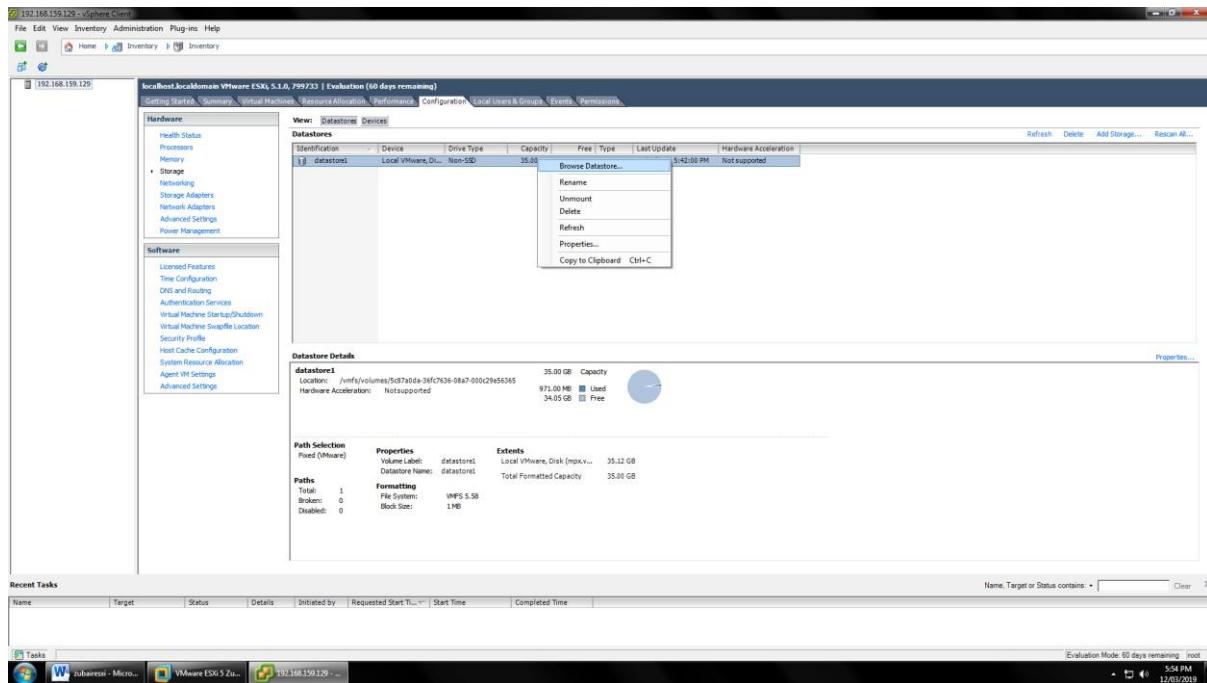
Password :- admin123



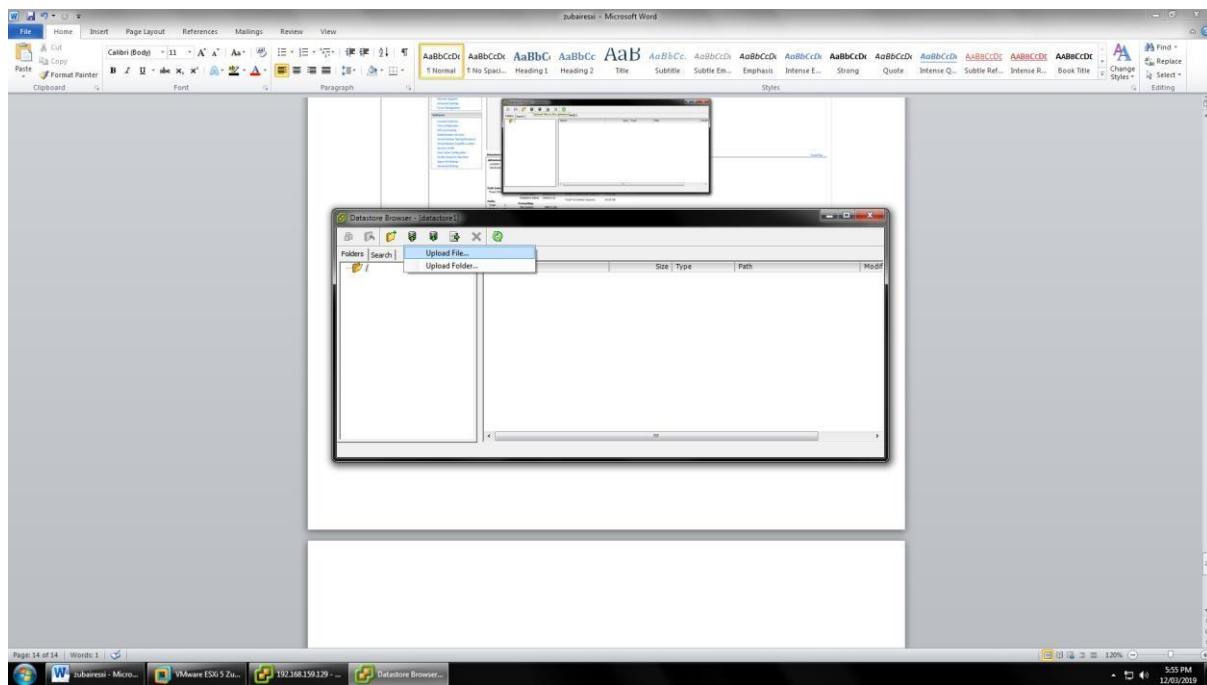
Click on Login.



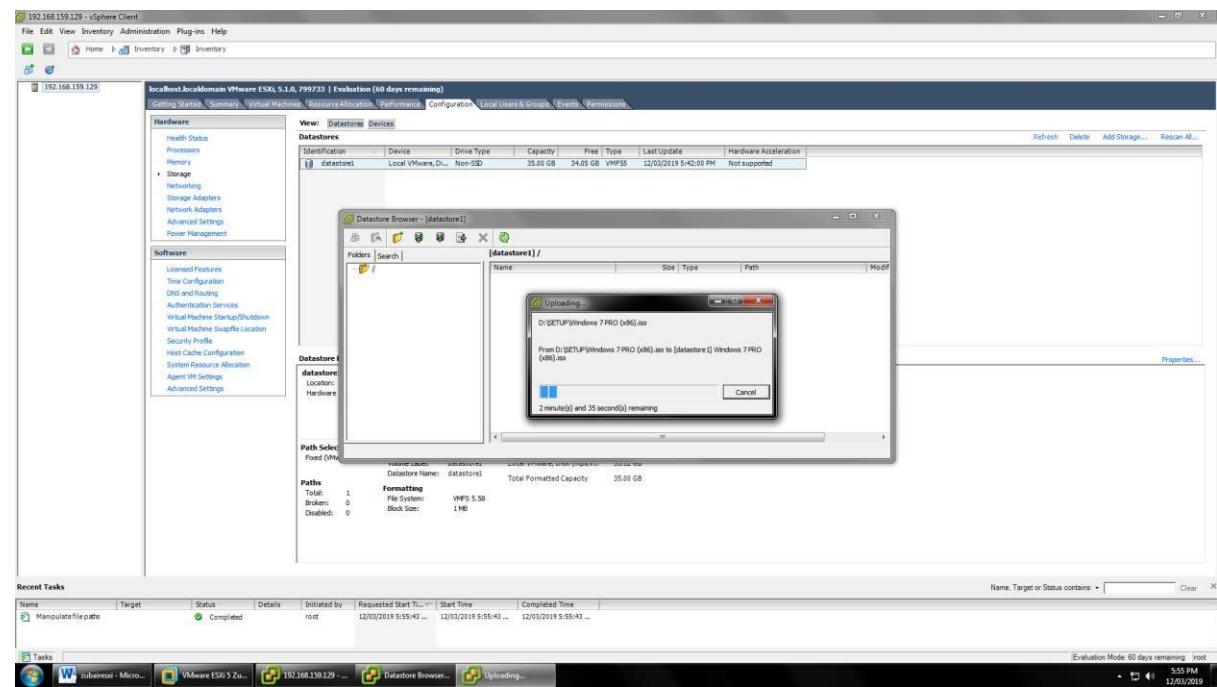
Click on Configuration Tab > Storage > (Right-Click) on datastore1 and Select Browse Datastore.



Click on Upload Icon and Select Upload File.

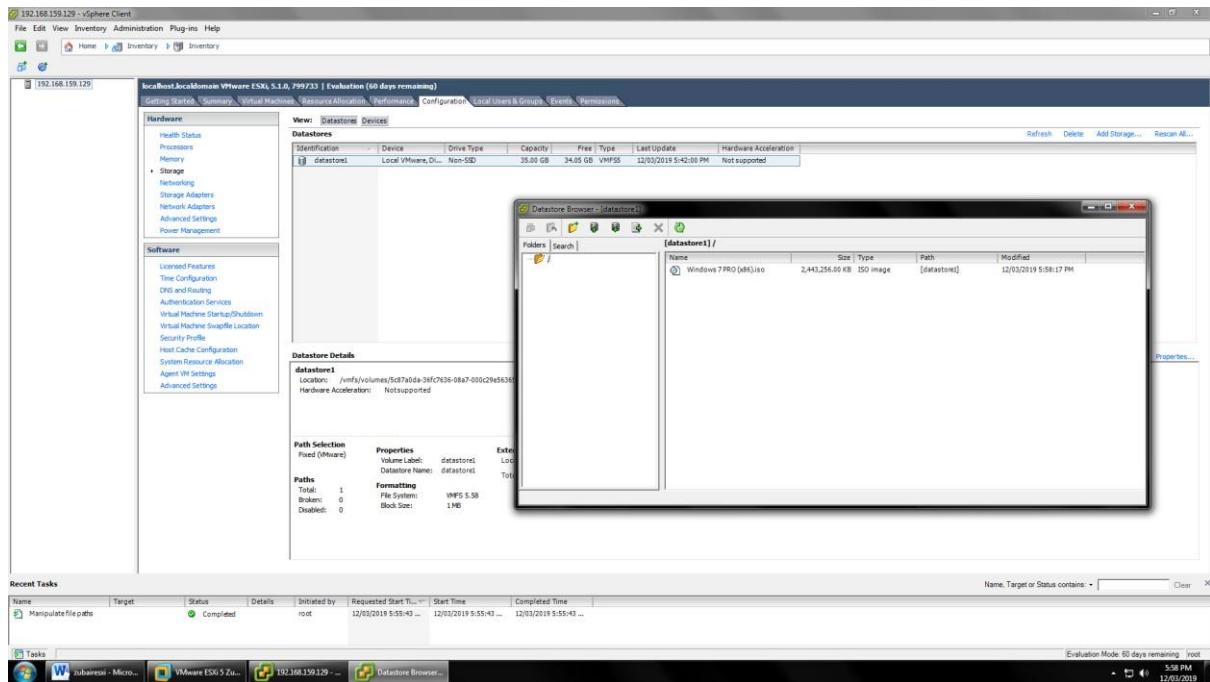


Select Windows 7 x86 Iso and Click on Upload.

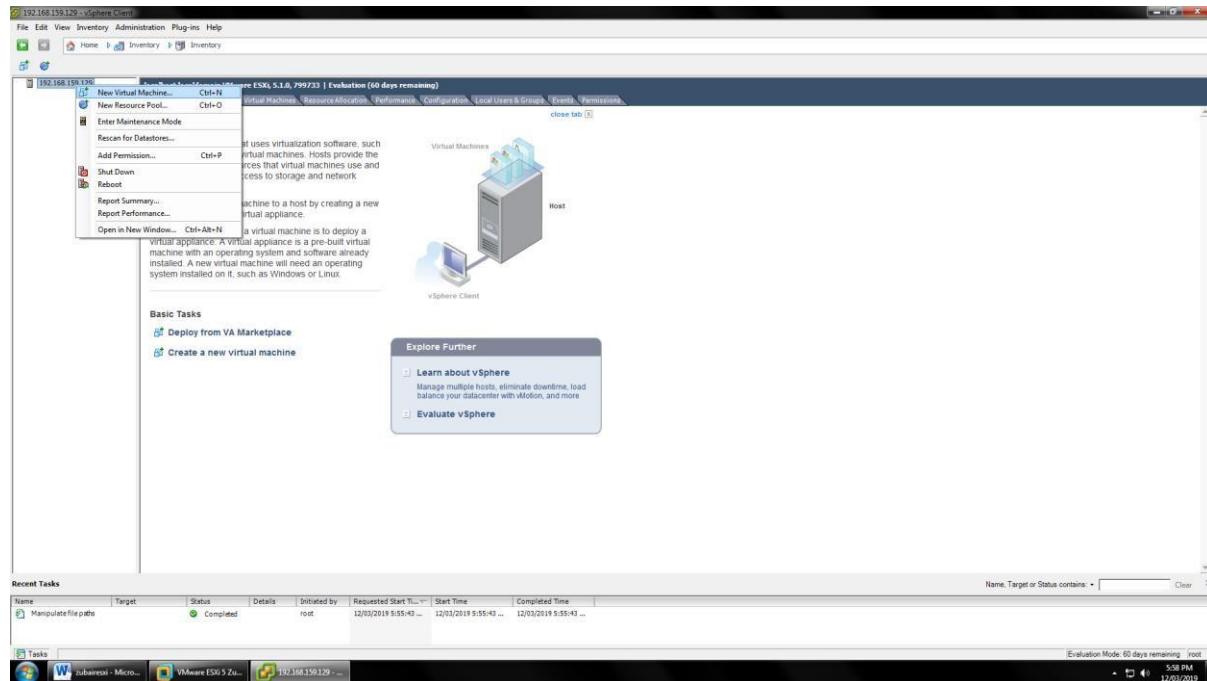


Step 27:

You can see the Windows 7 x86 iso in datastore1.

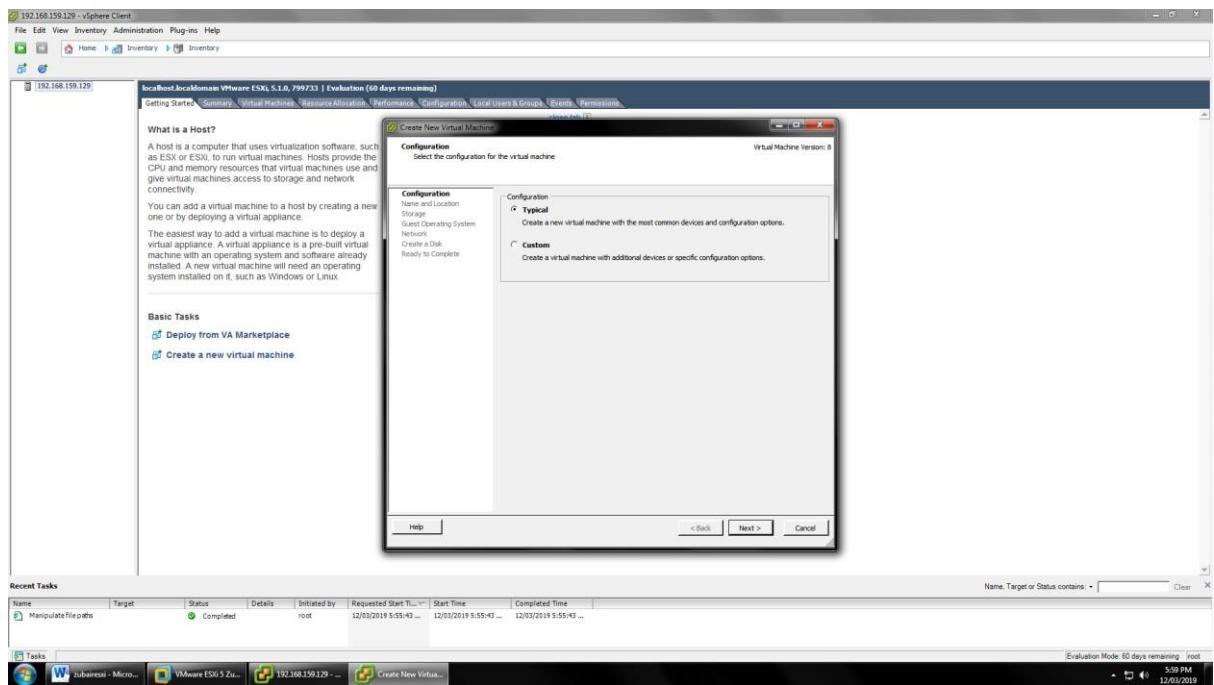


(Right-click) on Server IP > Select New Virtual Machine.

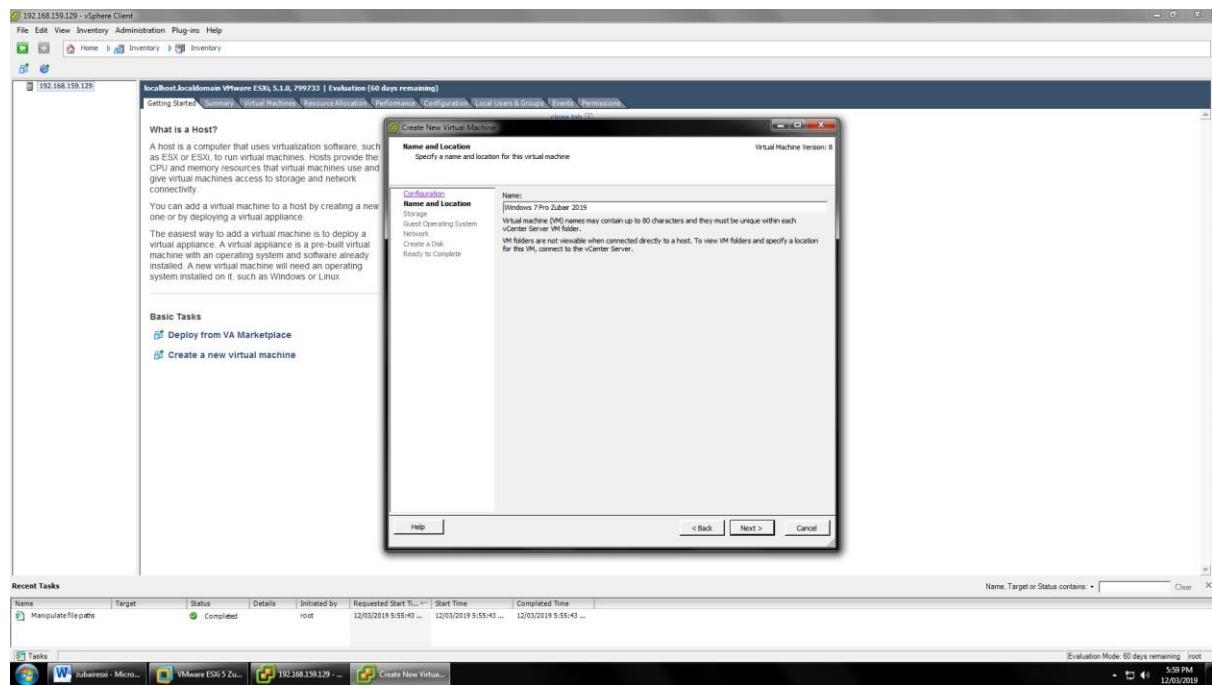


Step 29:

Select Typical.

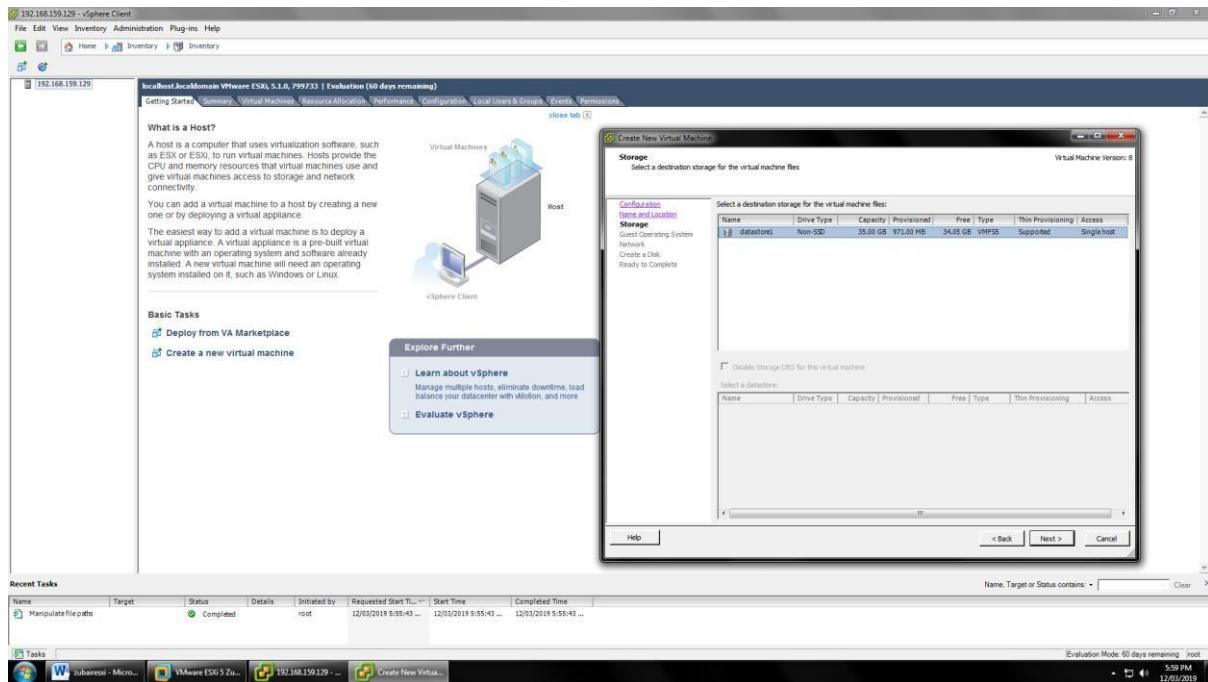


Give name :- Windows 7 Pro Zubair 2019>Next.

