



Sri Lanka Institute of Information Technology

Enterprise Standards and Best Practices for IT Infrastructure

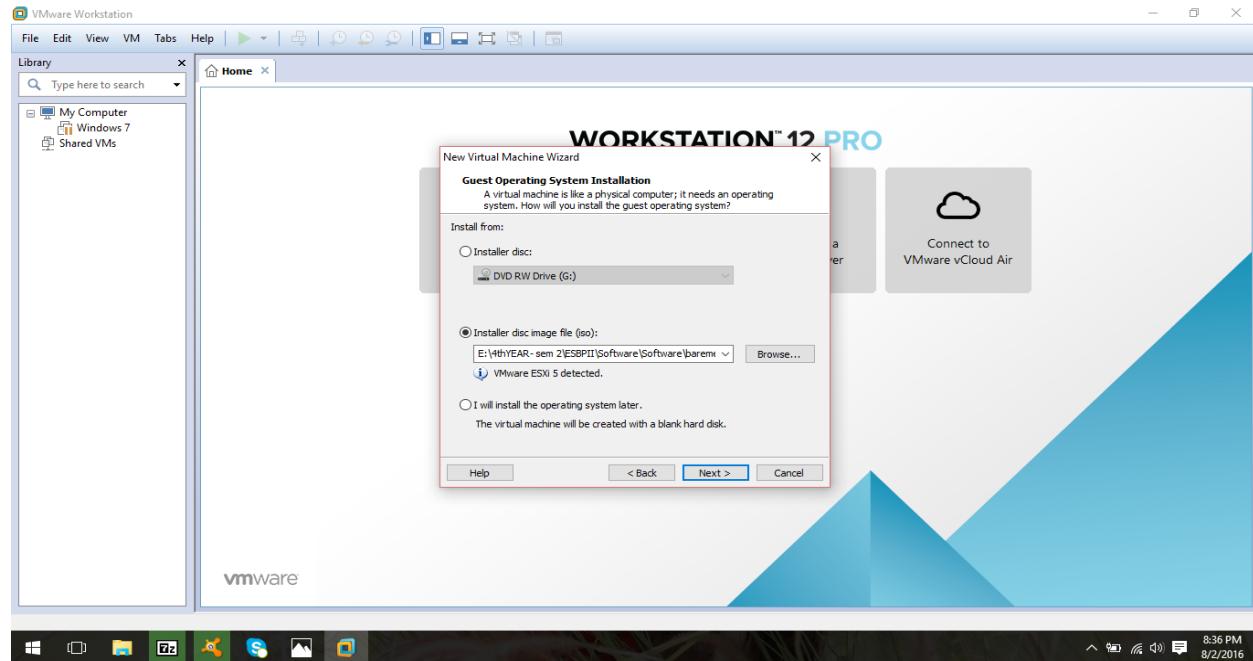
LAB 04

Creating Virtual Data Center

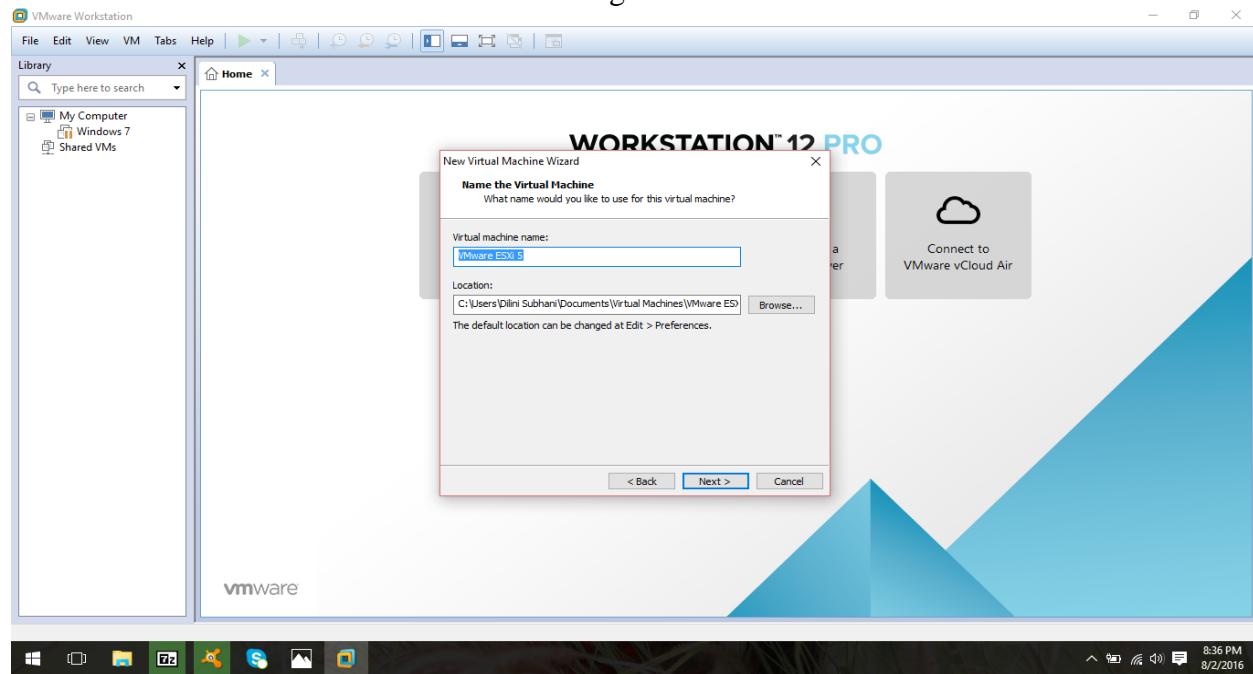
**IT 130 699 64
Subhani K.G.D.
Weekday IT
15th August 2016**

Installing vSphere ESXi Bare-Metal Hypervisor –VMware

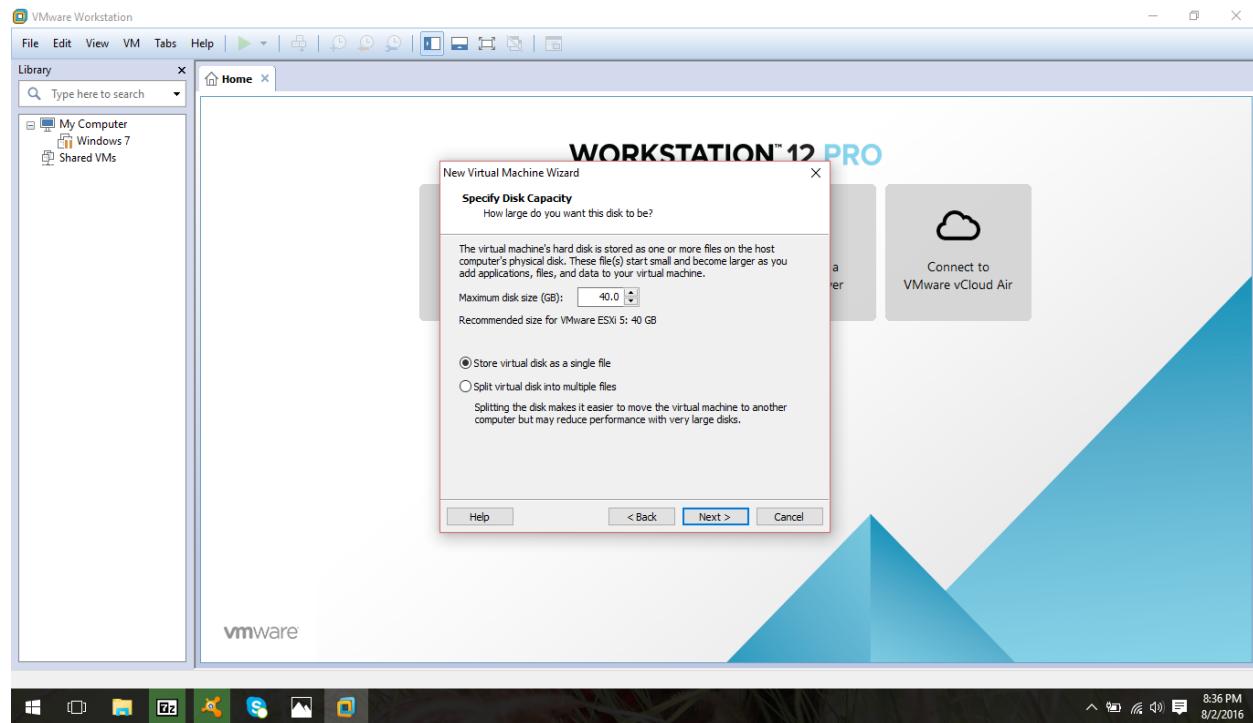
1. First user has to create a New Virtual Machine using VMware Select File -> New Virtual Machine and Select disk image file by clicking Browse... button