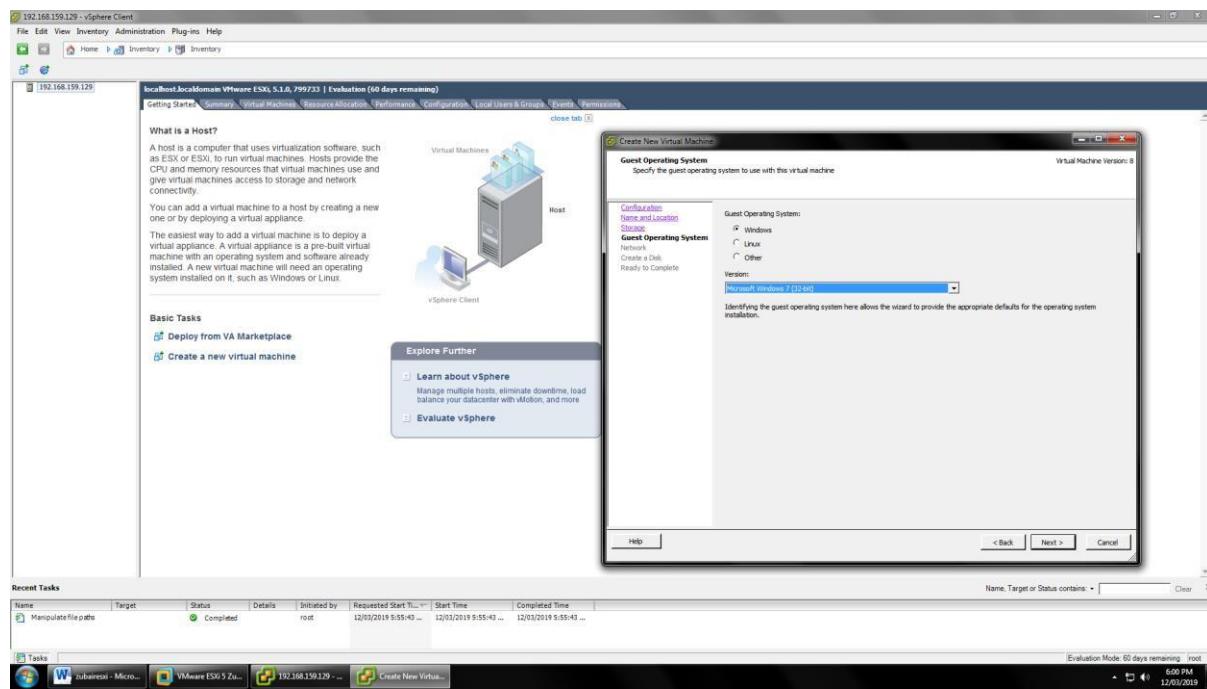


Step 31:

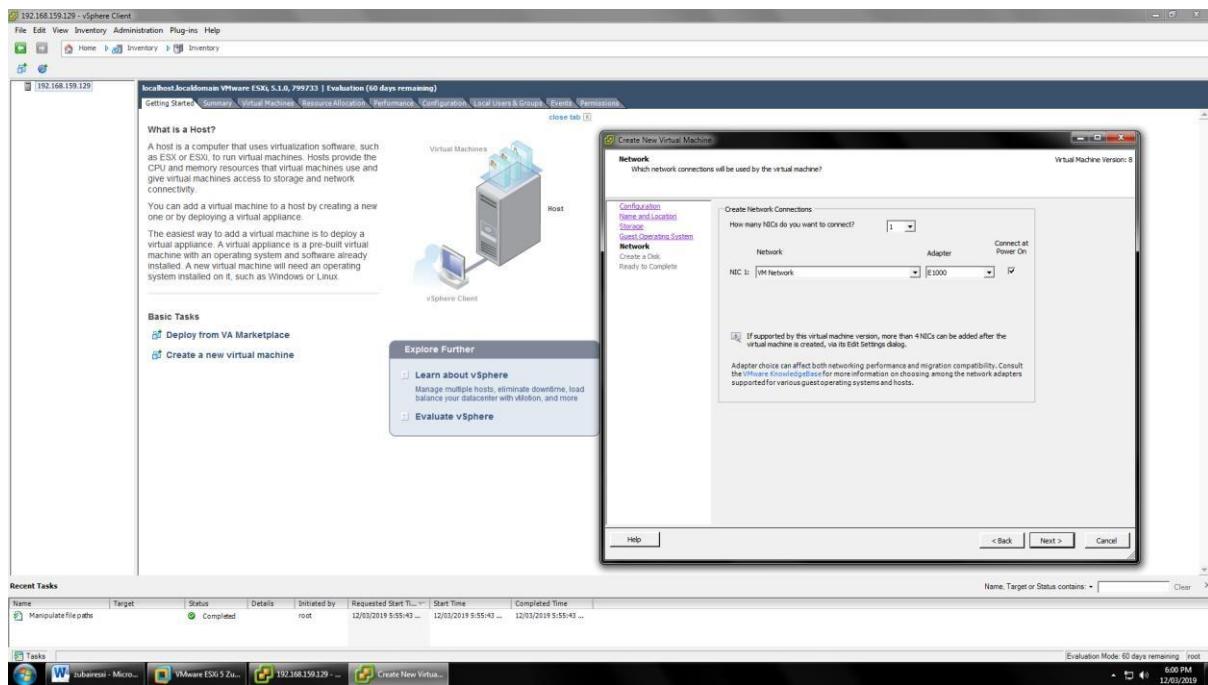
Select the datastore1>Next



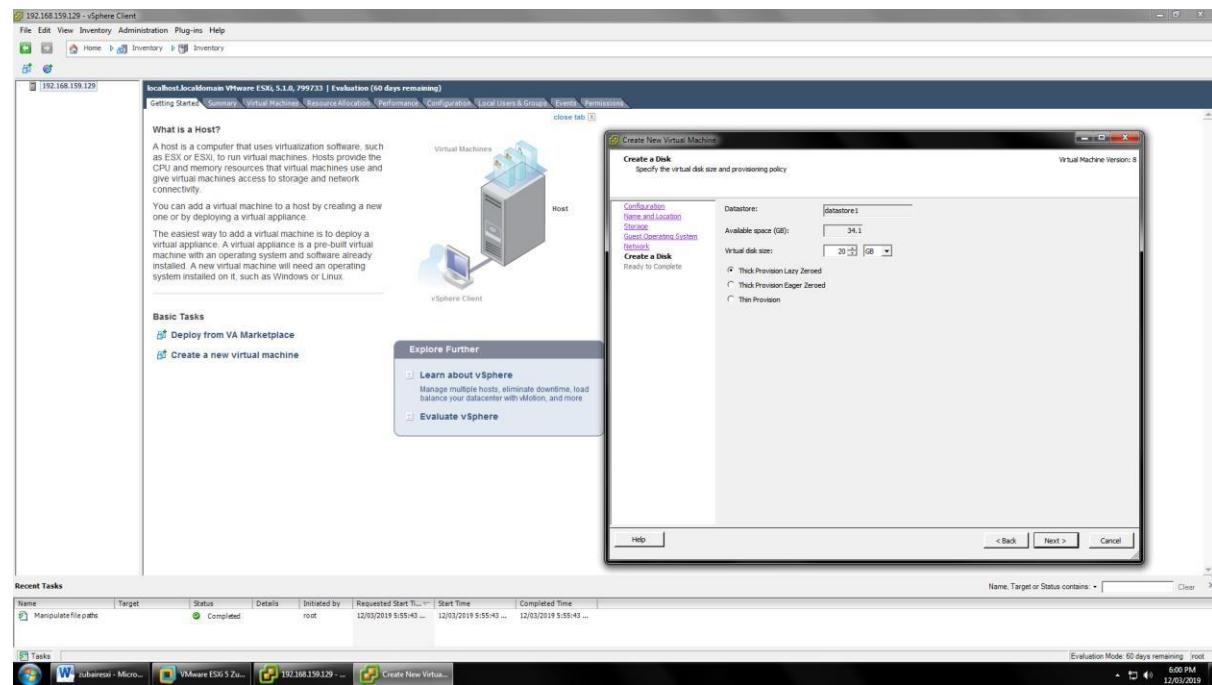
Select Windows as Guest O.S and select Windows 7 (32-bit).



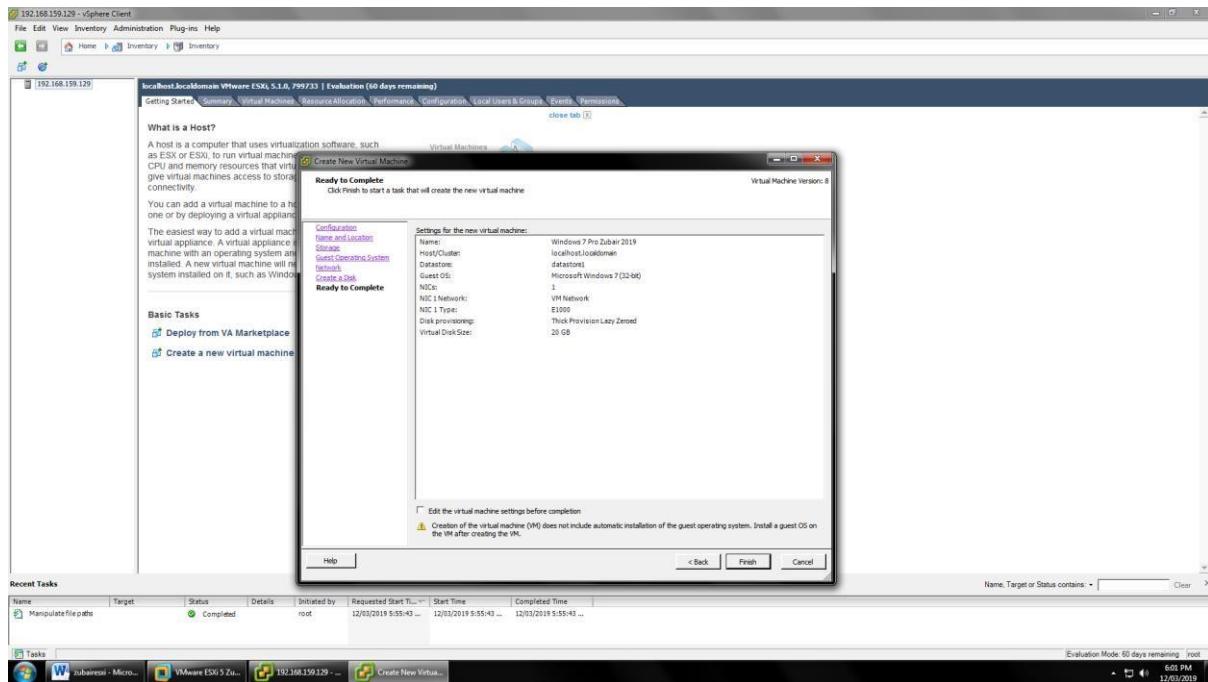
Leave as default.



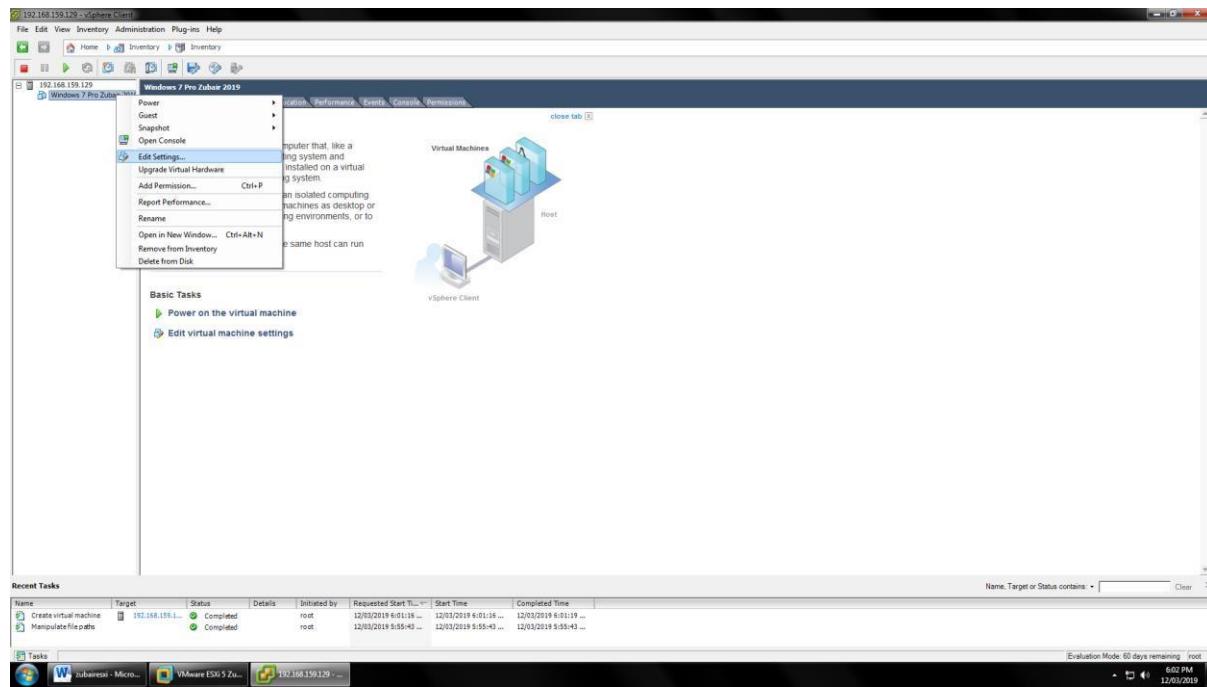
Give Virtual disk size as 20Gb > Next.



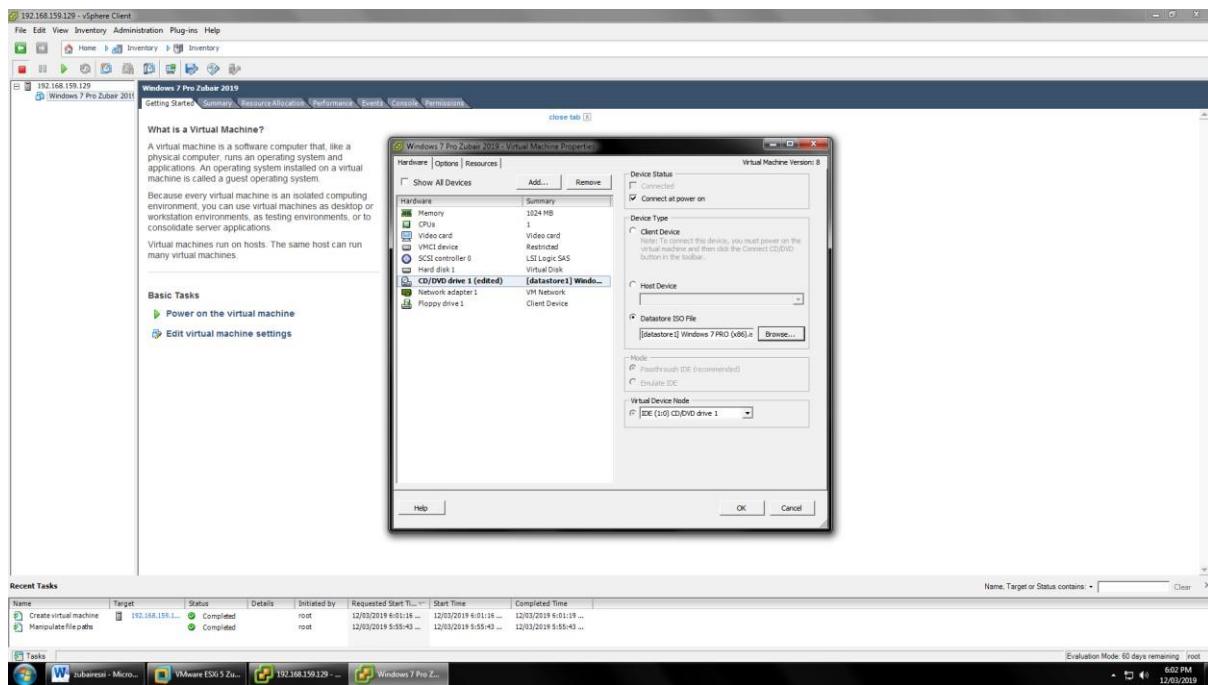
Click on Finish.



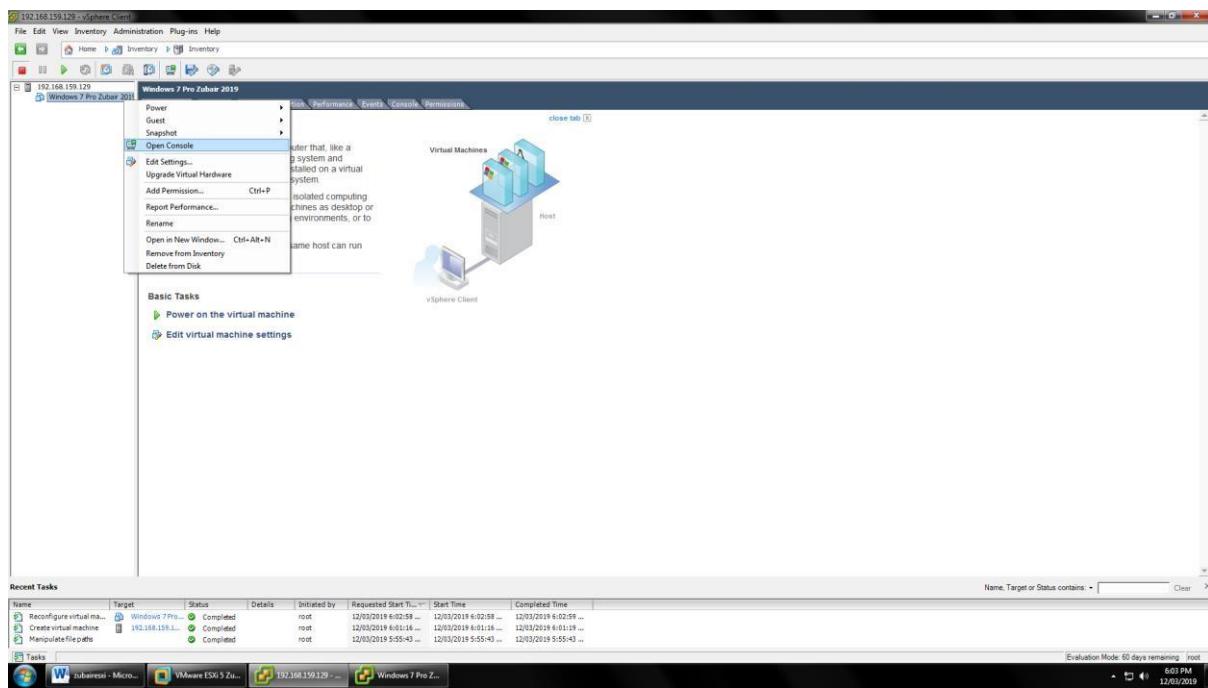
Right-Click on Windows 7 Pro under Server Ip and Select Edit Settings.



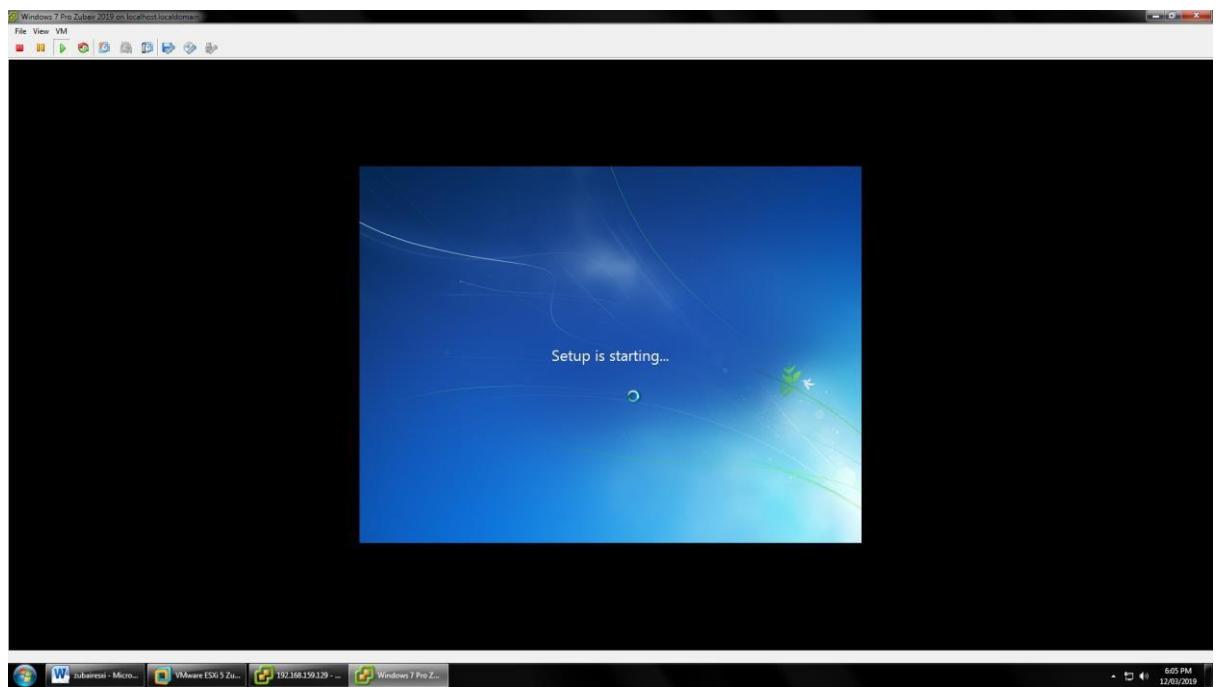
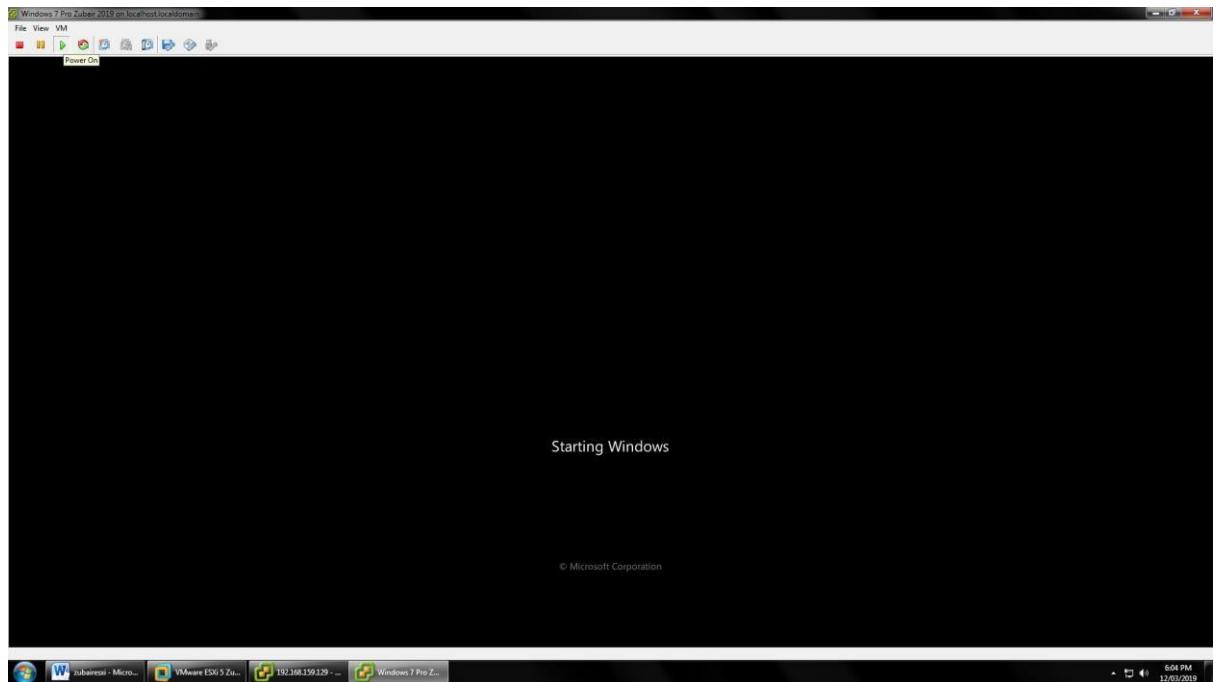
Go to CD/DVD drive 1 and select Datastore ISO file and Select your Windows 7 iso file Also check the Connect at power on option > Click on Ok.



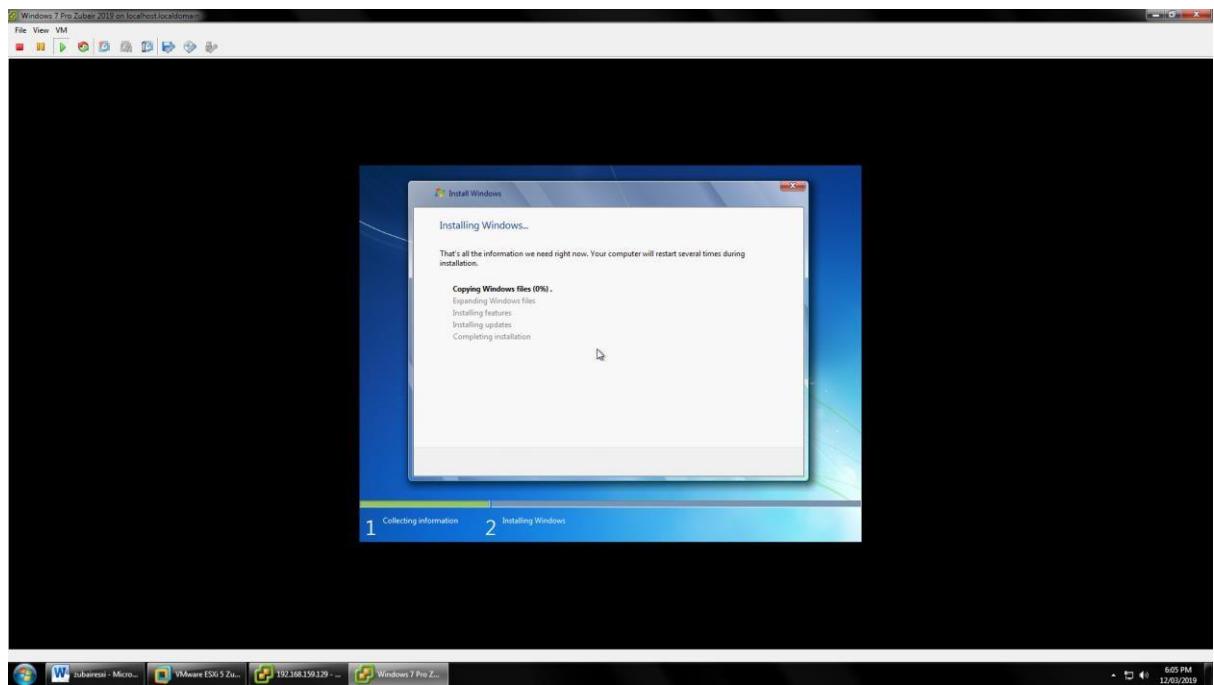
Right-Click on Windows 7 Pro under Server Name and Select Open Console.