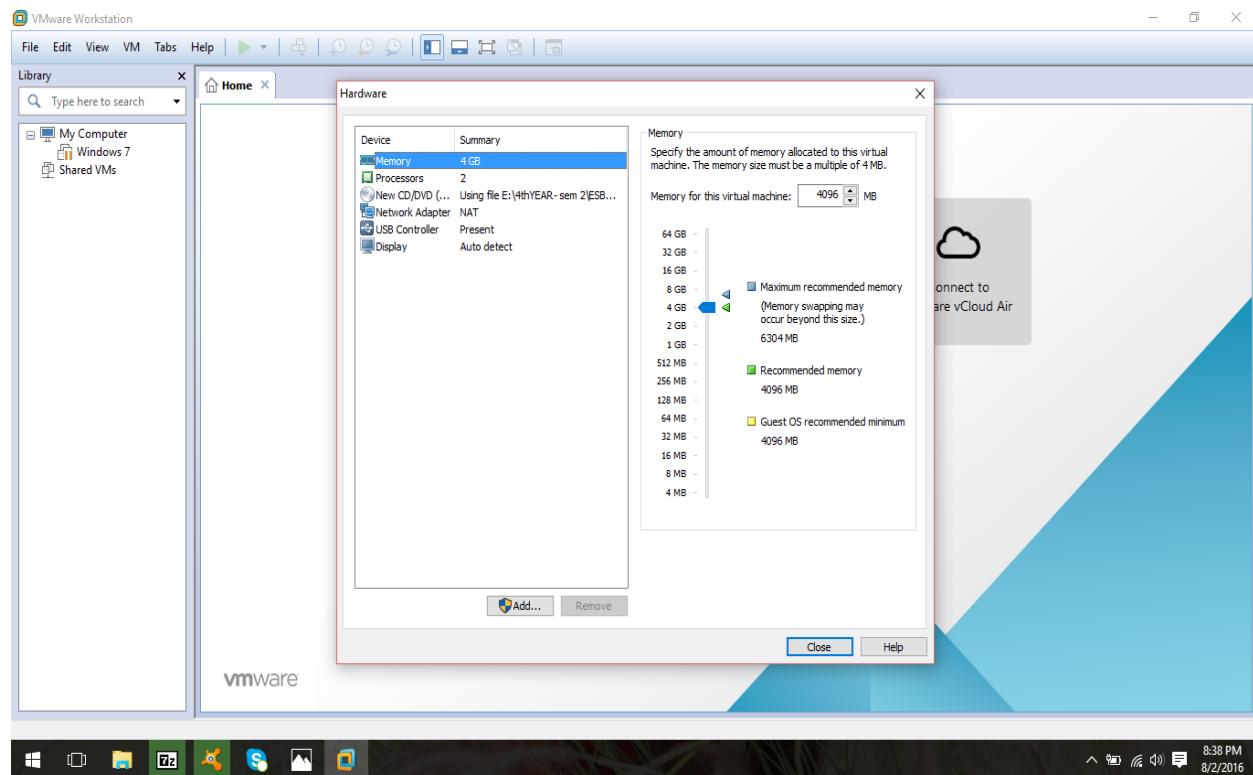
2. Click on Next. Select a location to save and give a name to the virtual machine