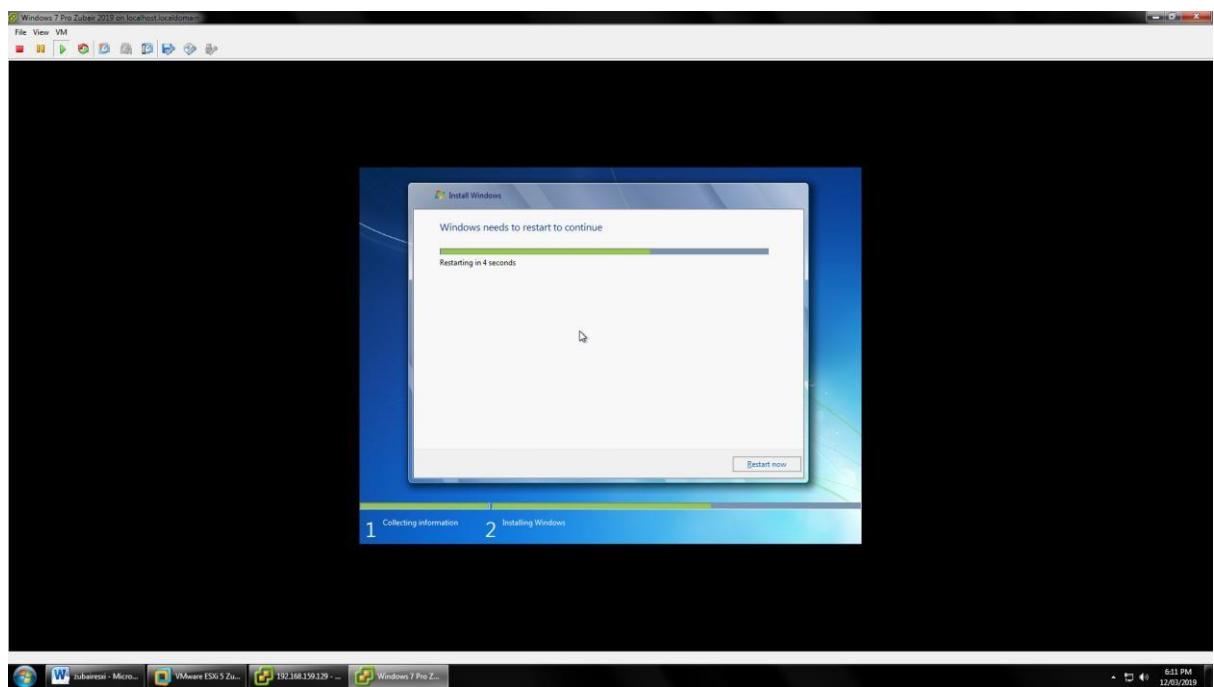
Click on Power On > Windows will start for first time.

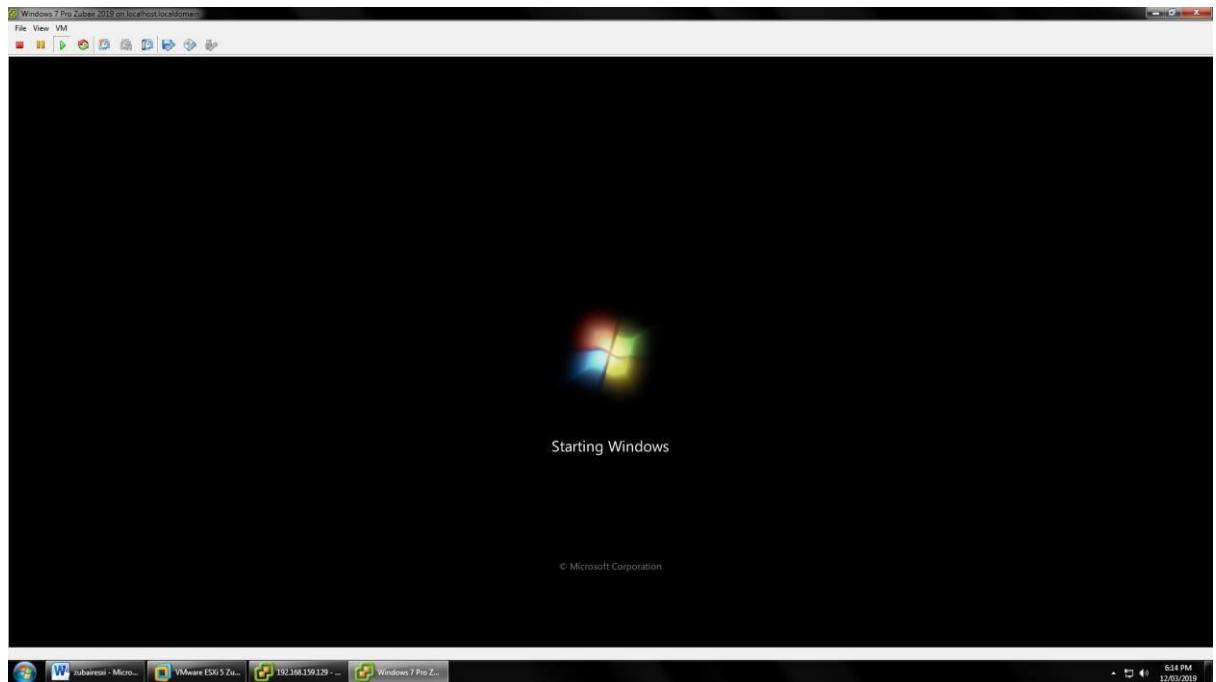


Click on Next Until this screen > Windows in installing.

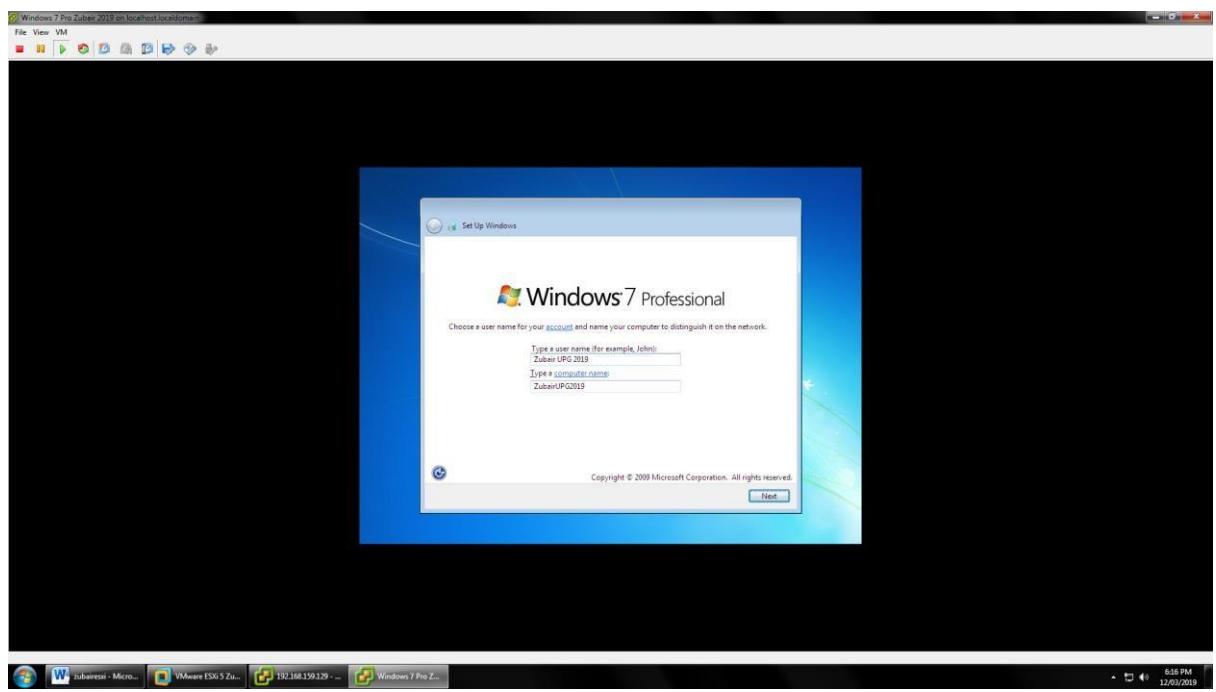


After install it will Reboot.

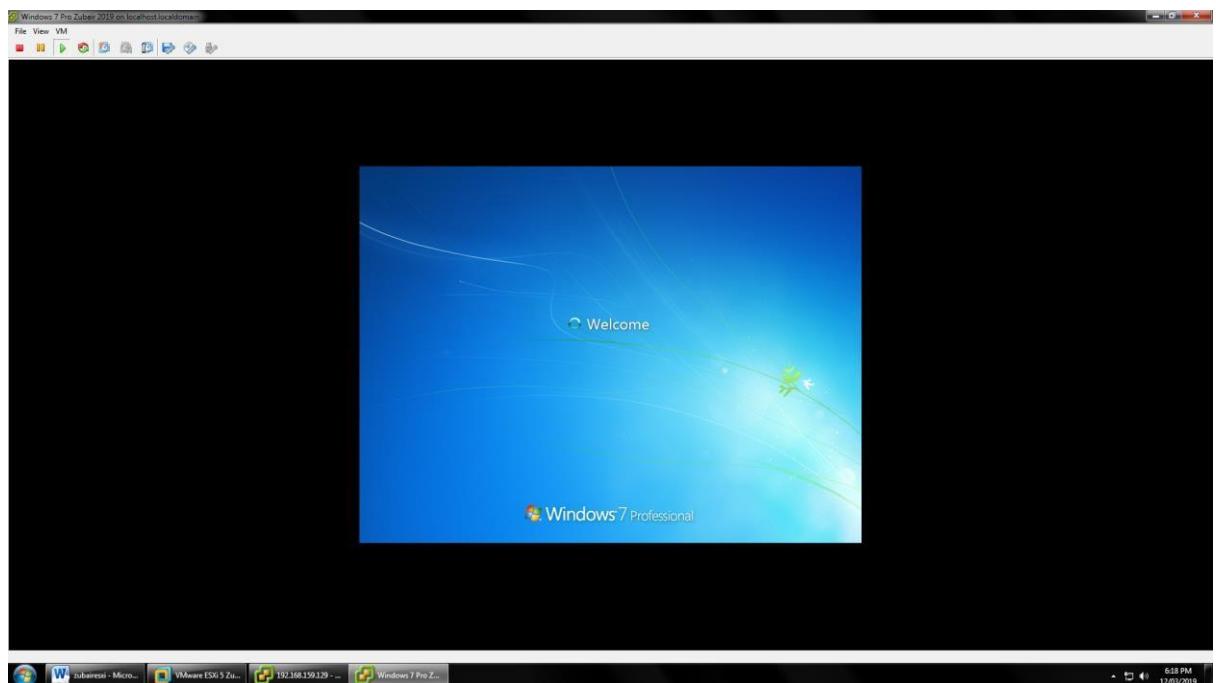
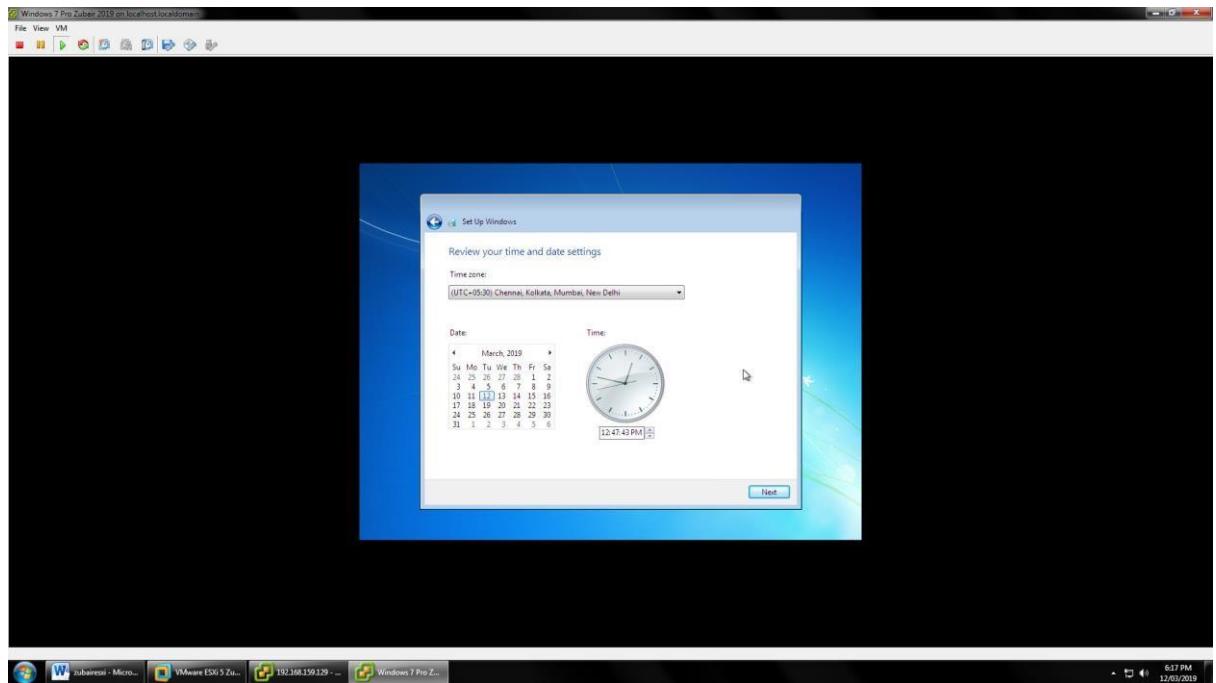




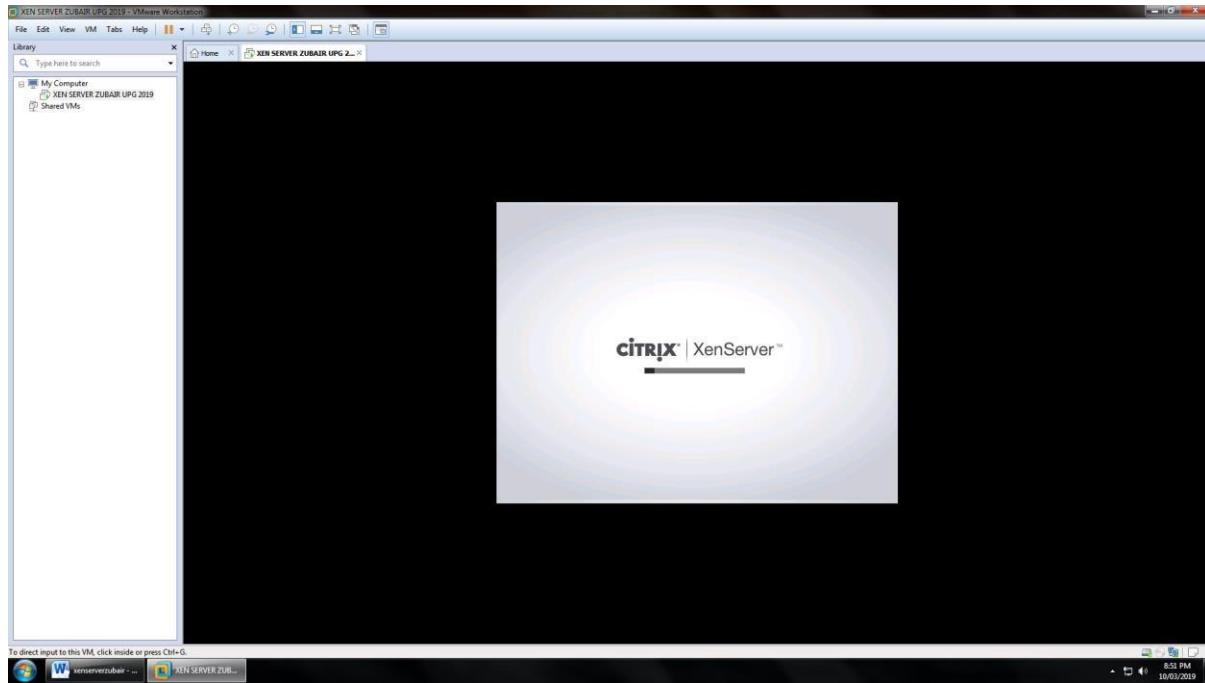
Give name to Machine :-



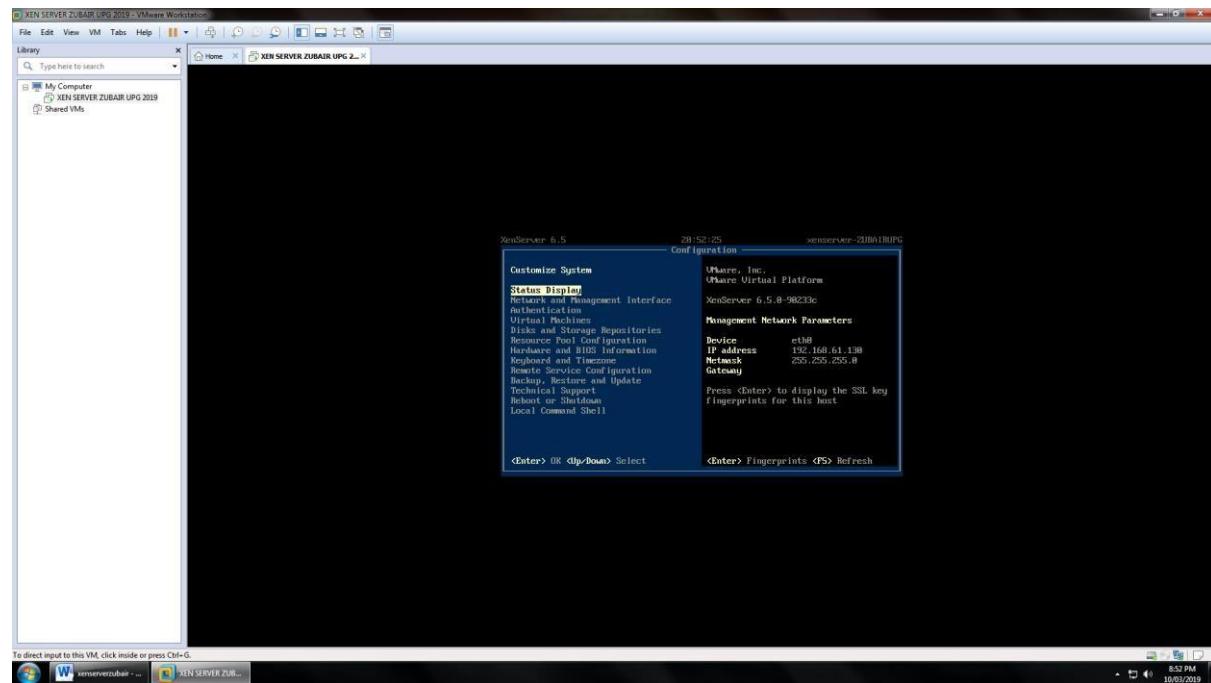
Select Clock as (UTC +5:30).



Configuration of Citrix Xenserver

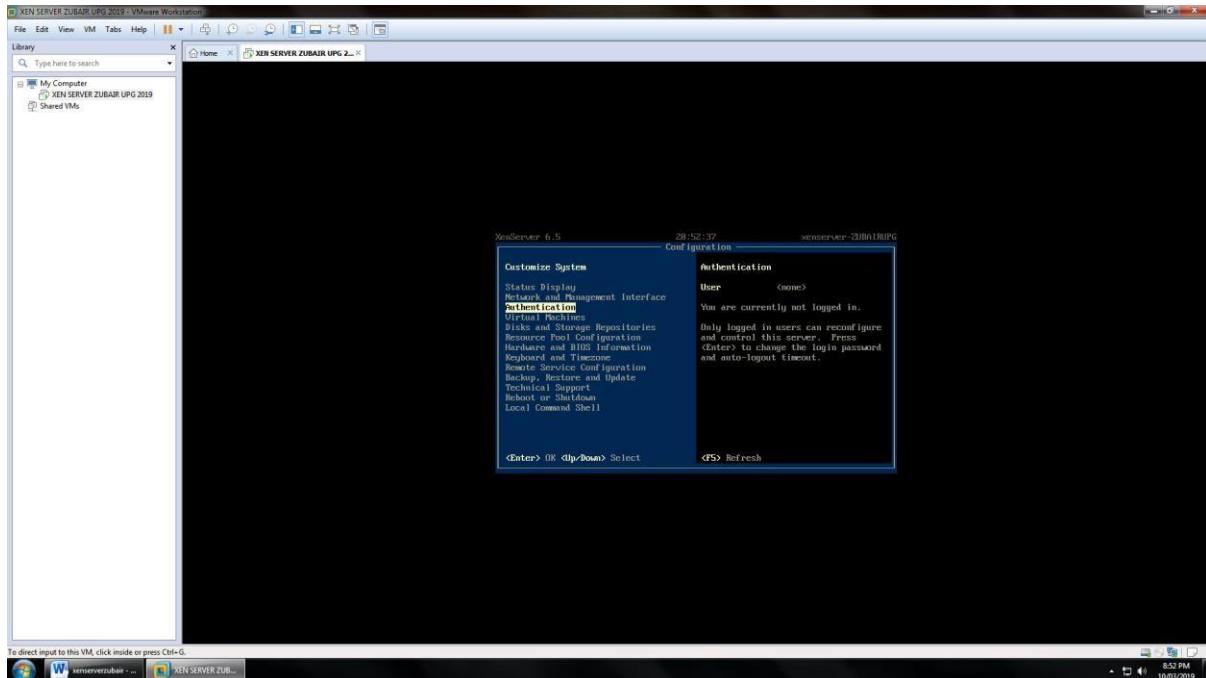


Make note of Ip Address provided :- 192.168.61.138

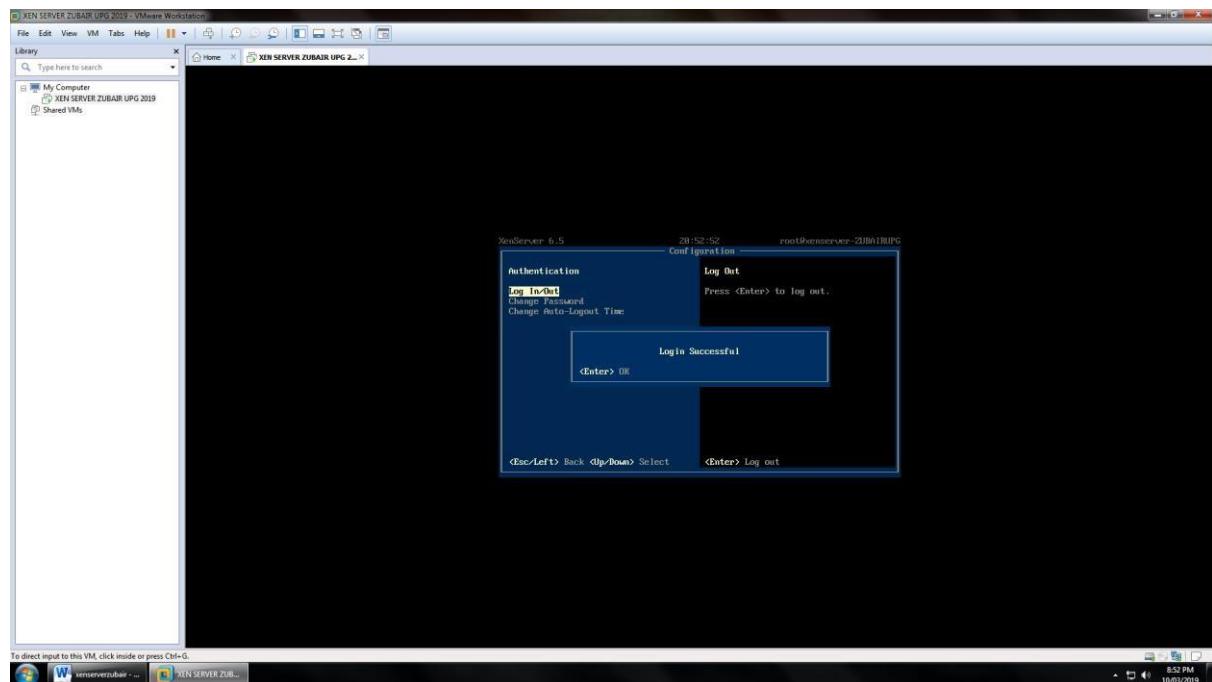


Step 34:

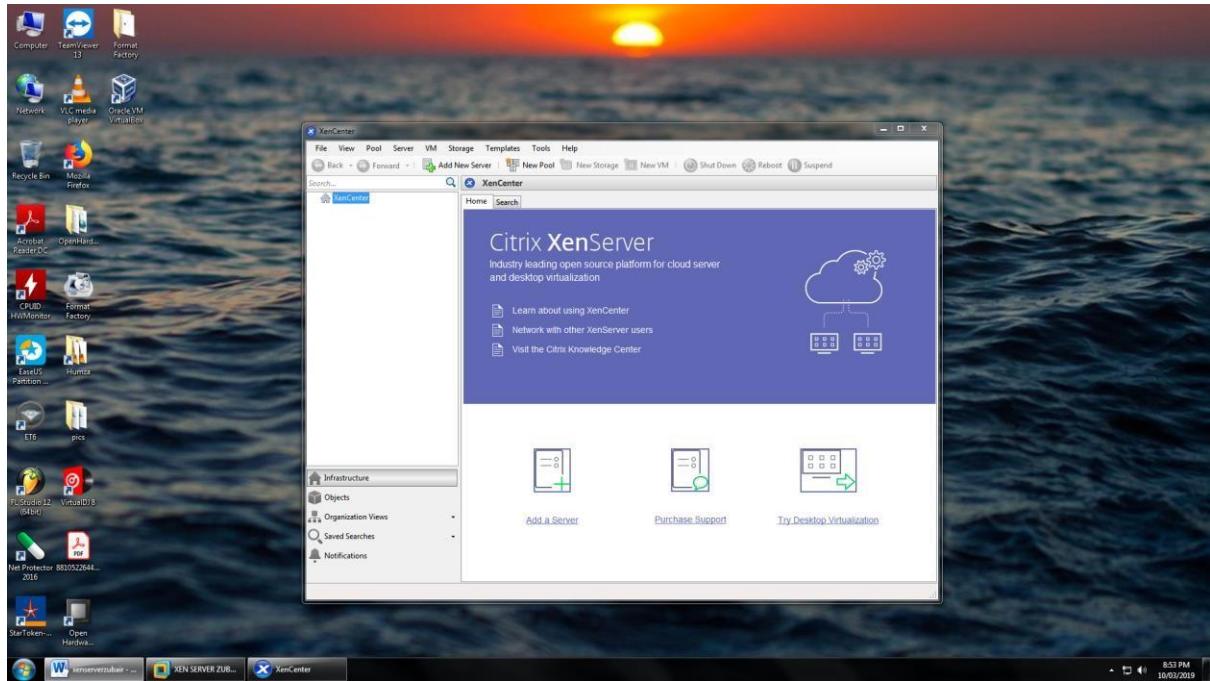
Go to Authentication Tab



Write the Password :- admin123456



Open Citrix Xen Server Management Program



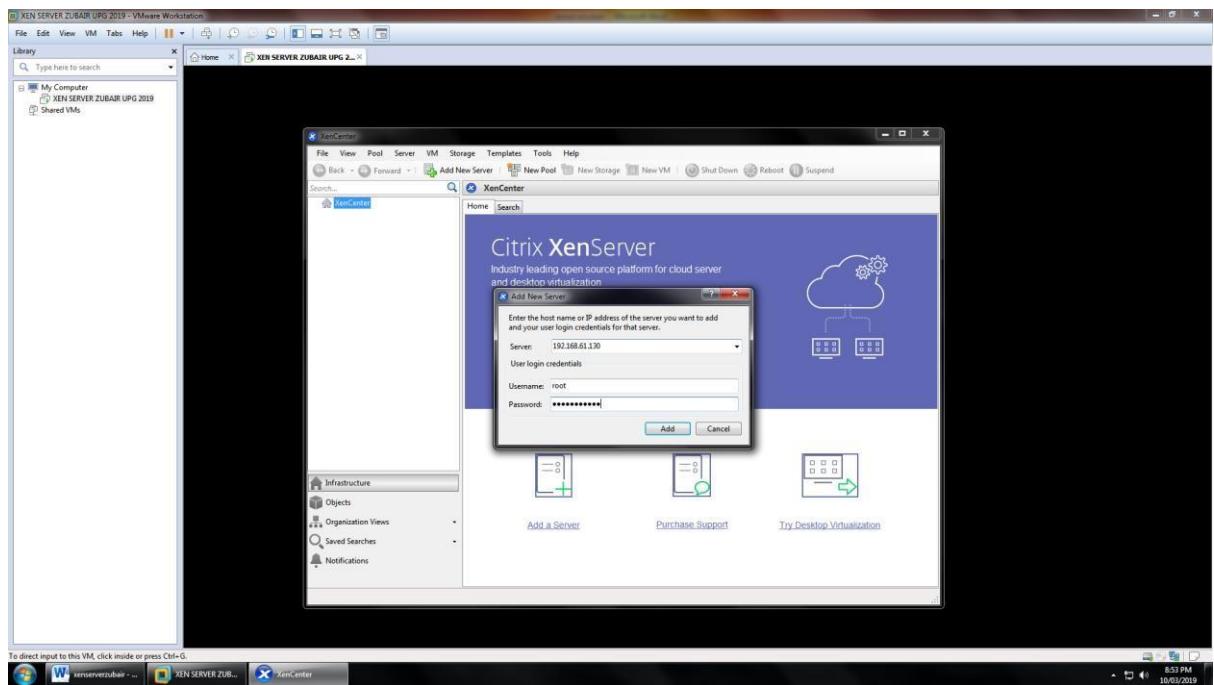
7:

Click on “New Server” and enter the following details:

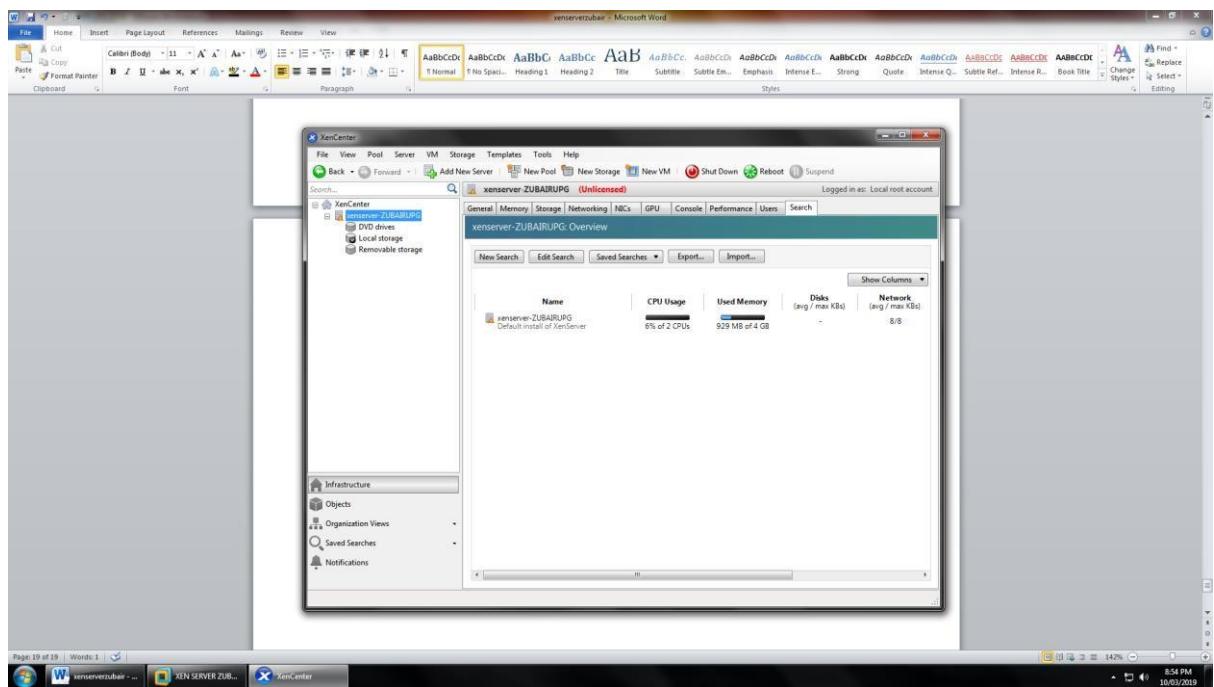
Server : 192.168.61.138

Username :- root

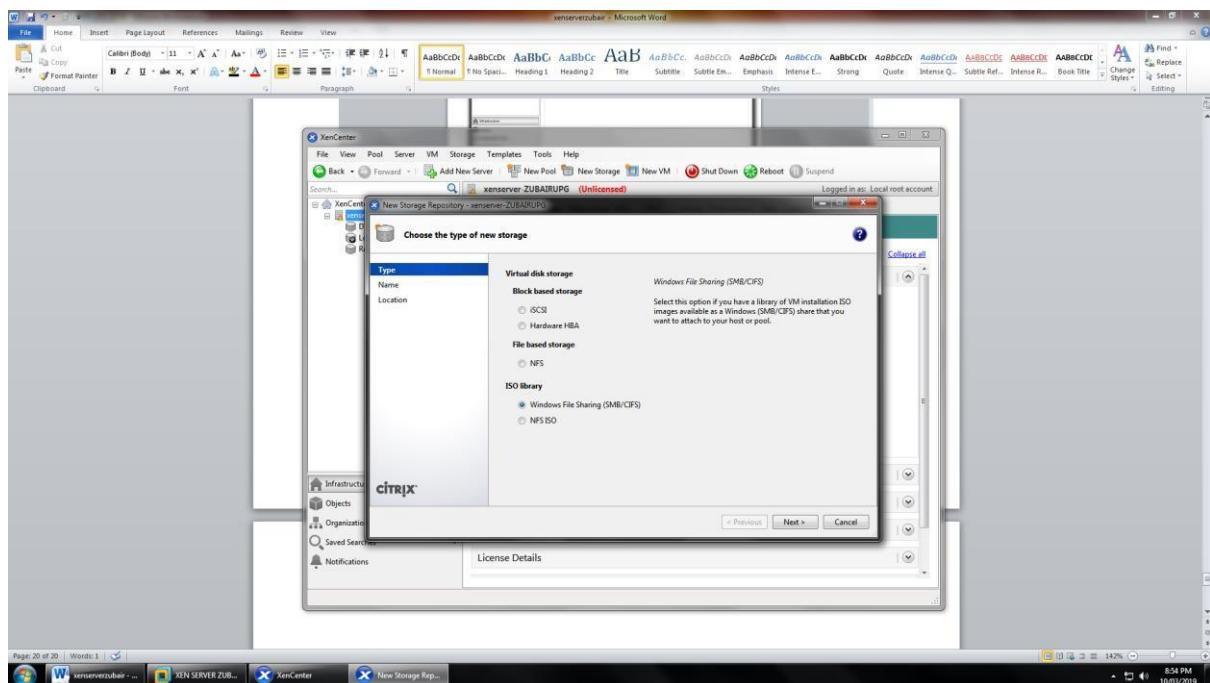
Password :- admin123456



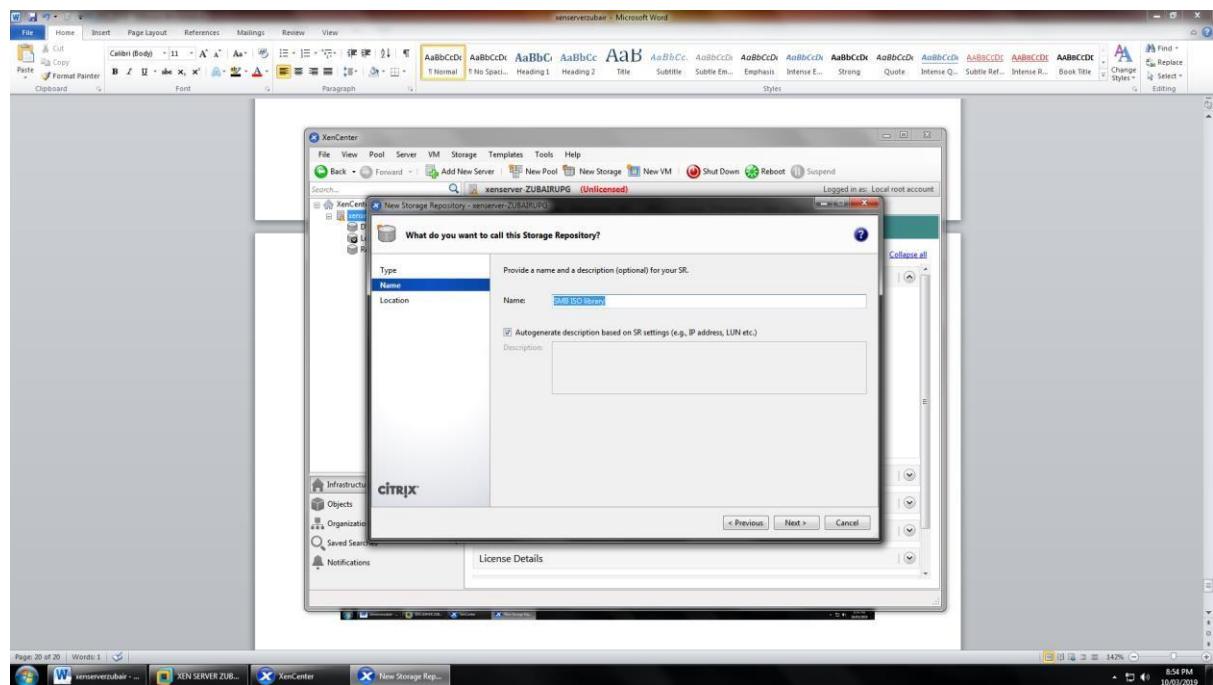
Your Xen Server Machine is Added.



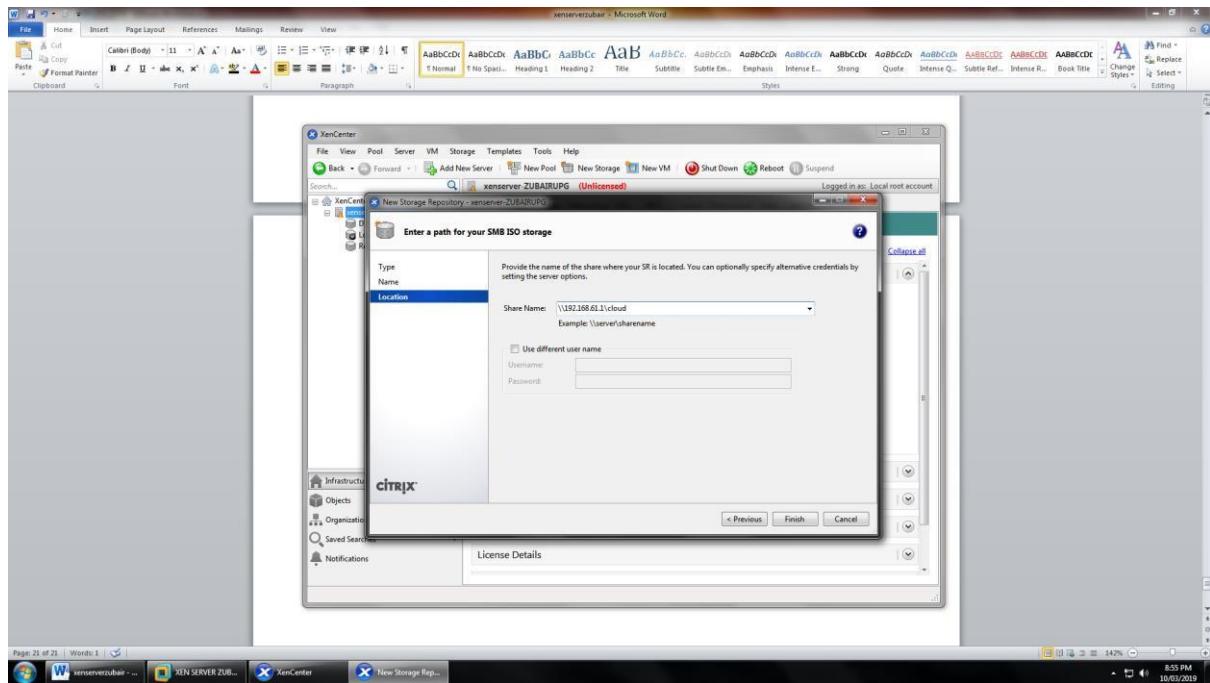
Click on New Storage Button and Select Windows File Sharing (SMB/CIFS).



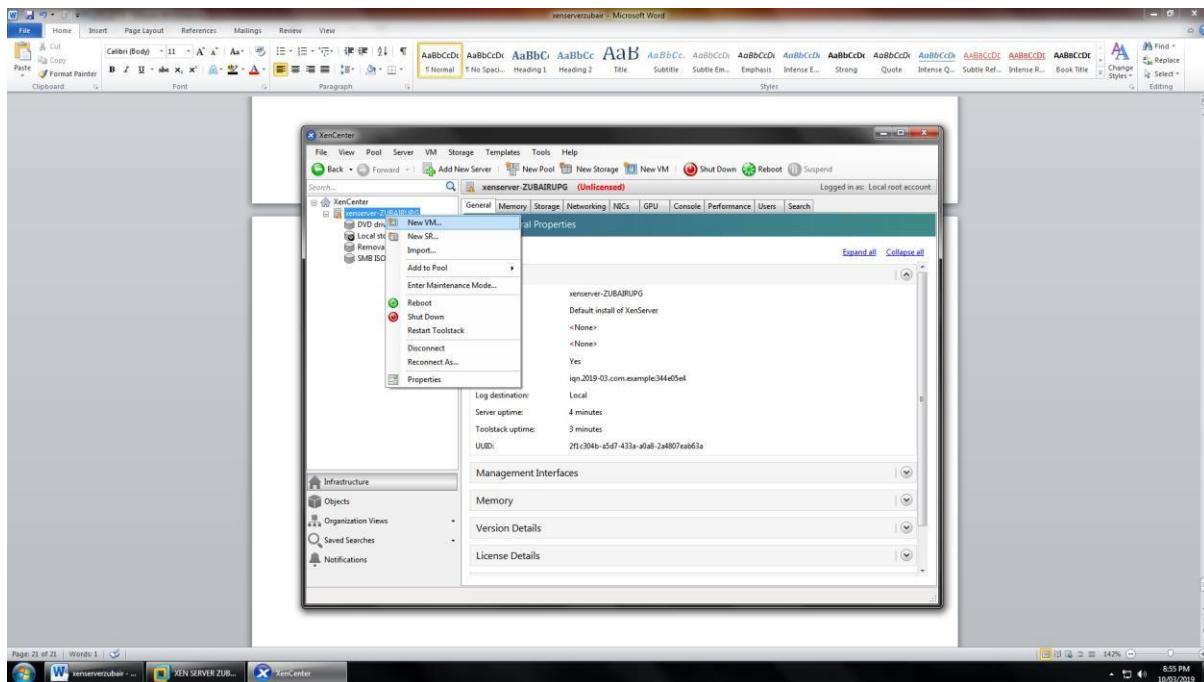
Leave as default and click on Next.



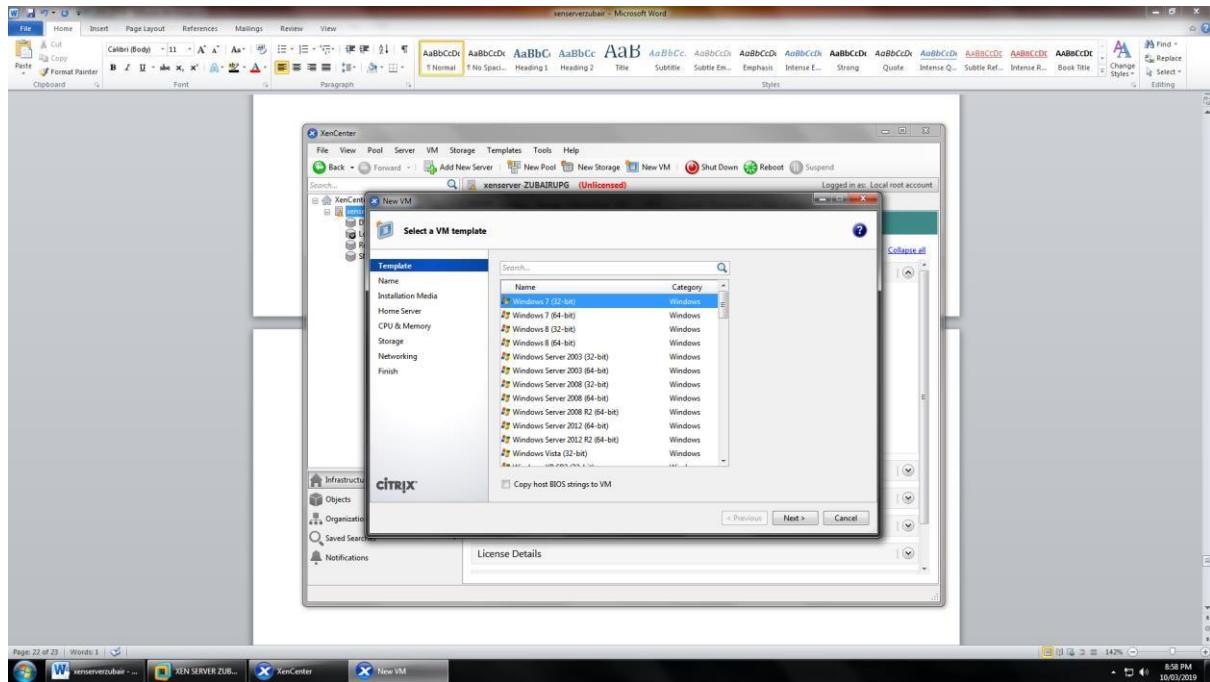
Share name :- \\192.168.61.1\cloud and click on Finish.