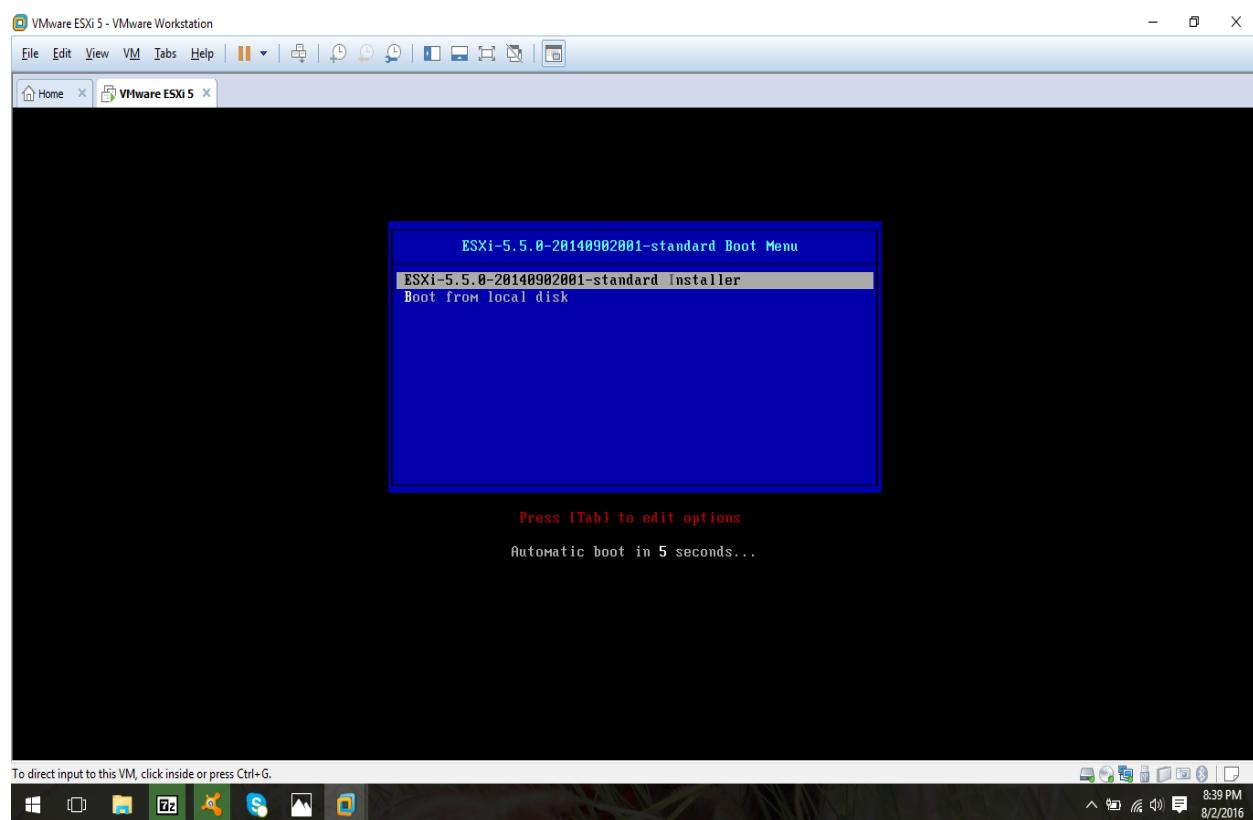
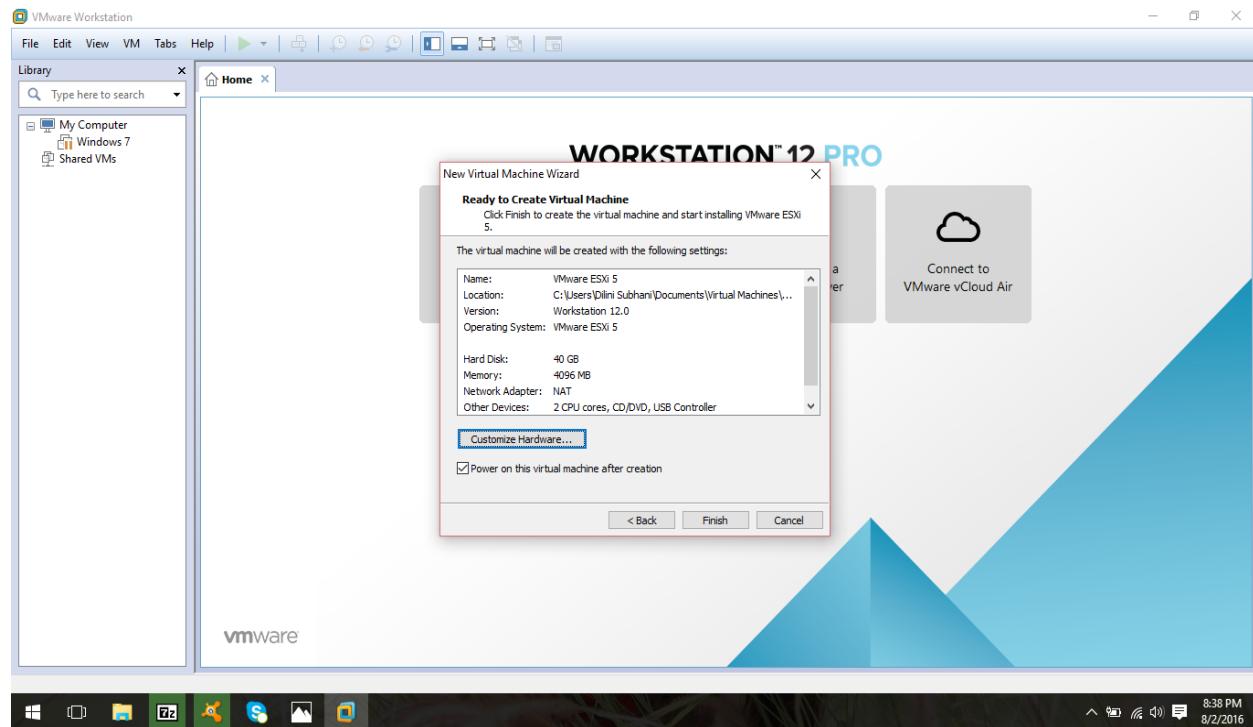
3. Click on Next. Give Maximum disk size as 40 GB and select Store virtual disk as a single.

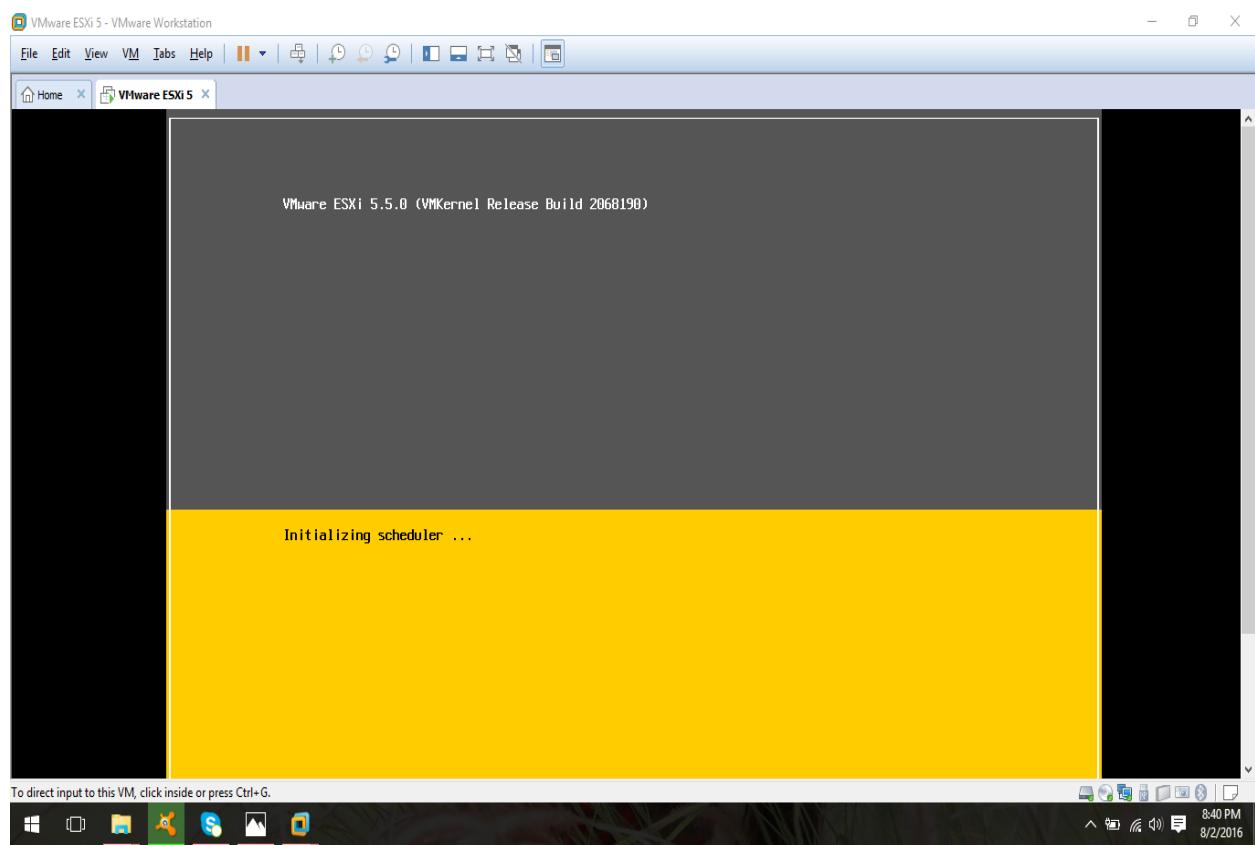
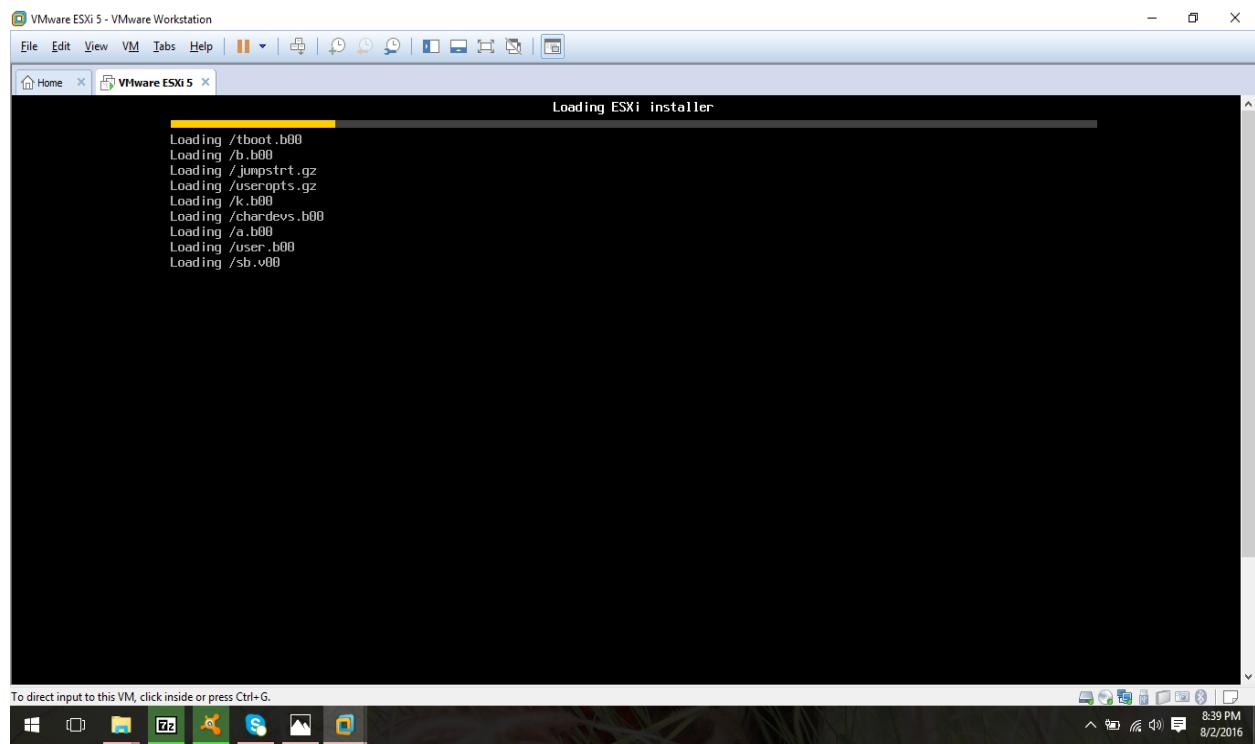