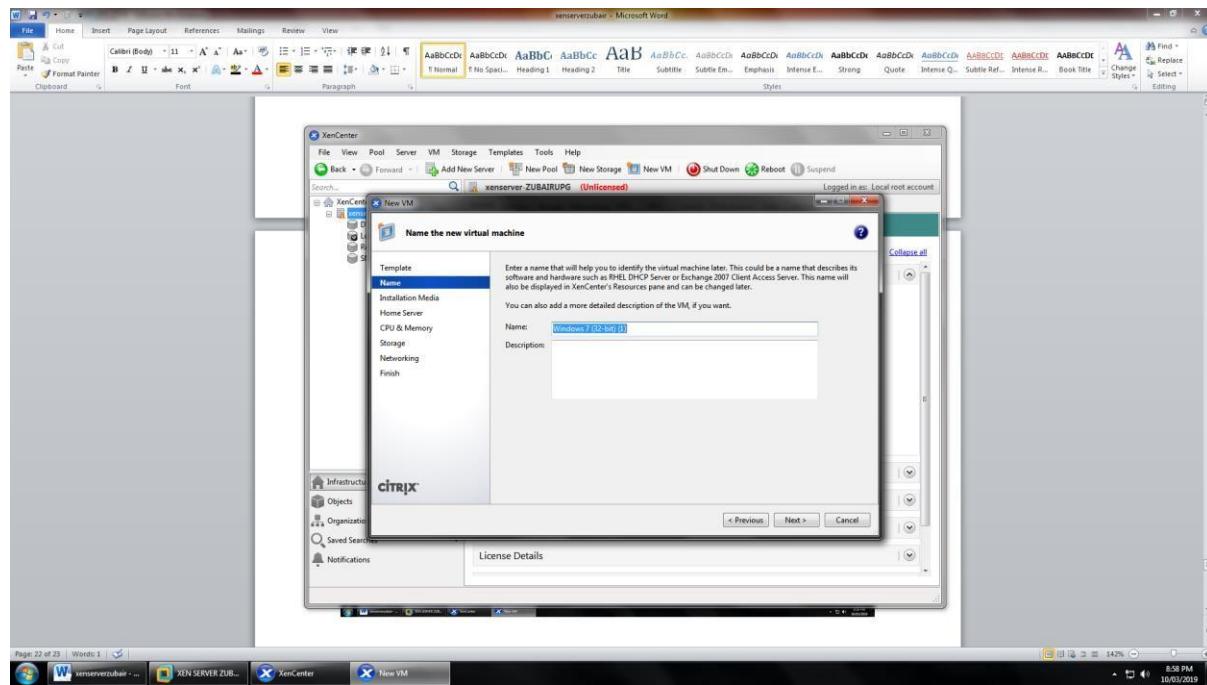
Right-Click on Added Server and Select New VM.



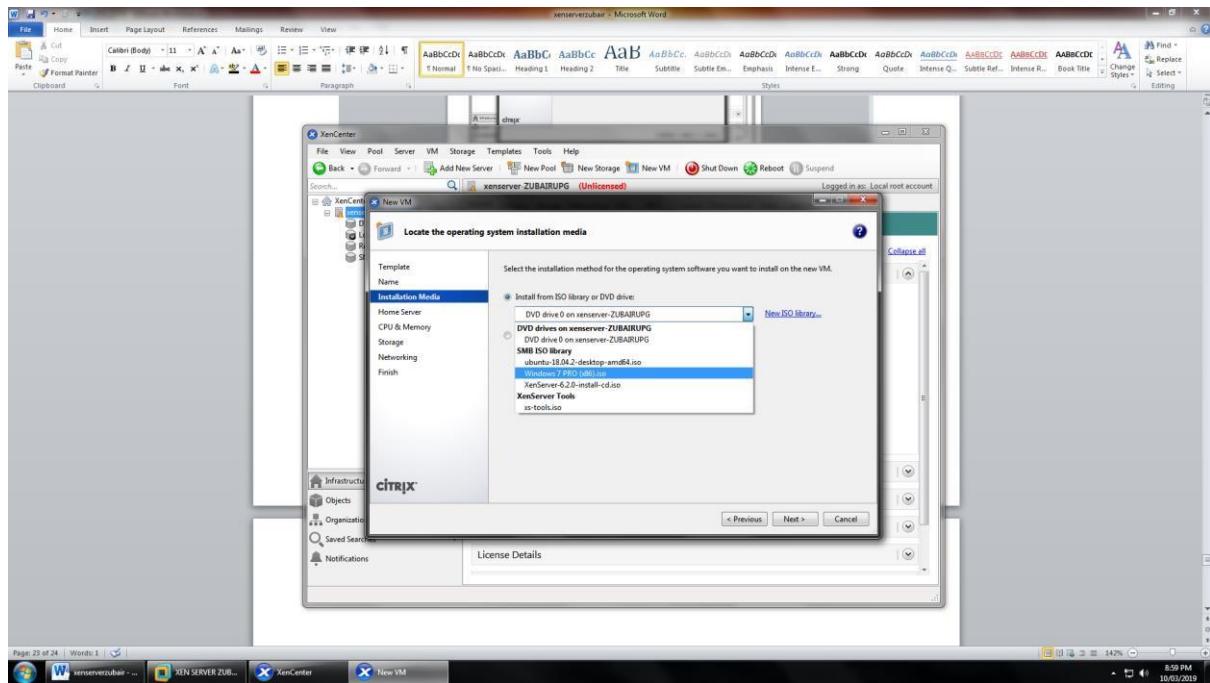
Select Windows 7 (32-Bit) and click on Next.



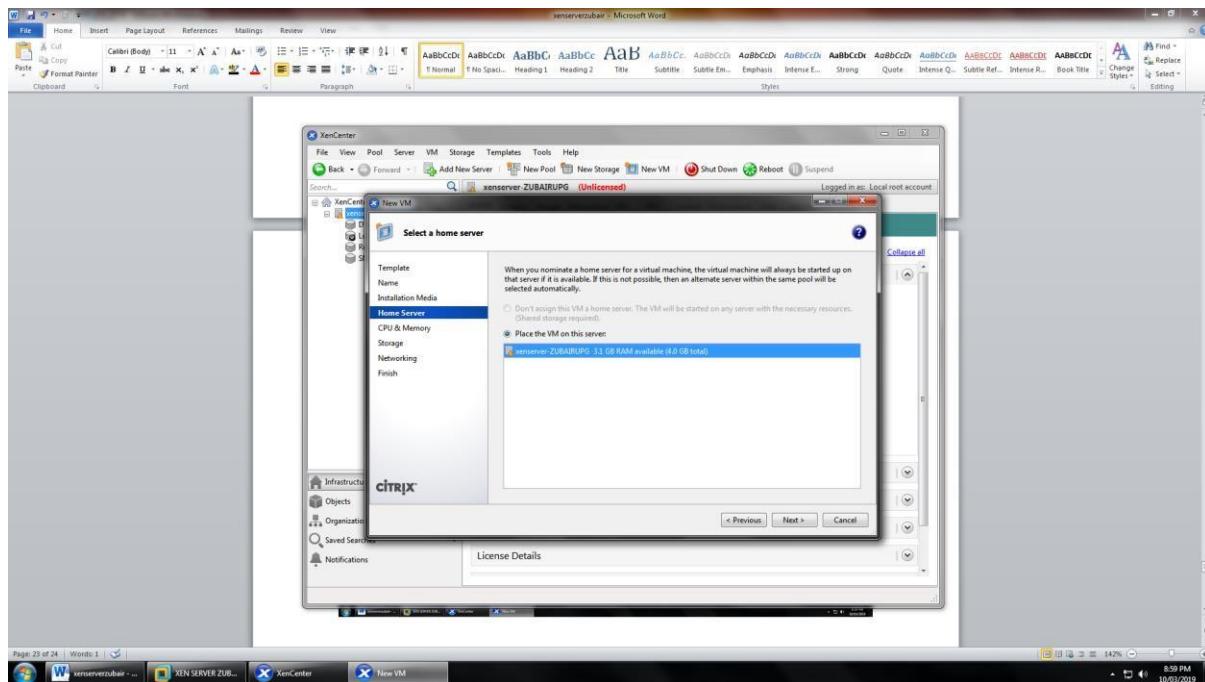
Click on Next.



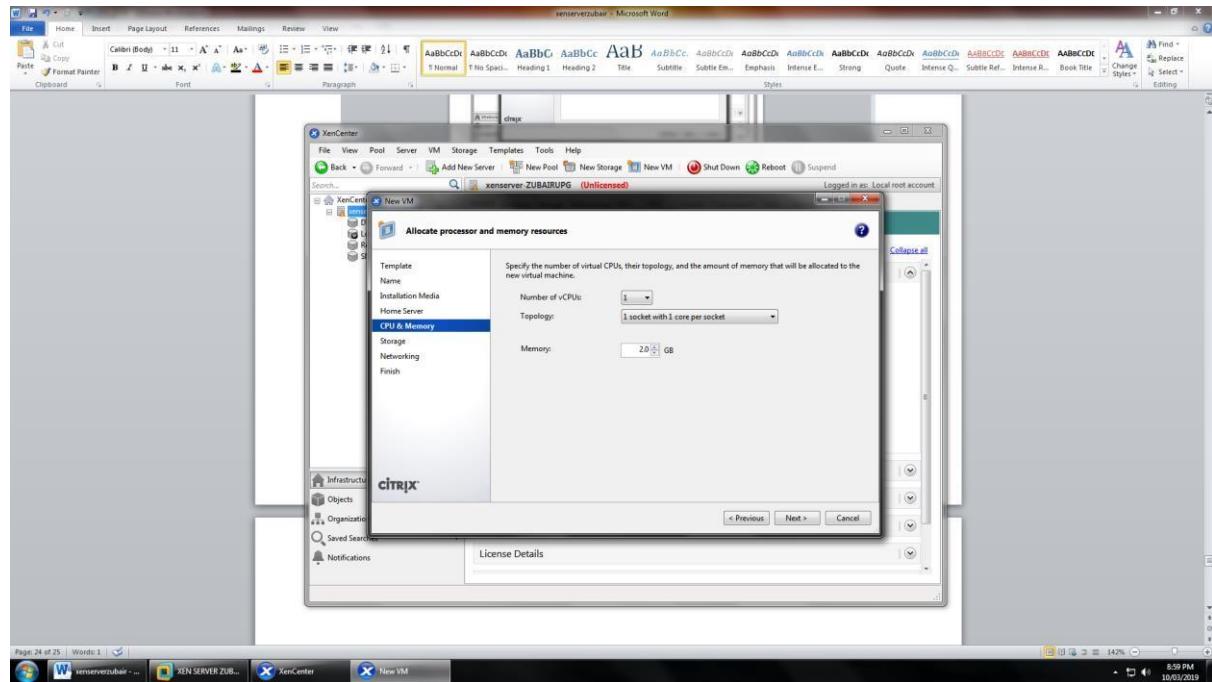
Select Windows 7 Iso from your shared folder and click on Next.



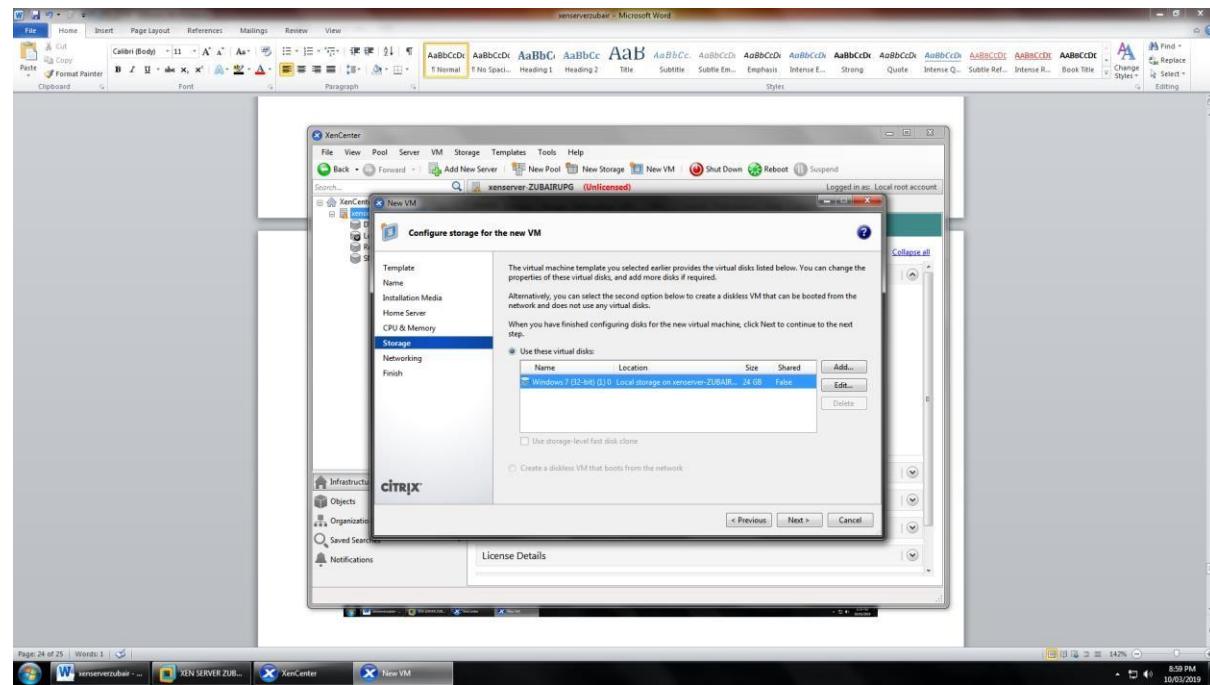
Click on Next.



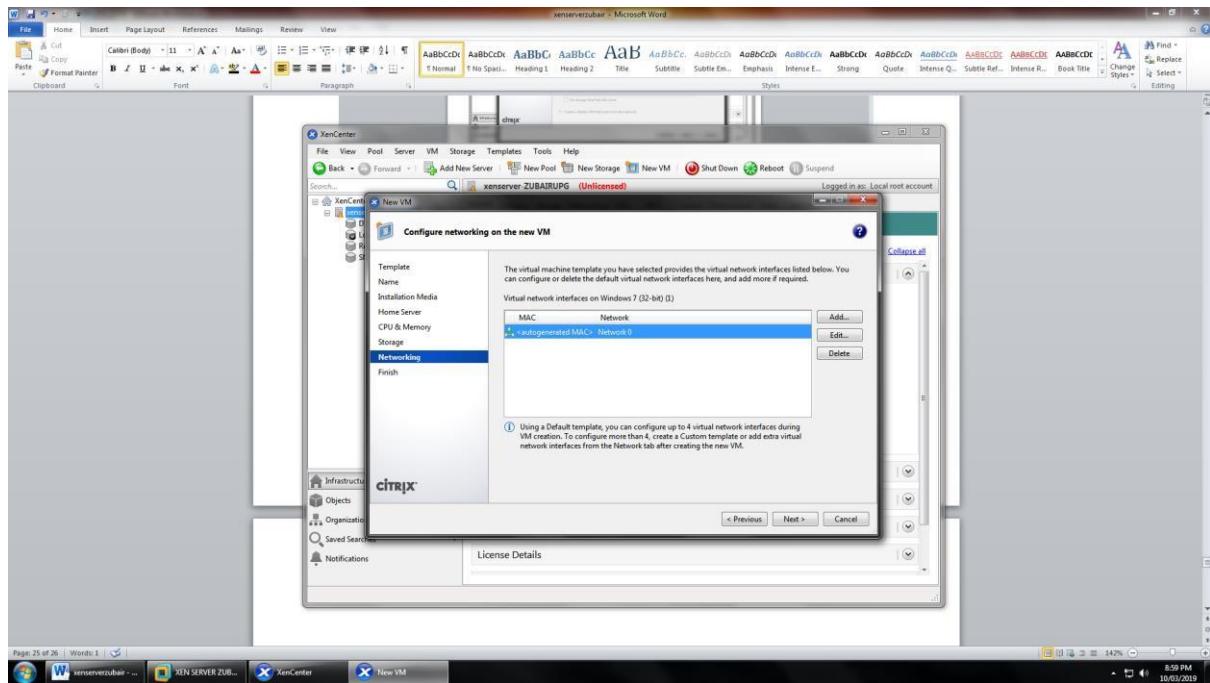
Click on Next.



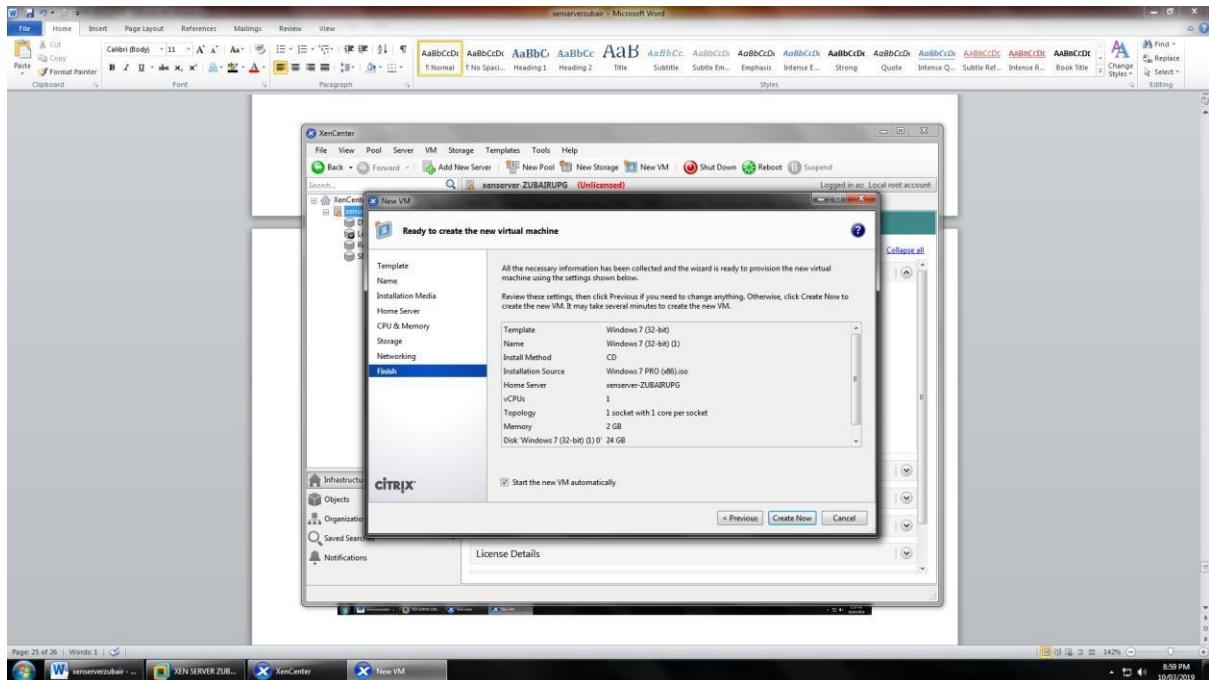
Click on Next.

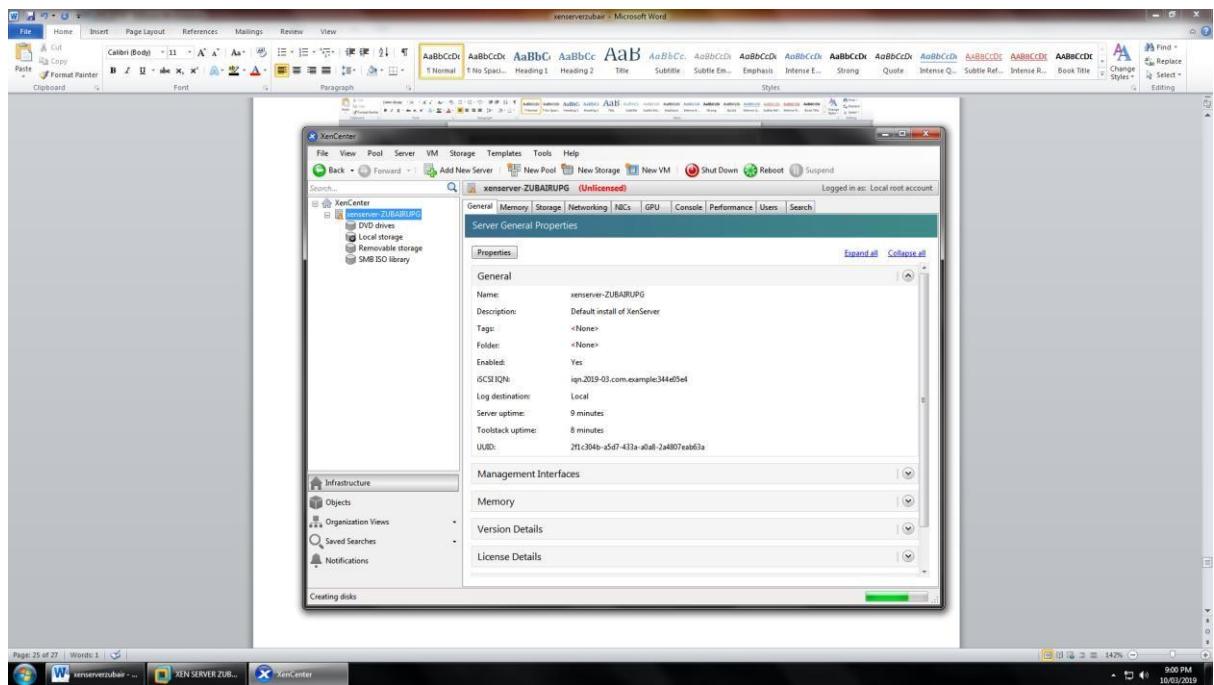


Click on Next.

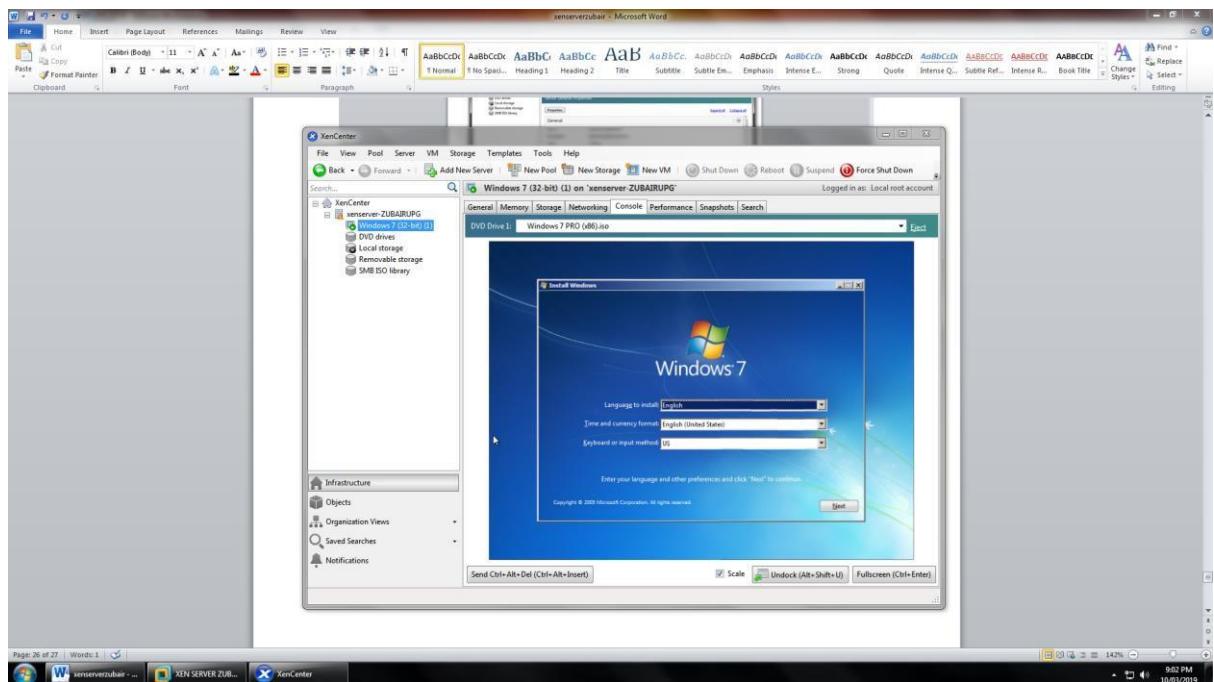


Your VM Configuration. Click on “Create Now”.