4. Click on next and by selecting Customize Hardware button make sure Device memory is 4GB.

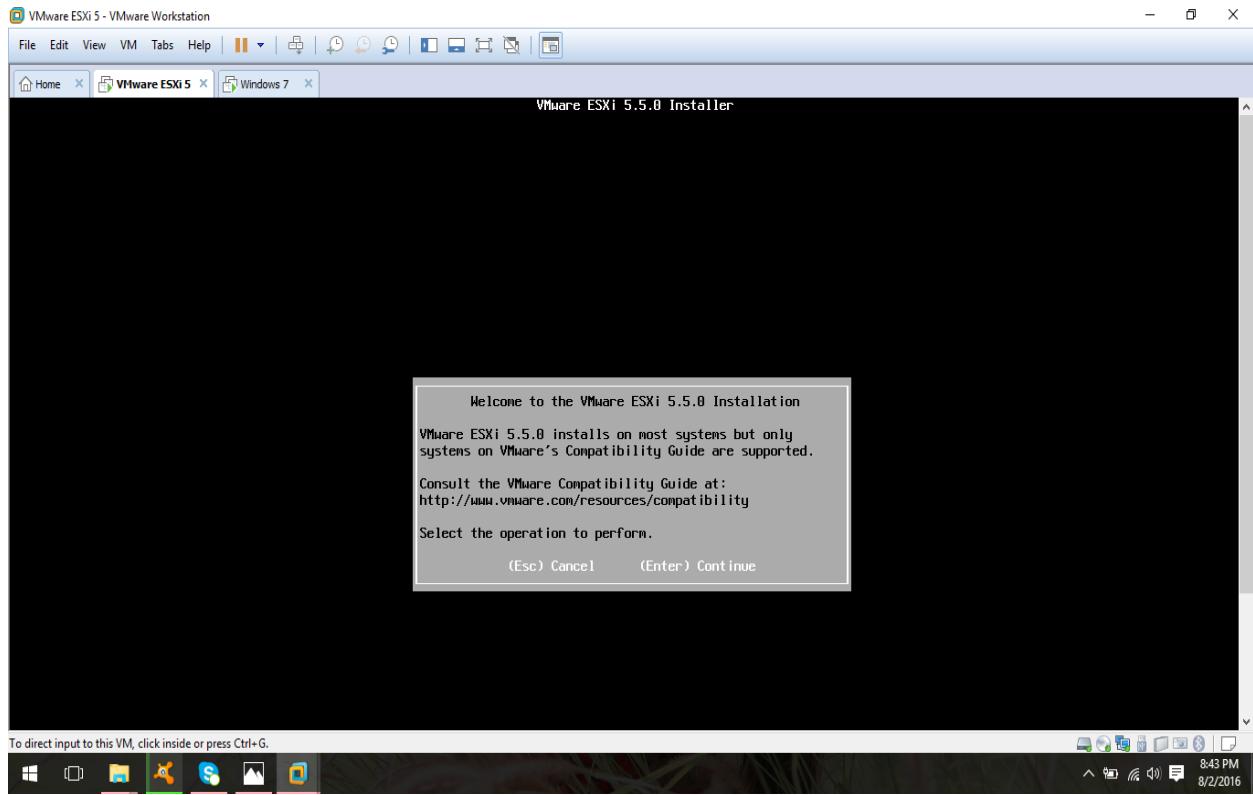


5. Click on Finish... It will take a few minutes to boot the process

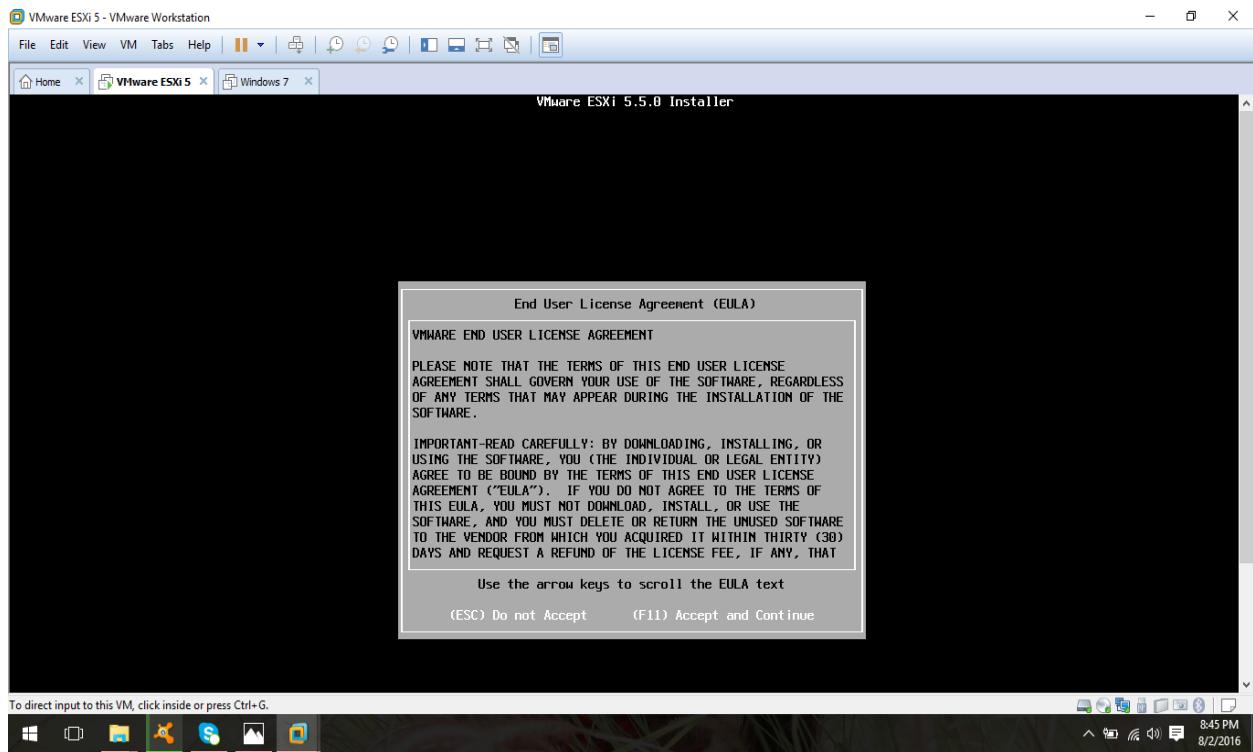


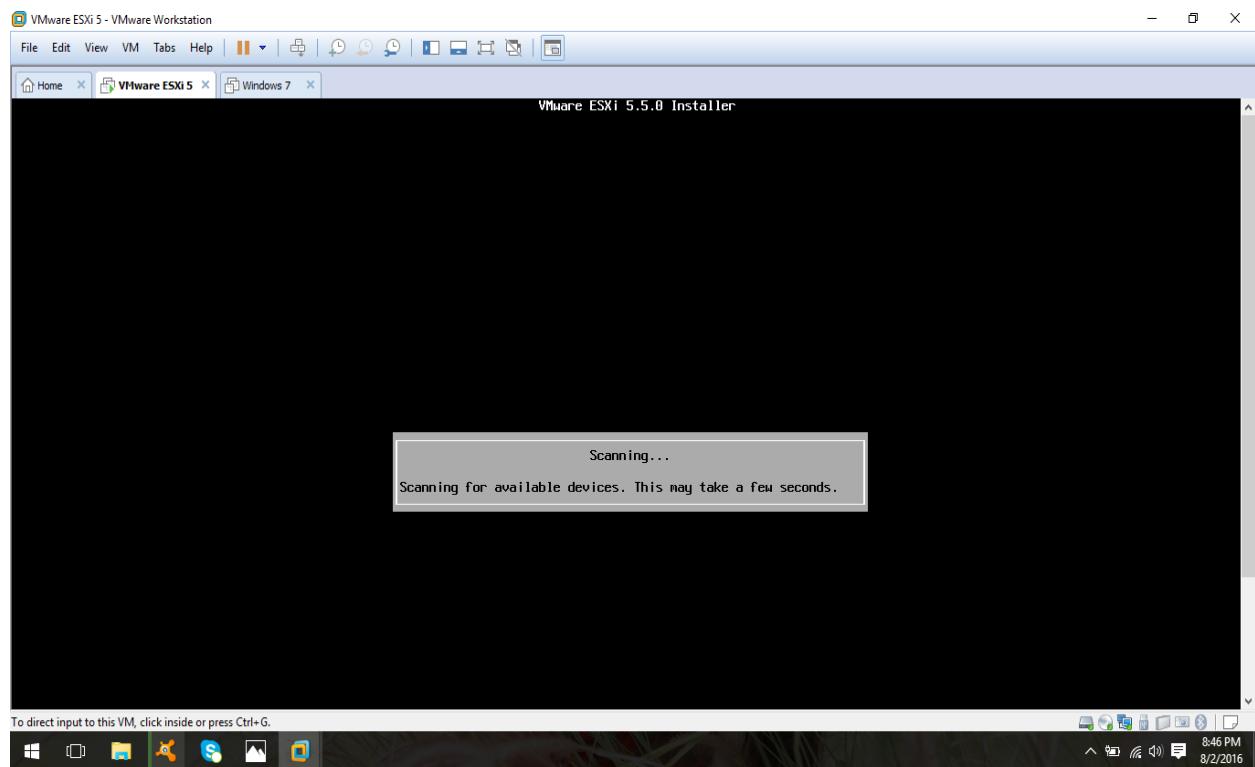


6. Press Enter to continue. And it will take some time to continue.

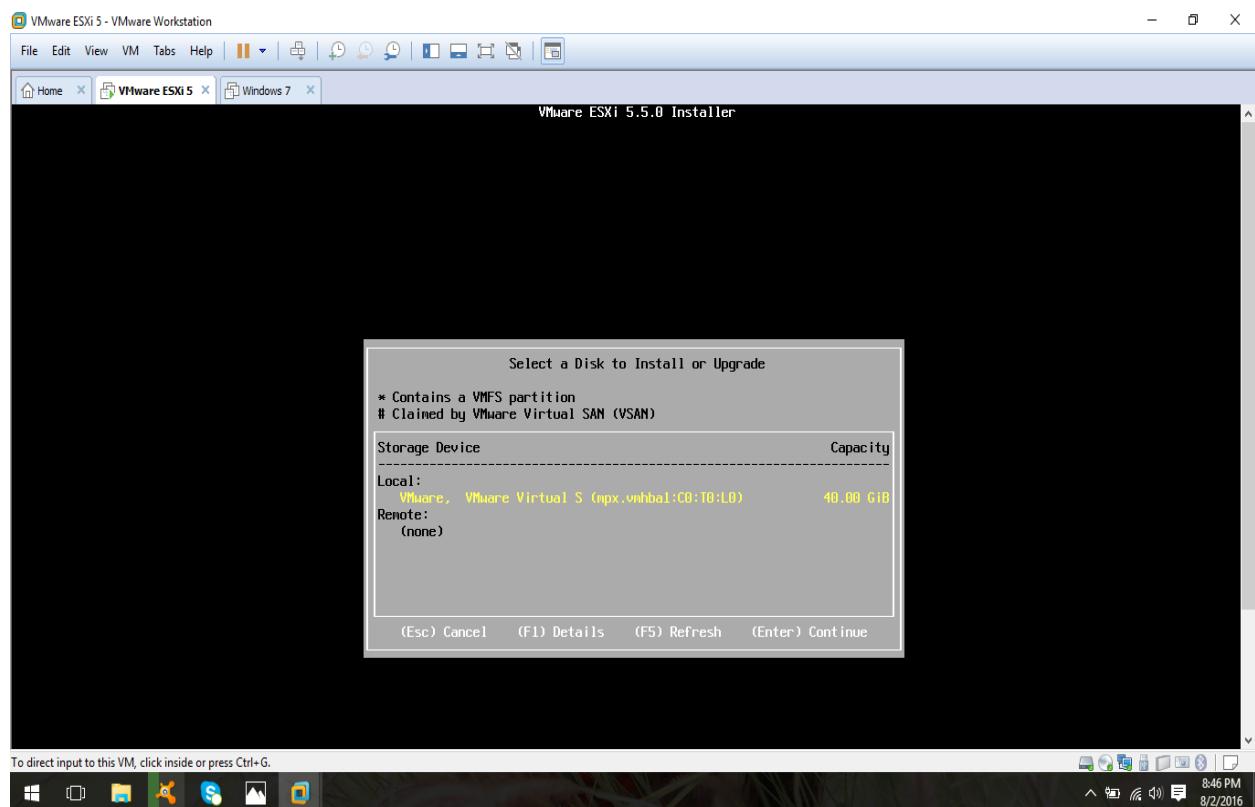


7. Press F11 to Accept and continue