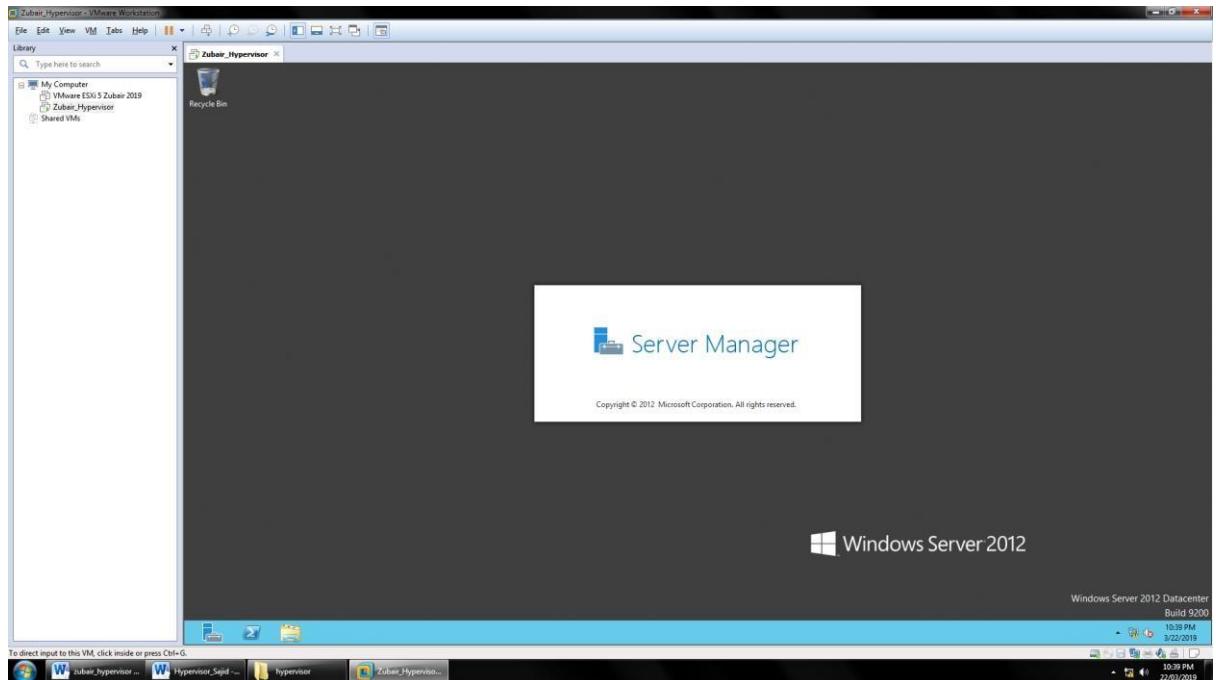


Select the Console Tab. Your new VM Is Ready. Complete the installation.



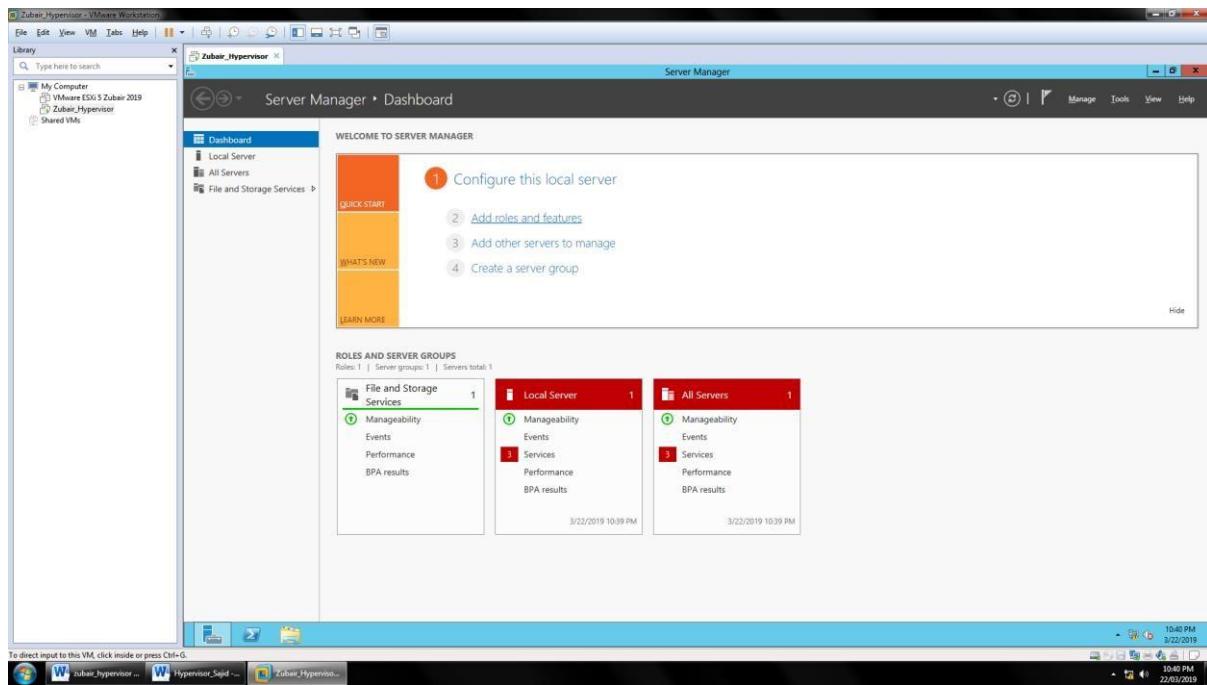
Configuration of Hyper-V

Step 1: Click on Server Manager.

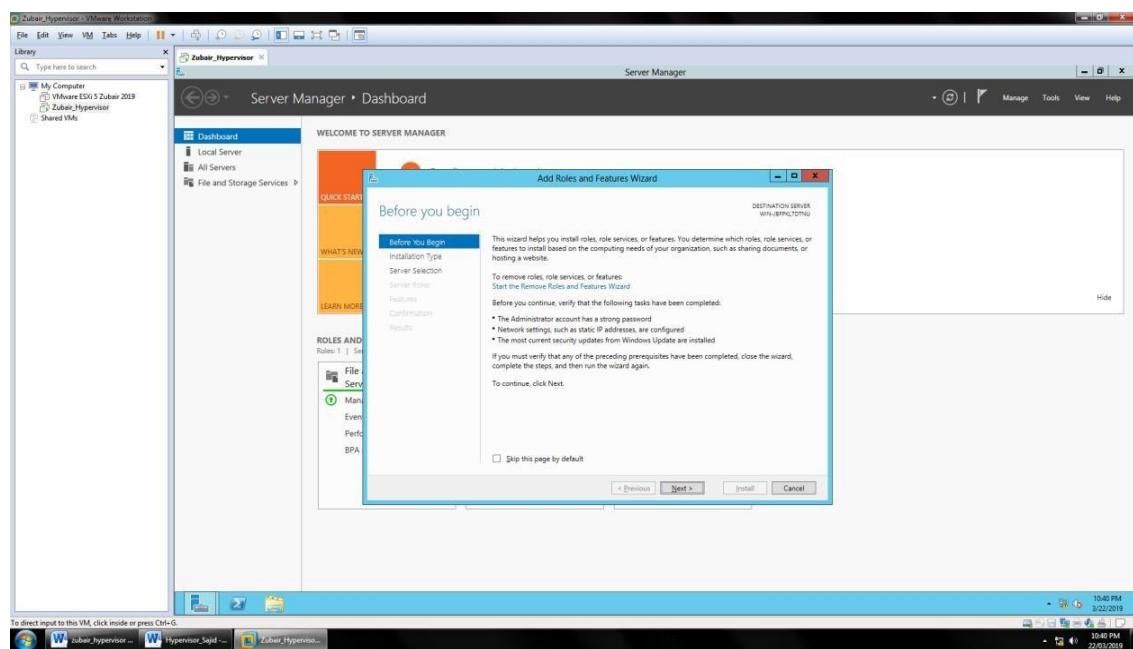


Step 2:

On Windows Server 2012, install Hyper-V manager features. Open Server Manager and Click on Add roles and features.

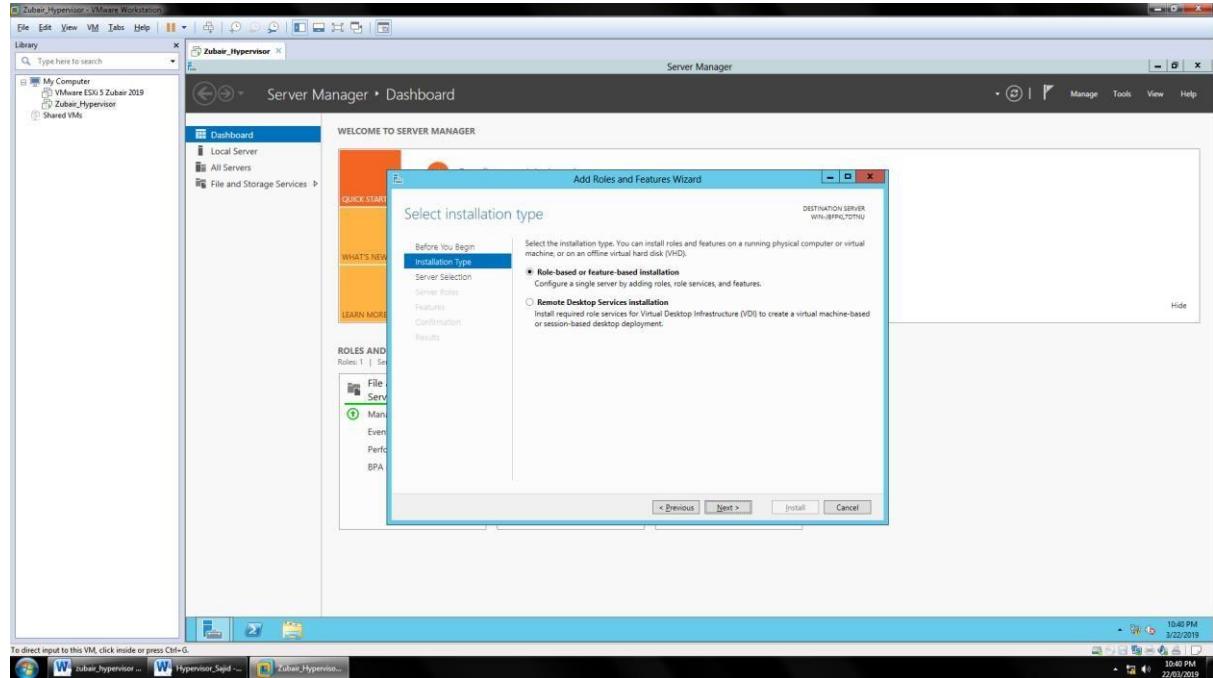


Step 3: Click on Next.



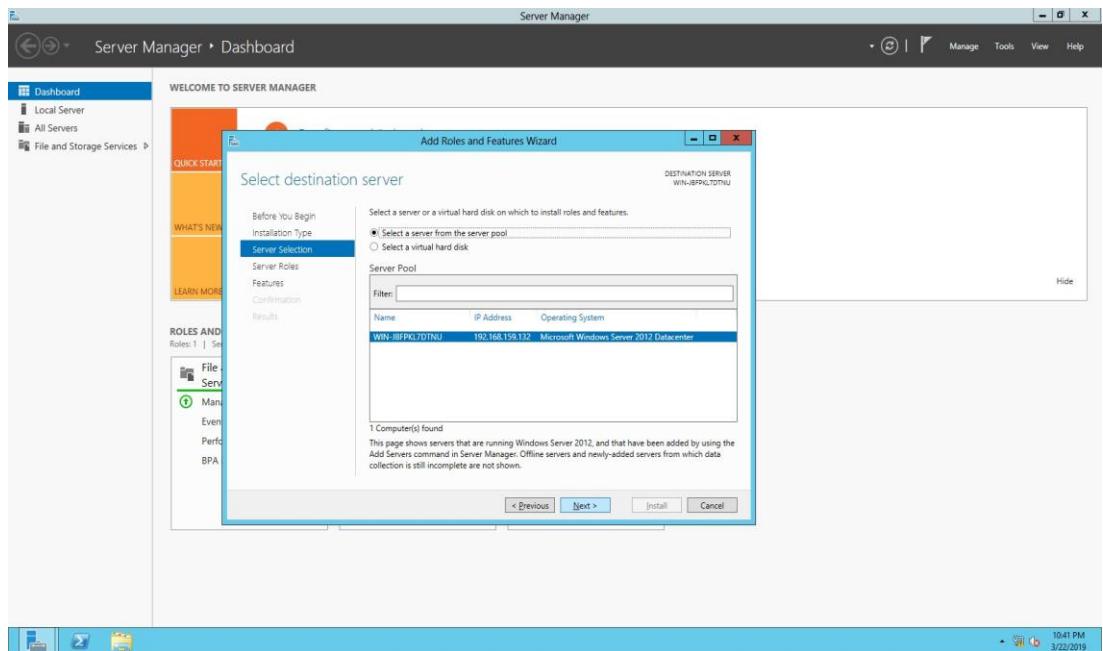
Step 4:

Select Role-based or feature-based installation. Click on Next.



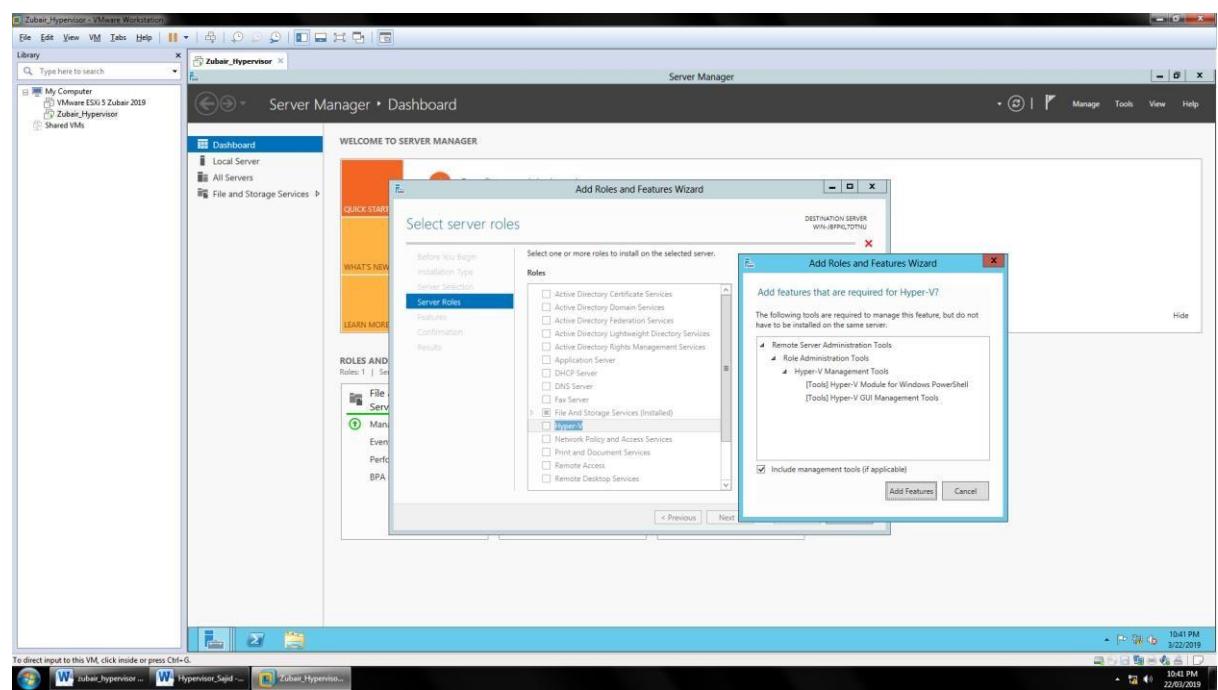
5:

Select a server from the server pool.



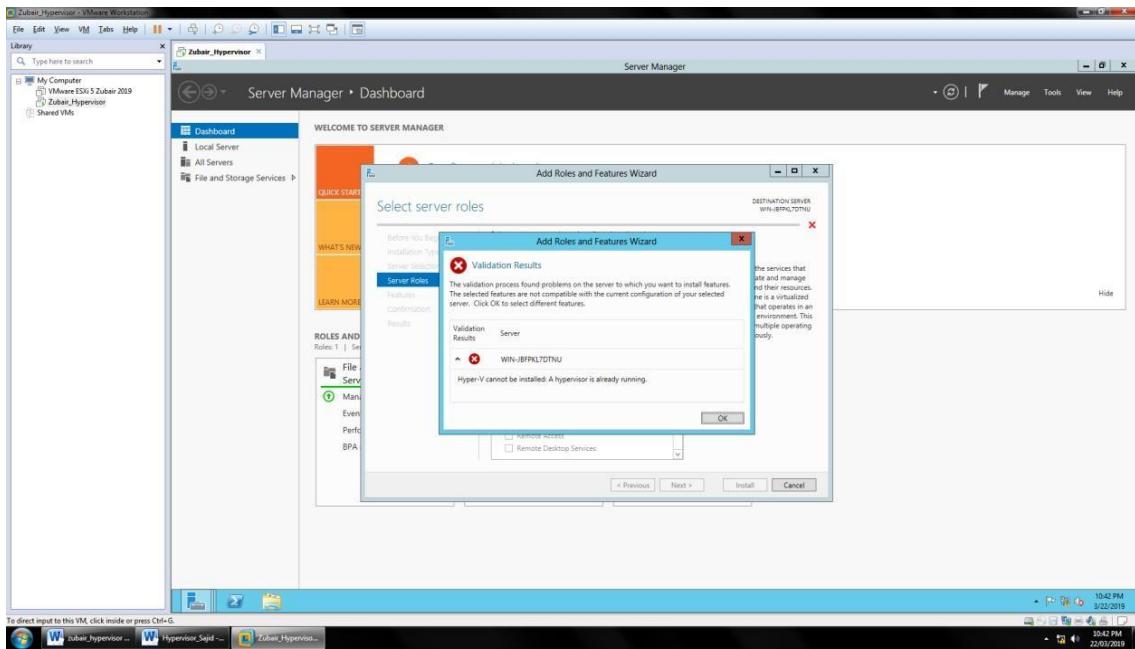
Step 6:

Click on Hyper-V.



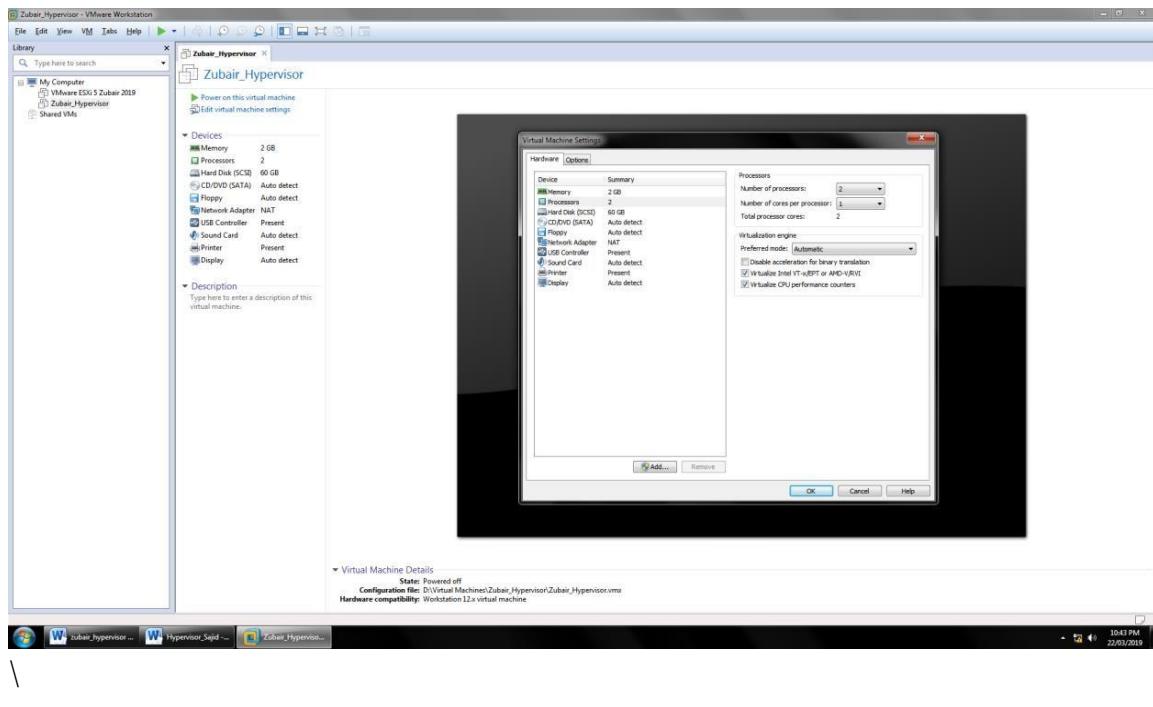
7:

It will give you an error that “Hypervisor already running”.

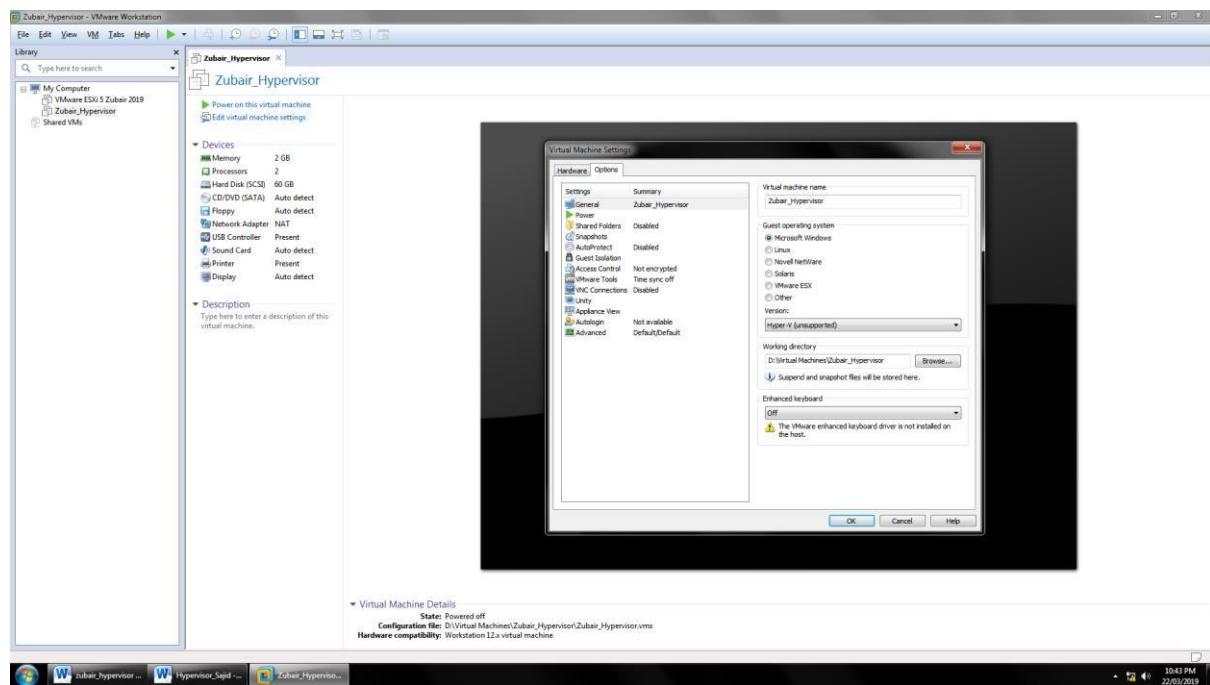


Step 8:

To solve this error. Power off the Virtual Machine and make the following change. VM -> Properties. Check the “Virtualize Intel VT-x/EPT or AMD-V/RV1” and “Virtualize CPU performance counters” checkbox.