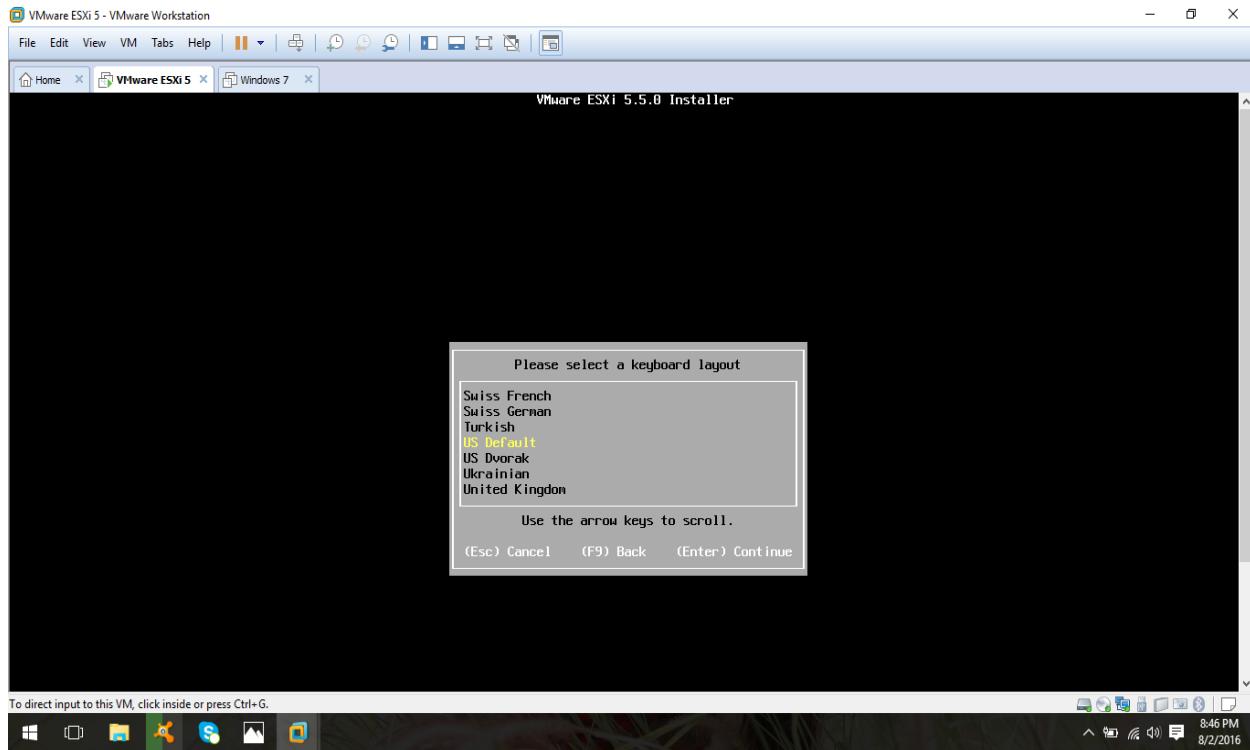




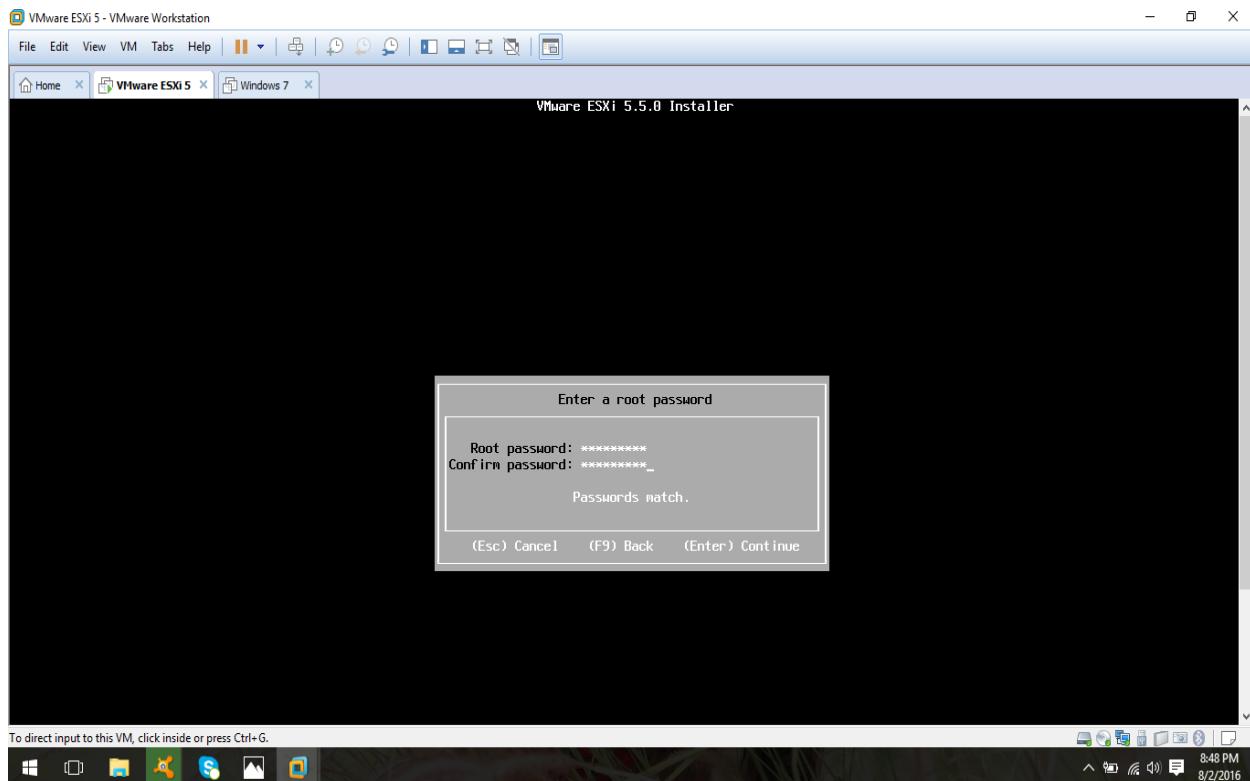
8. Press enter to continue



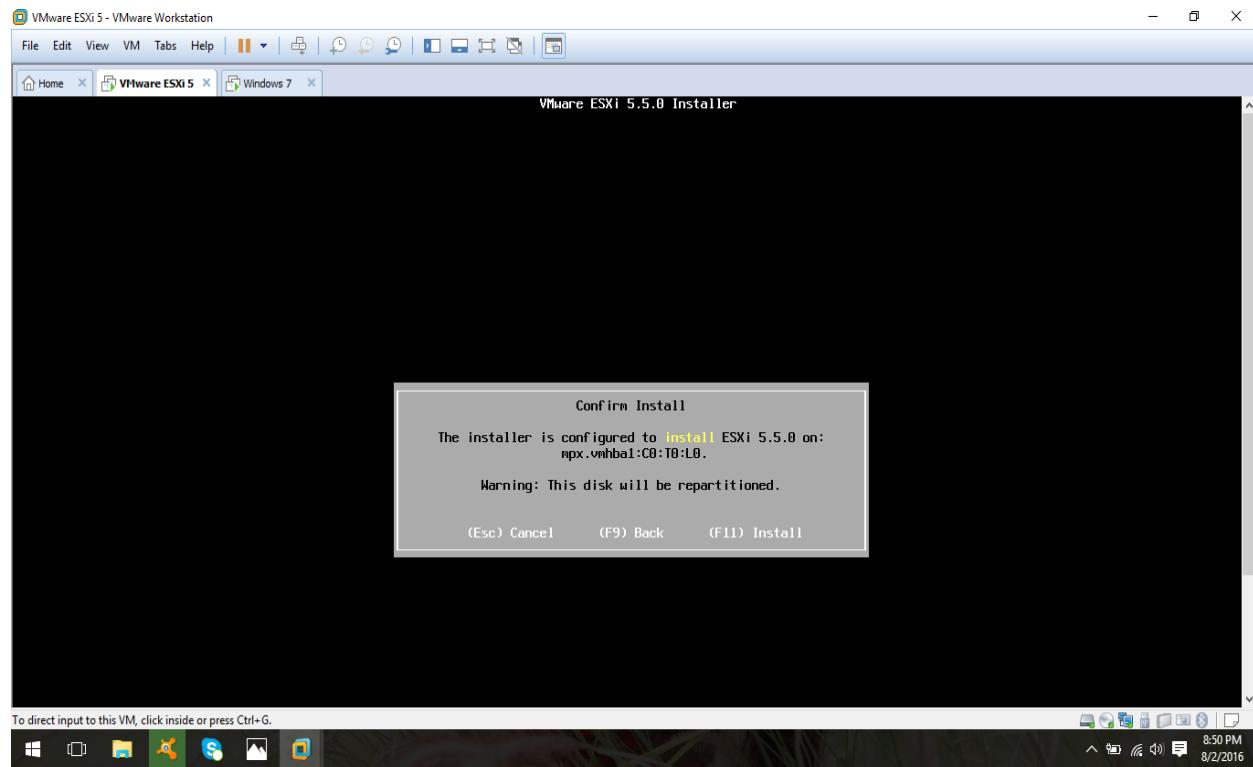
9. Select US default and press Enter to continue