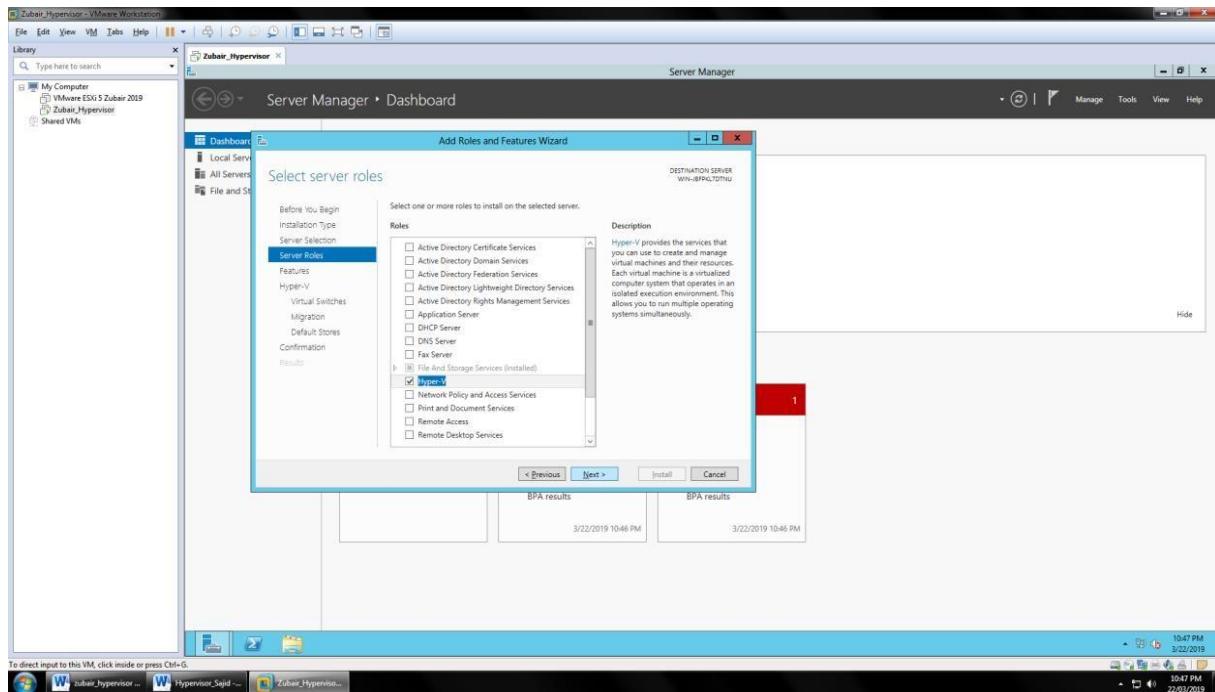


9: Then go to Options Tag. Select Version as Hyper-V (unsupported). And Click on Ok.

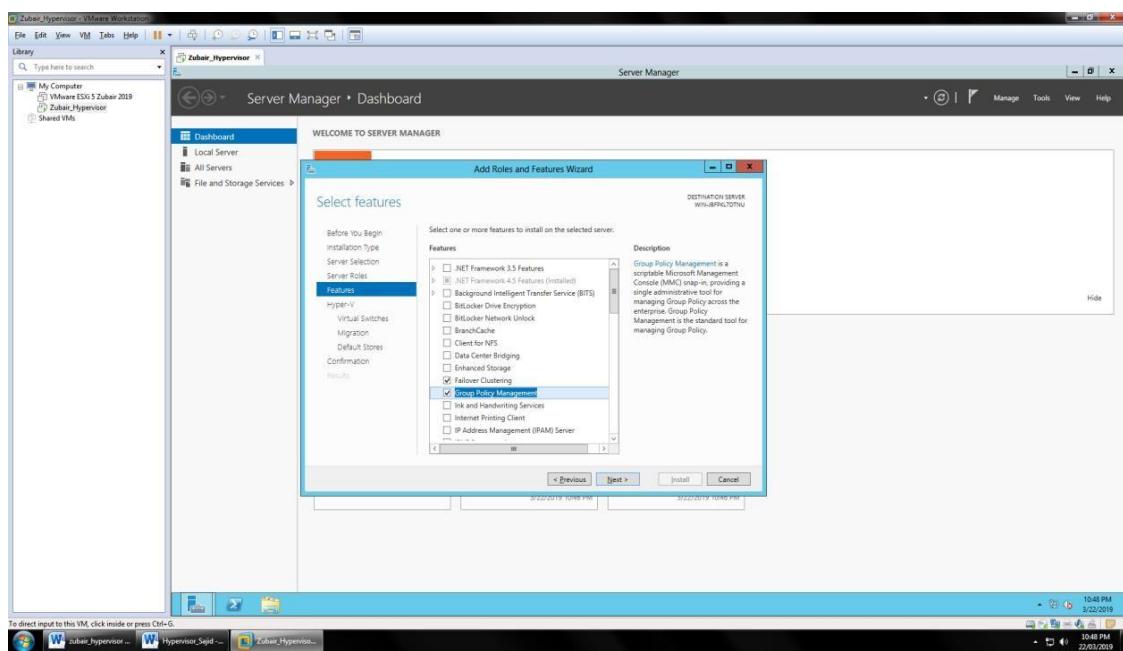


Step 10:

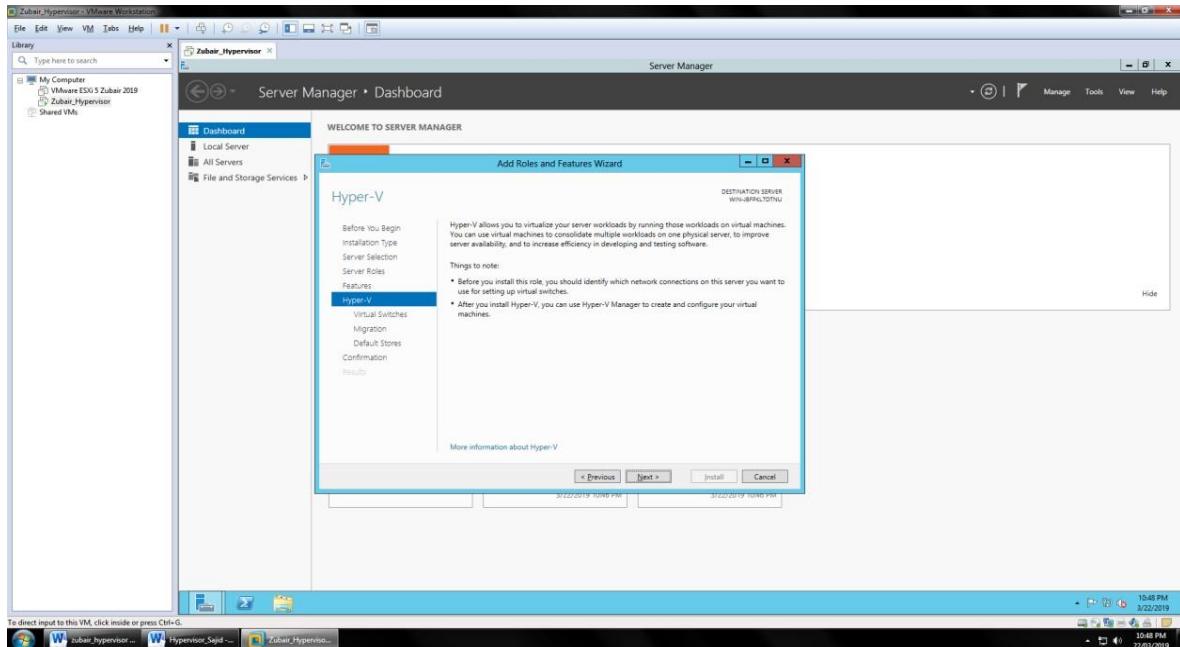
Now Start the VM ware machine and Repeat Step 1 and Step 6. Click on Next.



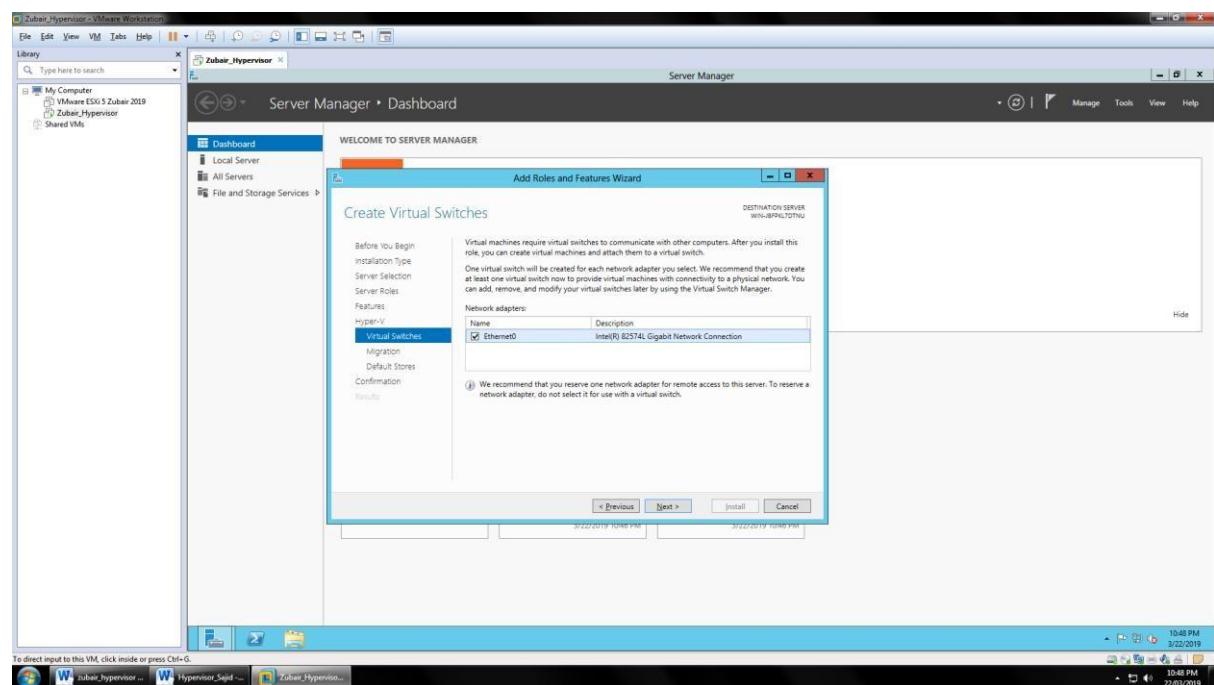
11: Check on Failure Clustering and Group Policy Management. Click on Next.



Step 12: Click on Next.

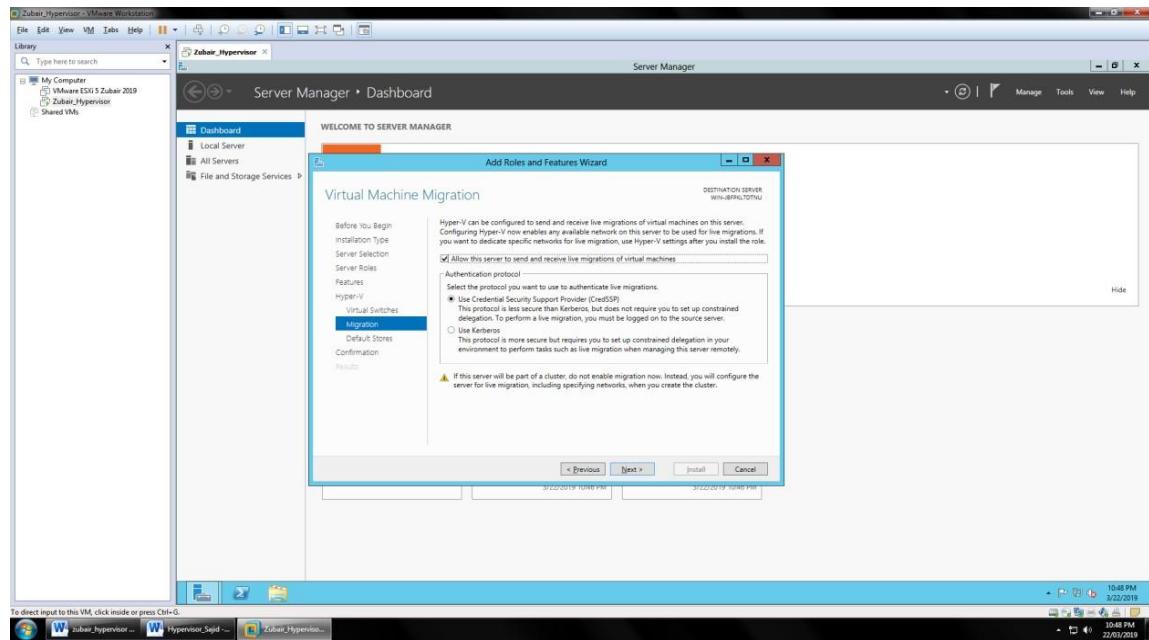


13:Check on Ethernet0 Checkbox. Click on Next.

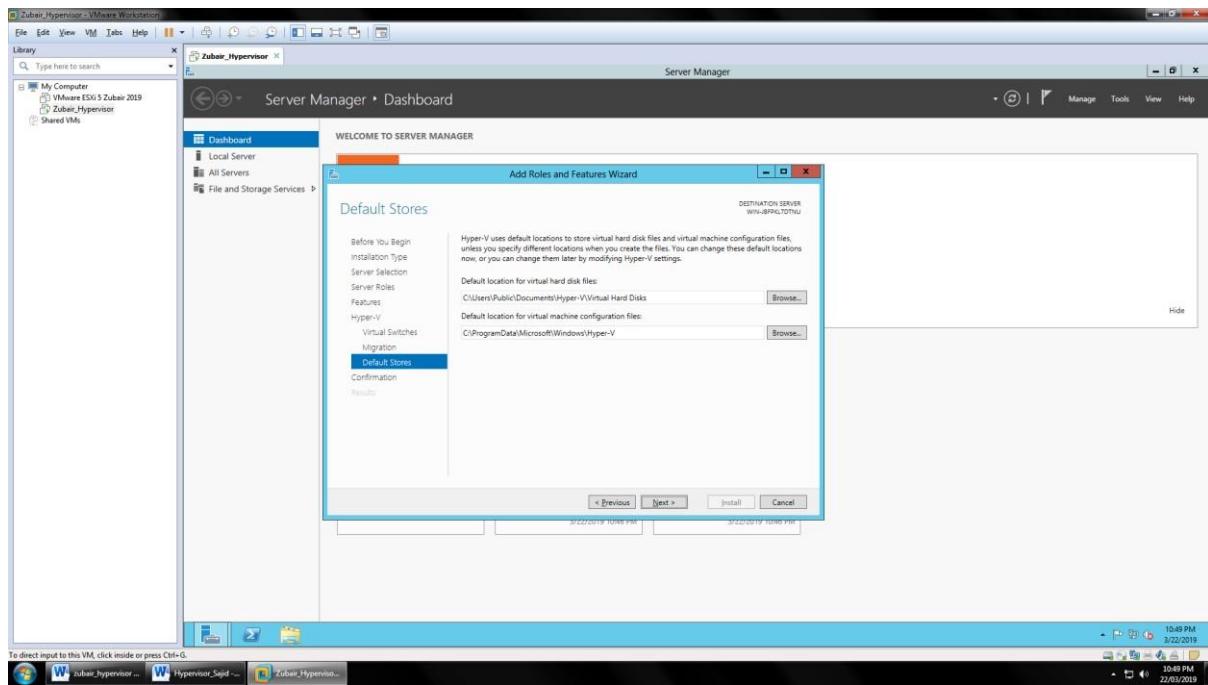


Step 14:

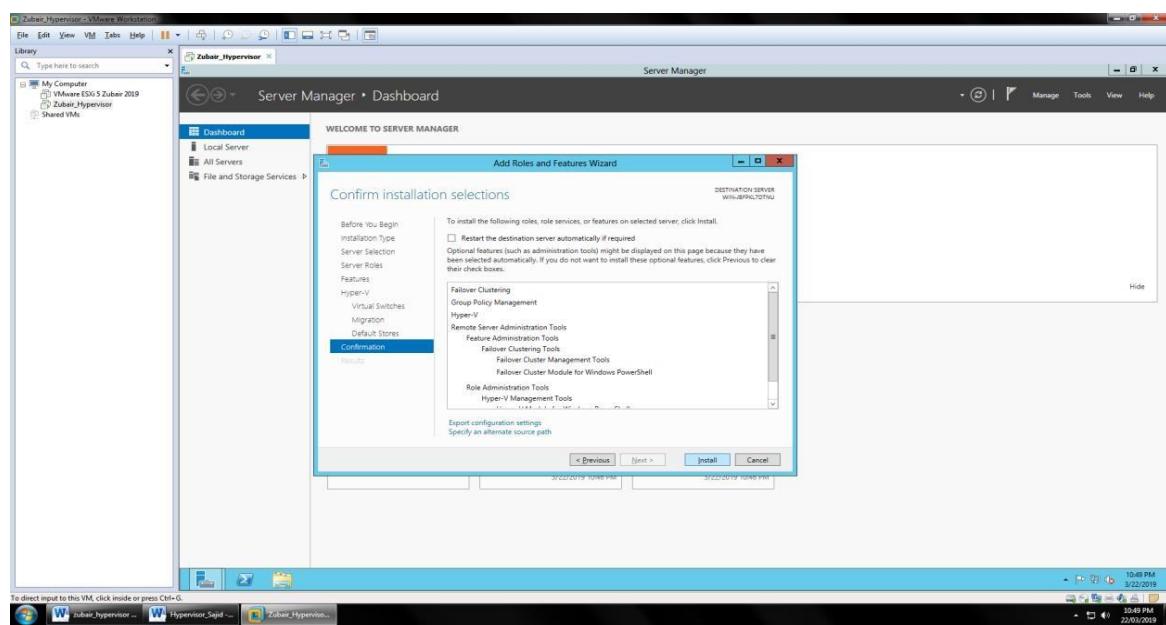
Check the Checkbox. Click on Next.



15: Click on Next.

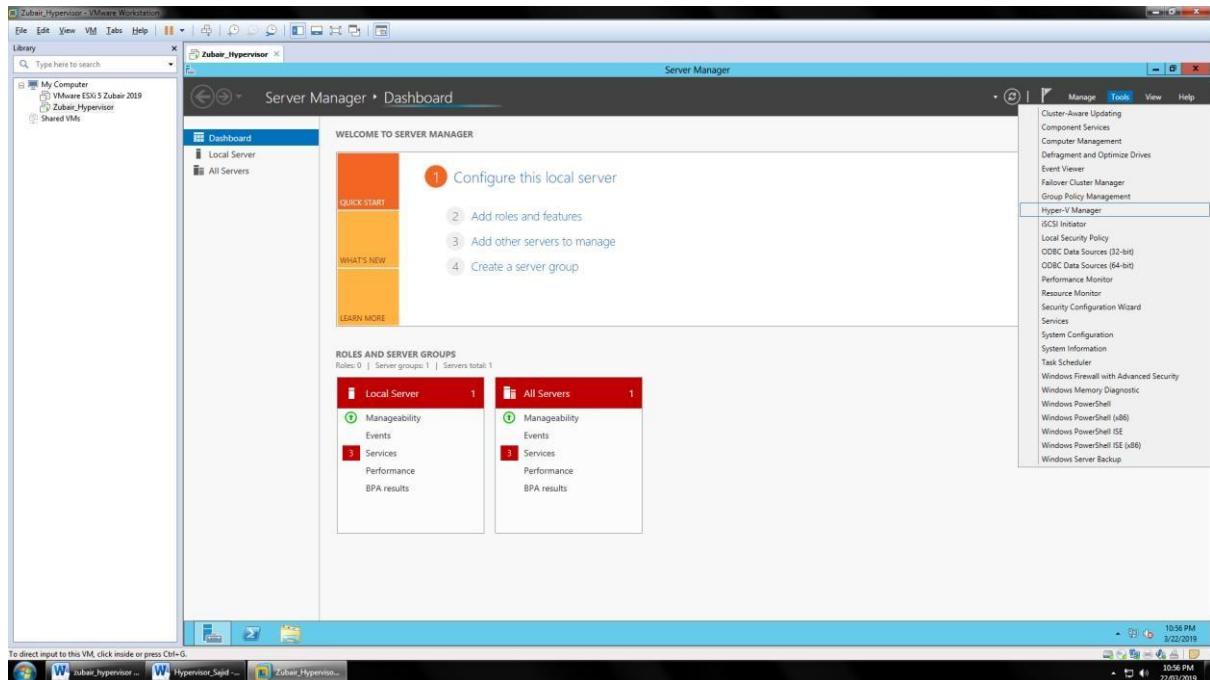


Step 16: Click on Install.



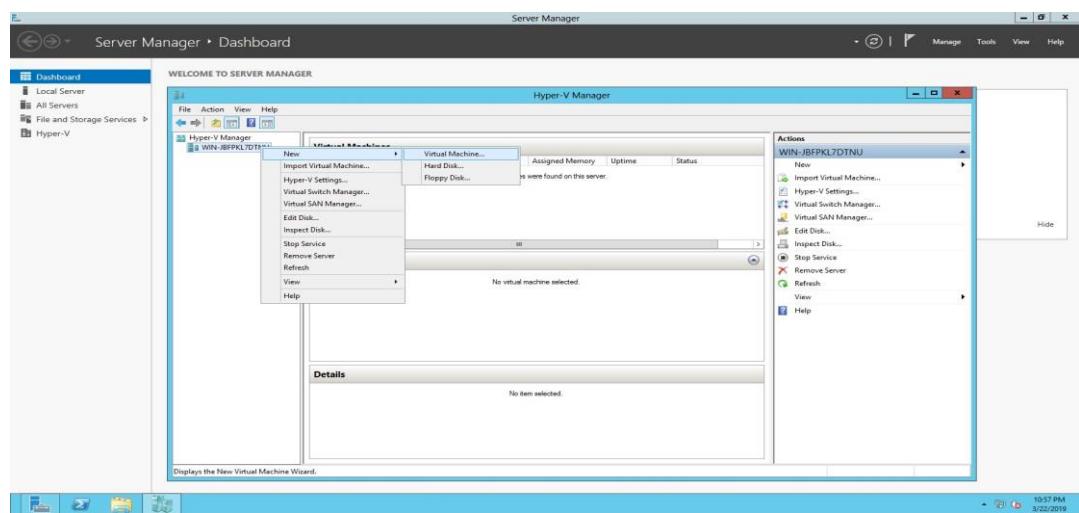
17: It will show the feature Installation. That show that restarted id pending...

Now restart on VM ware machine and open Server Manager, go to Tools Menu and Click on Hyper-V Manager.

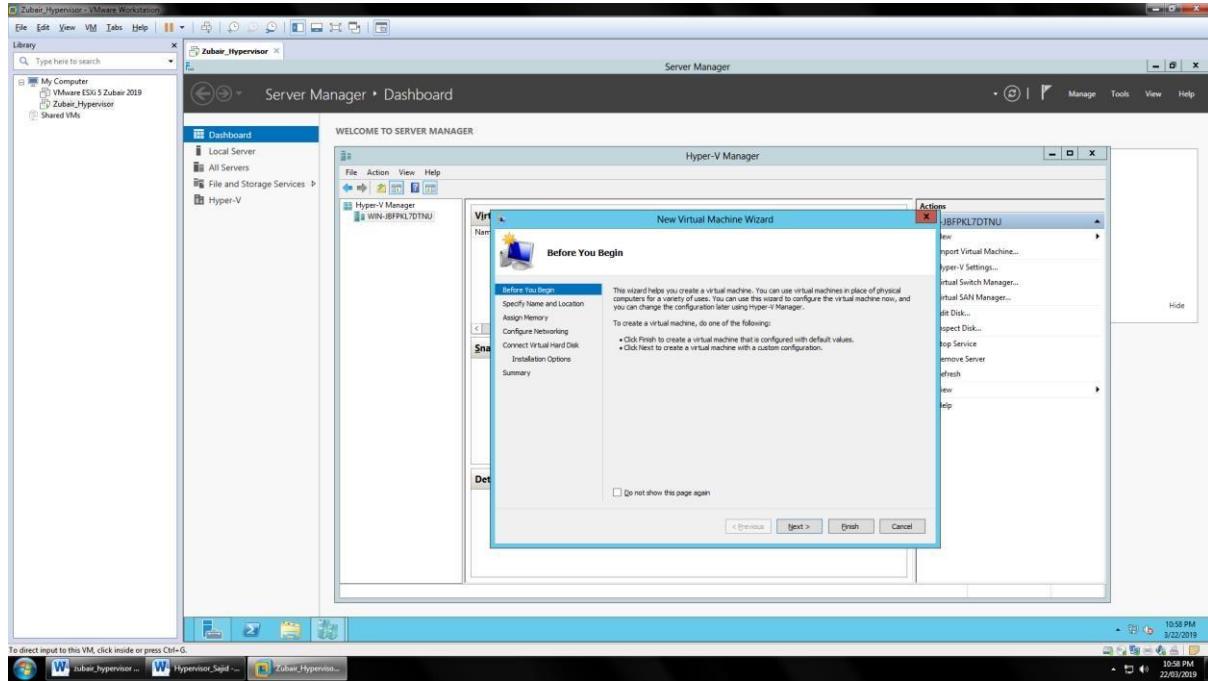


Step 18:

Right Click on Your Machine. i.e WIN-XXXXXXXXXXX. And Click on New and Virtual Machine.

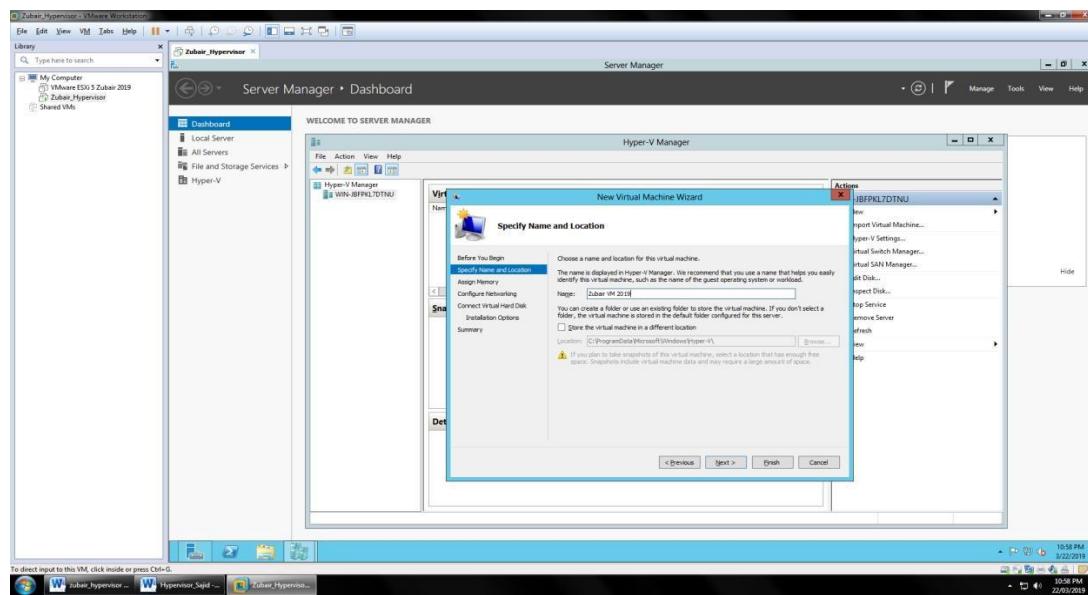


19: Click on Next.



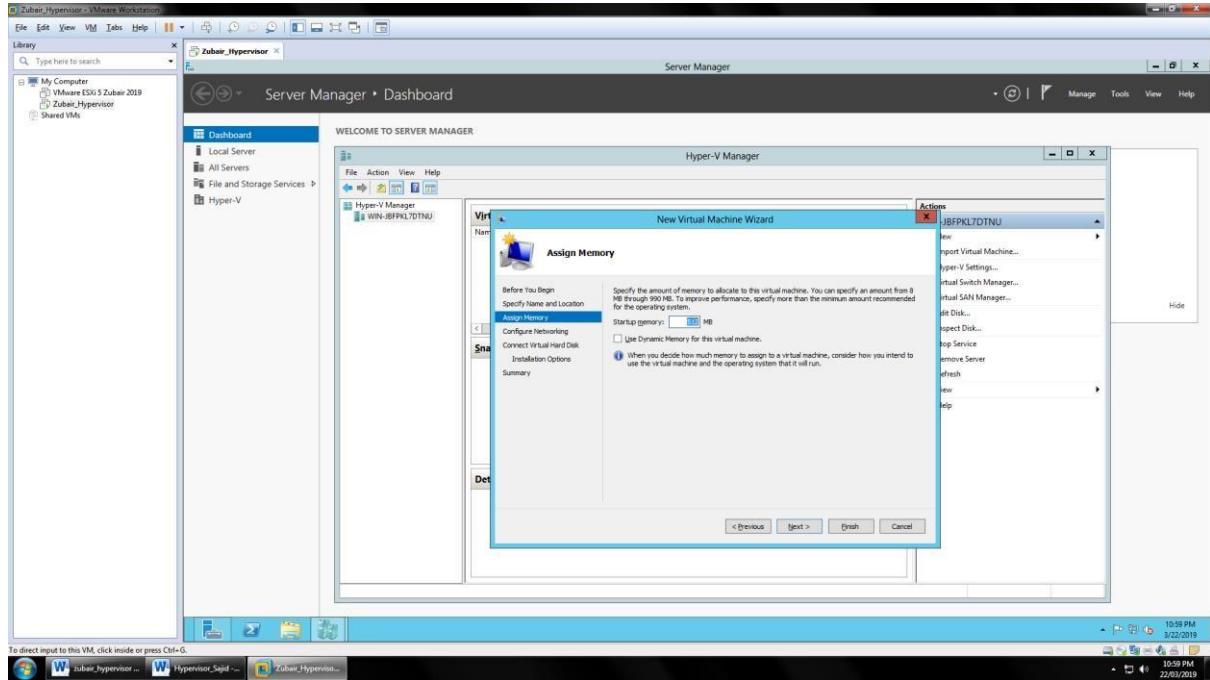
Step 20:

Specify the name of new VM ware machine as Zubair VM 2019. Click on Next.



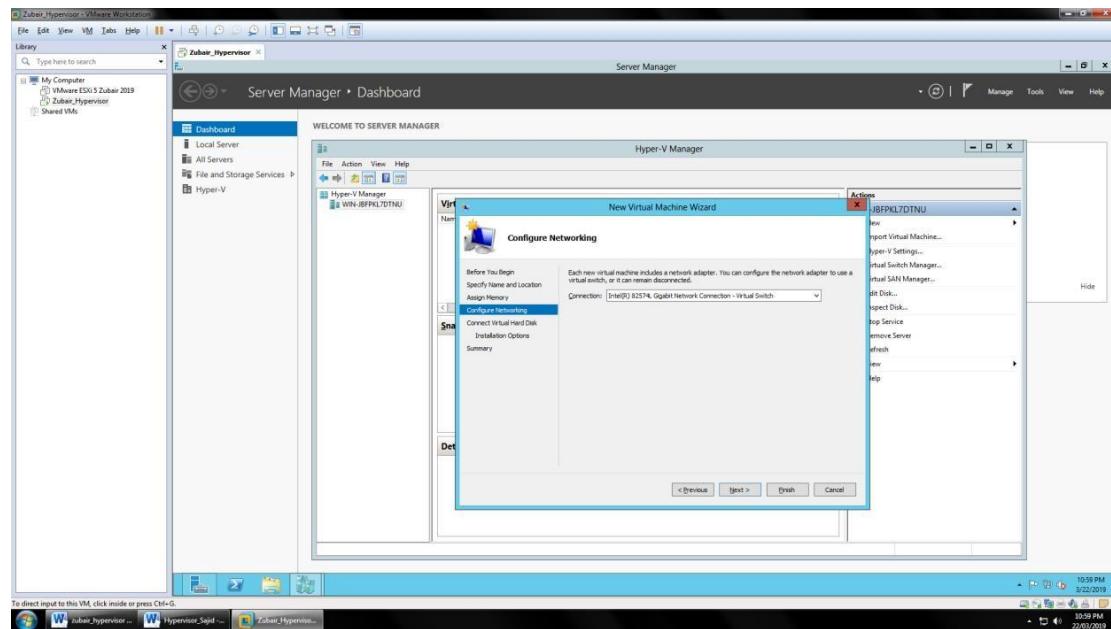
21:

Specify the memory as 512 MB. Click on Next.



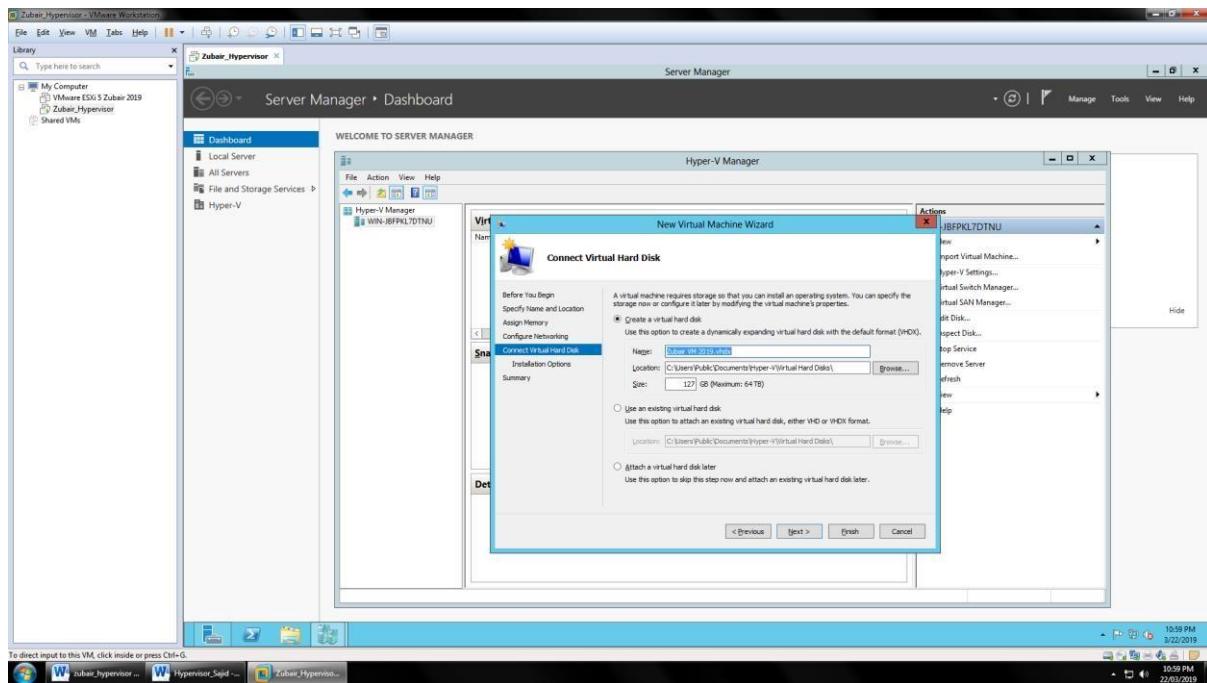
Step 22:

Specify the Connection as Intel. Click on Next.



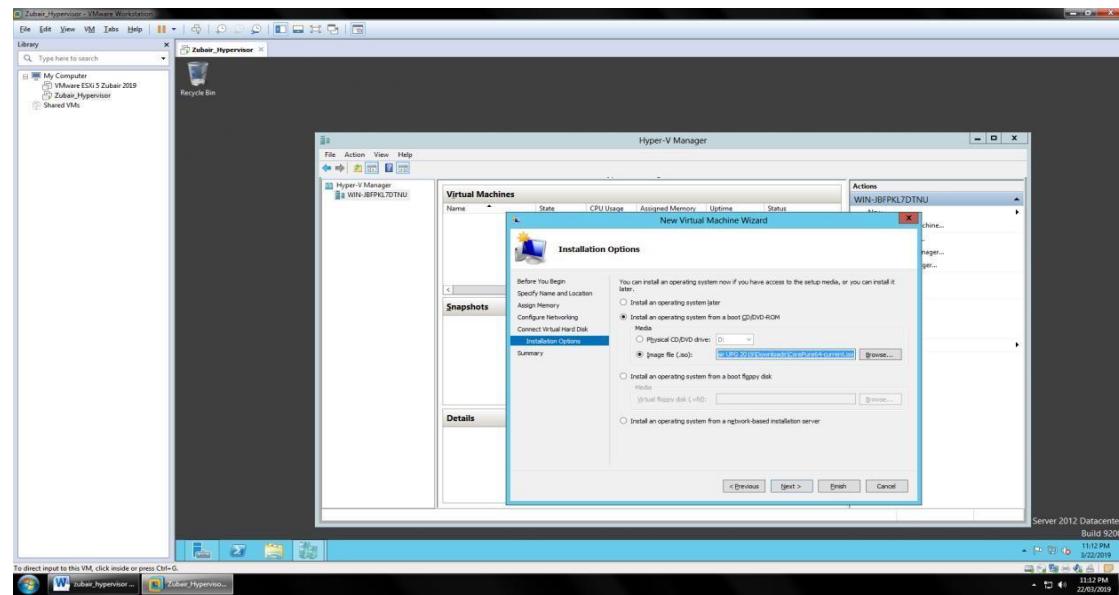
23:

Check and Click on Next.

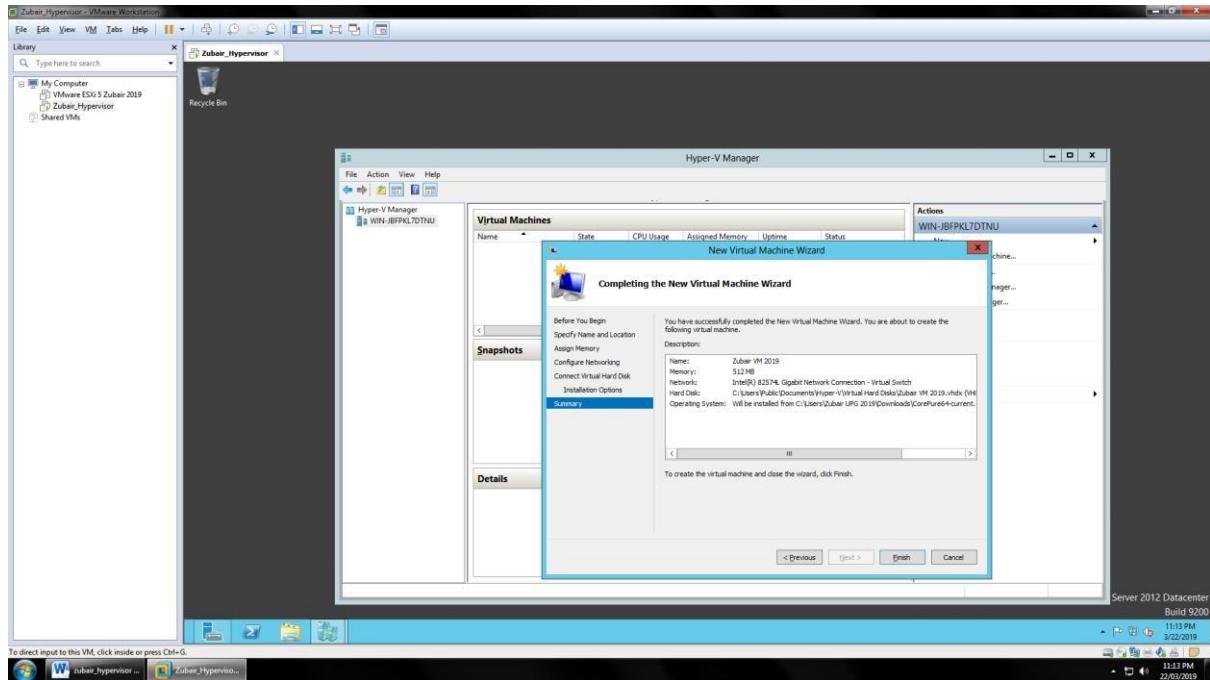


Step 24:

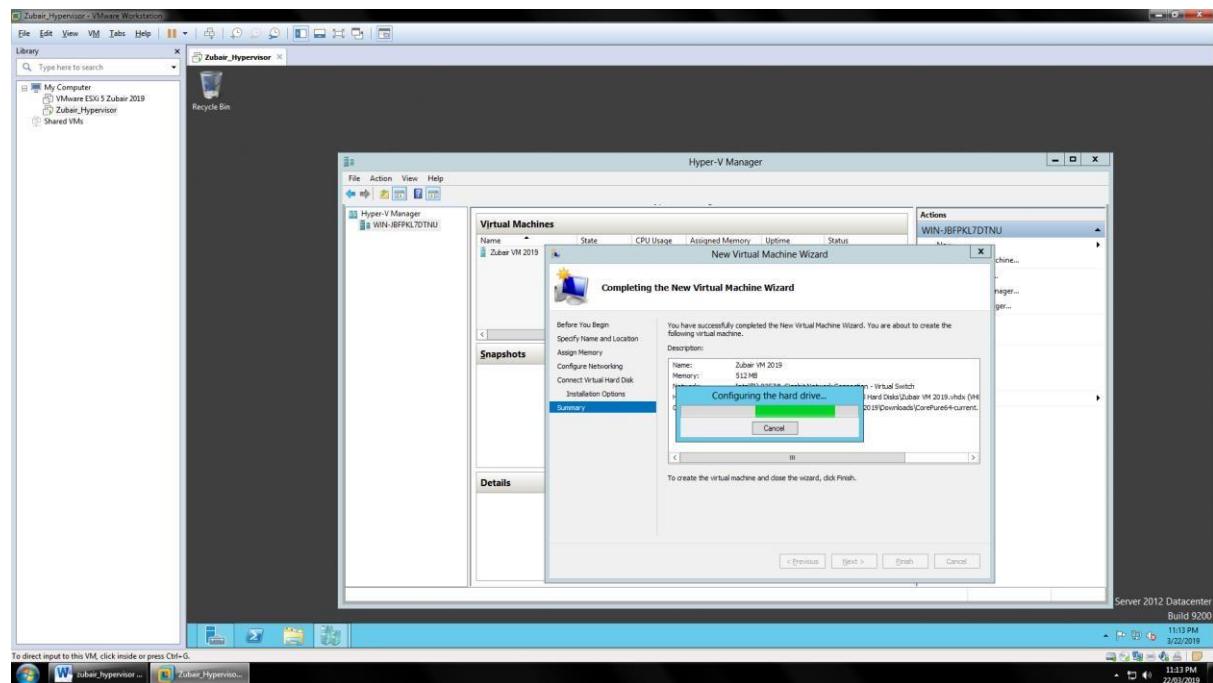
Click on Install an Operating System and Select CorePure64.iso



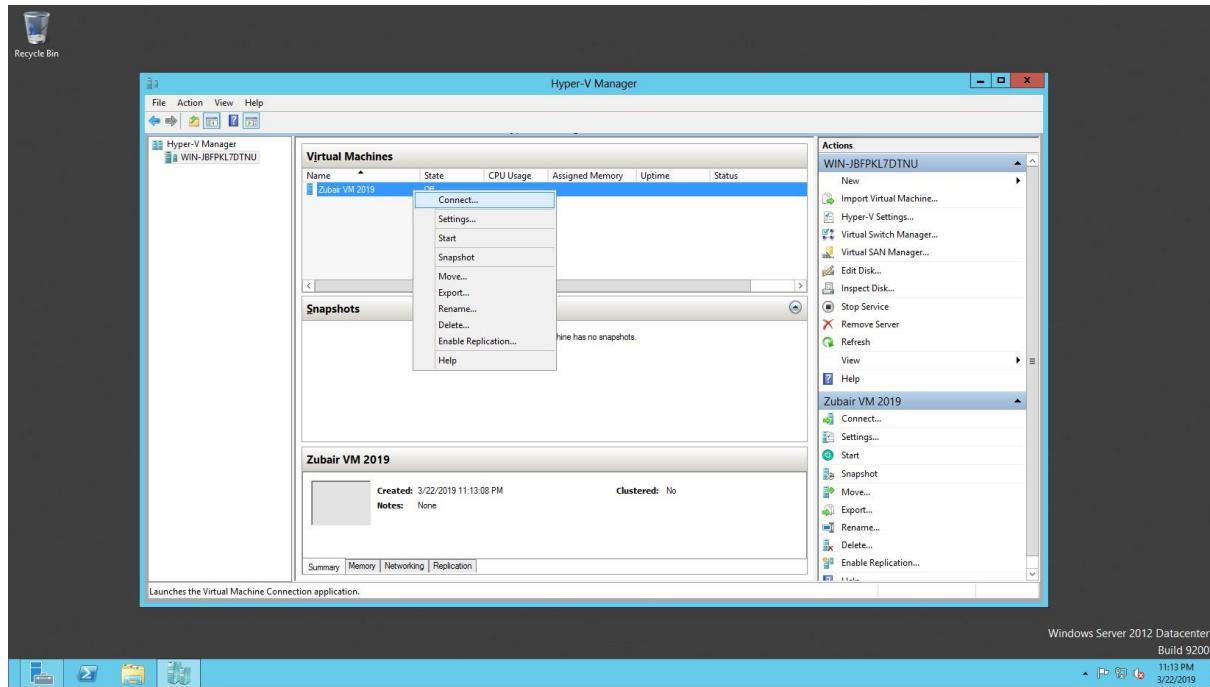
25:Click on Finish.



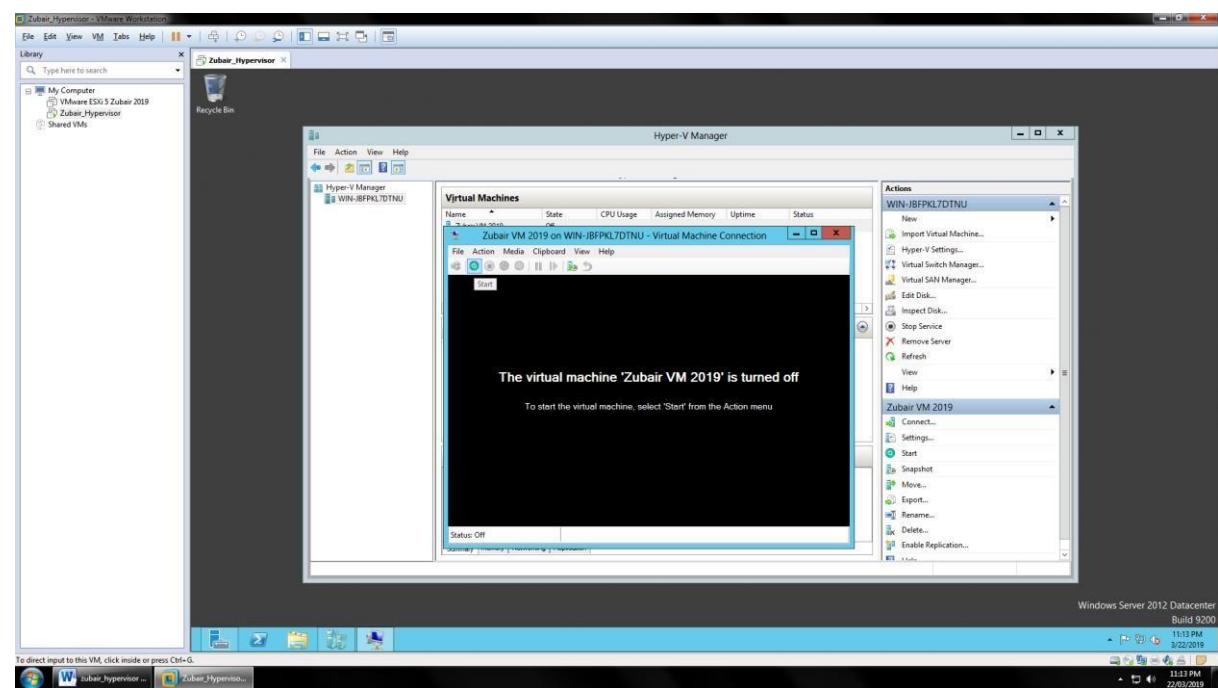
Step 26:
Virtual Machine is being configured.



27: Right click on your machine and click on Connect.



Step 28:
Click on Start.



29: ping any node you want in my case 192.168.56.1