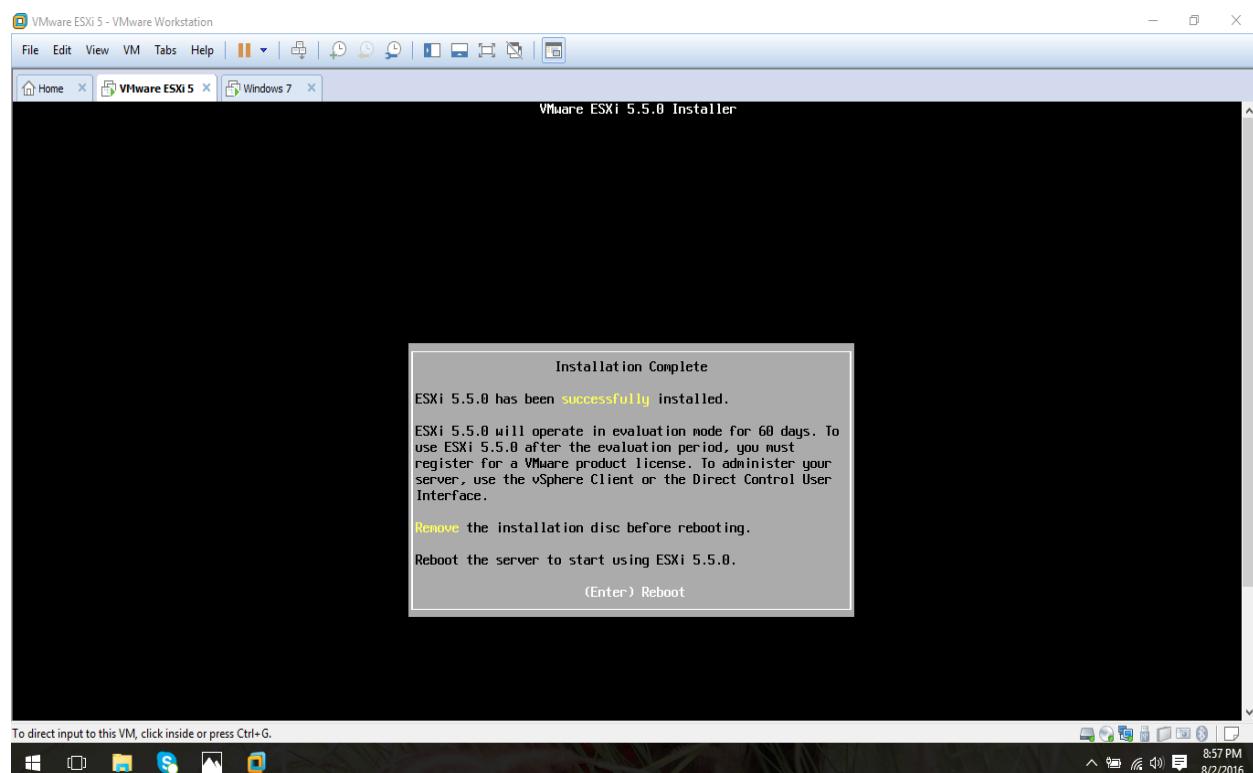
10. Enter a password and Continue



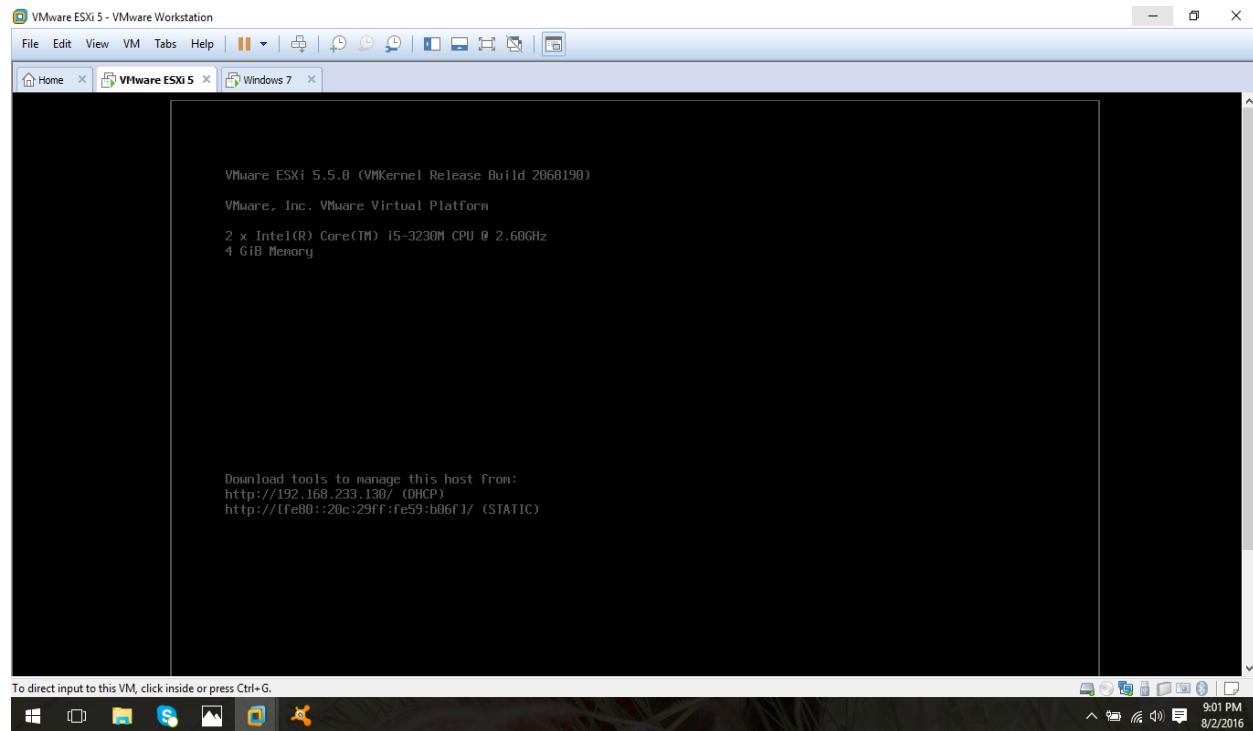
11. Press F11 to Install



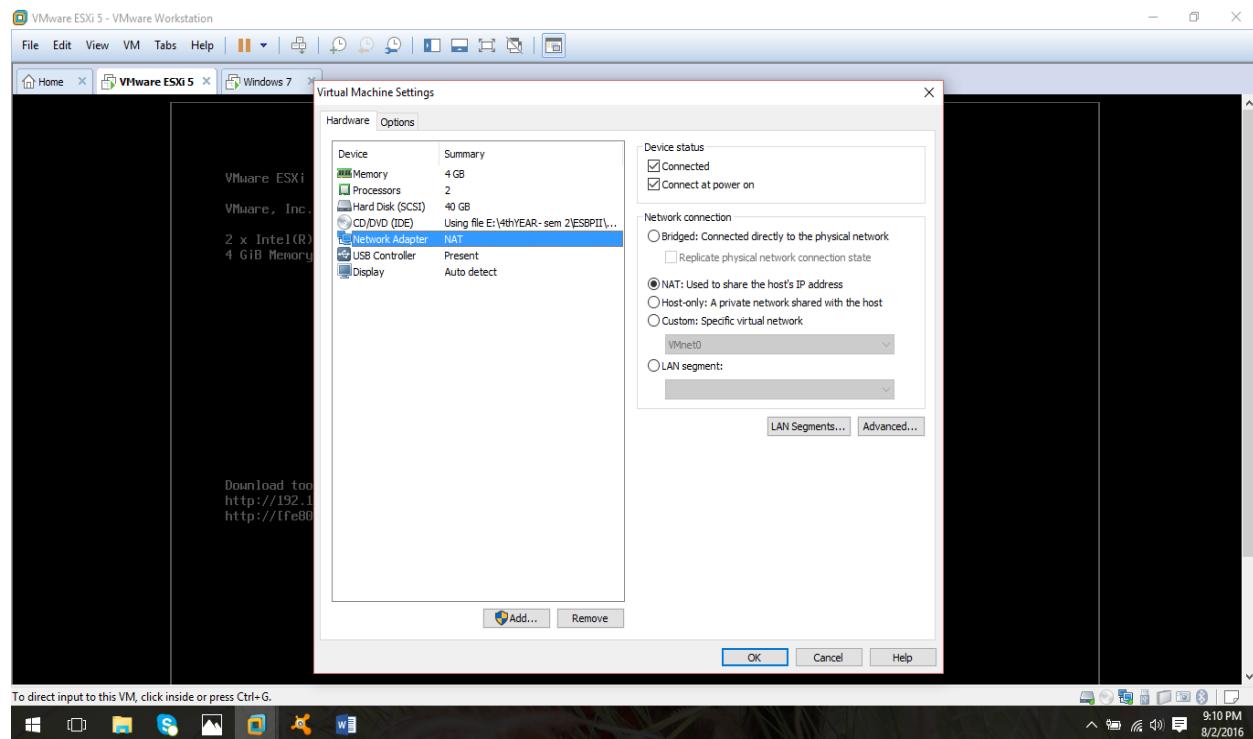
12. Press Enter



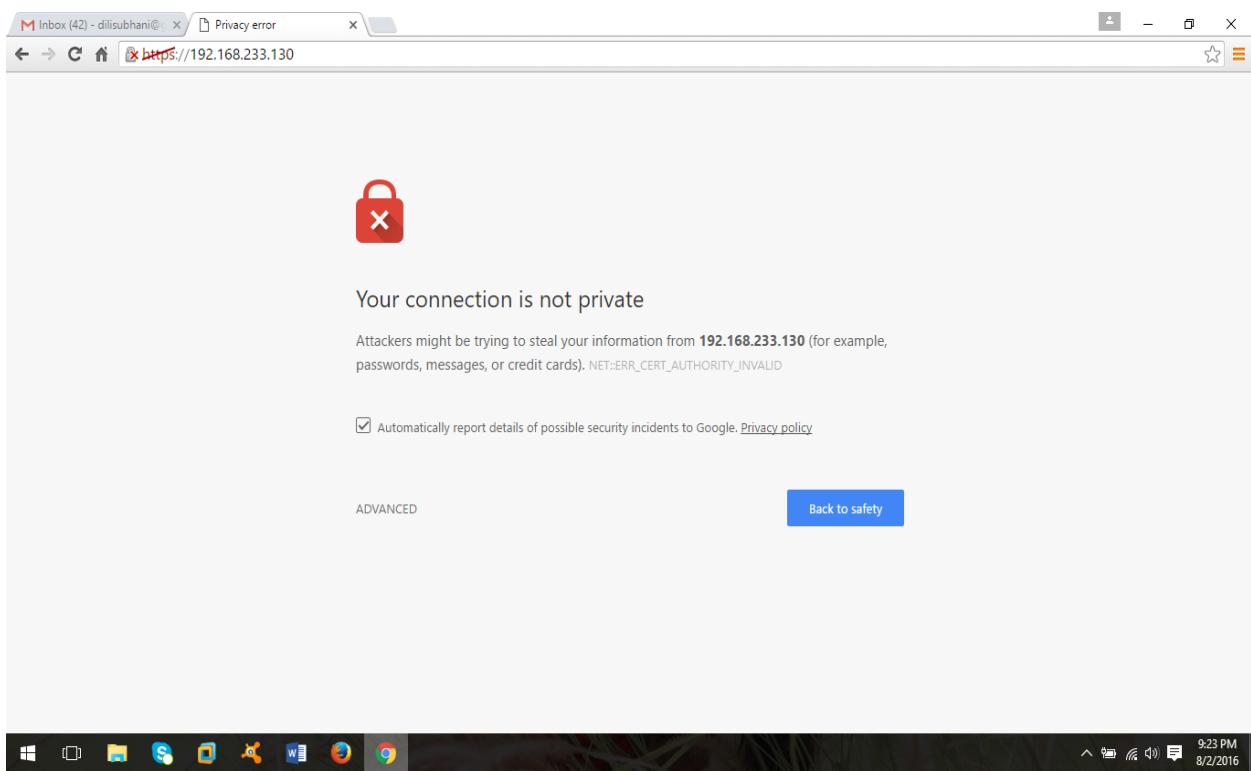
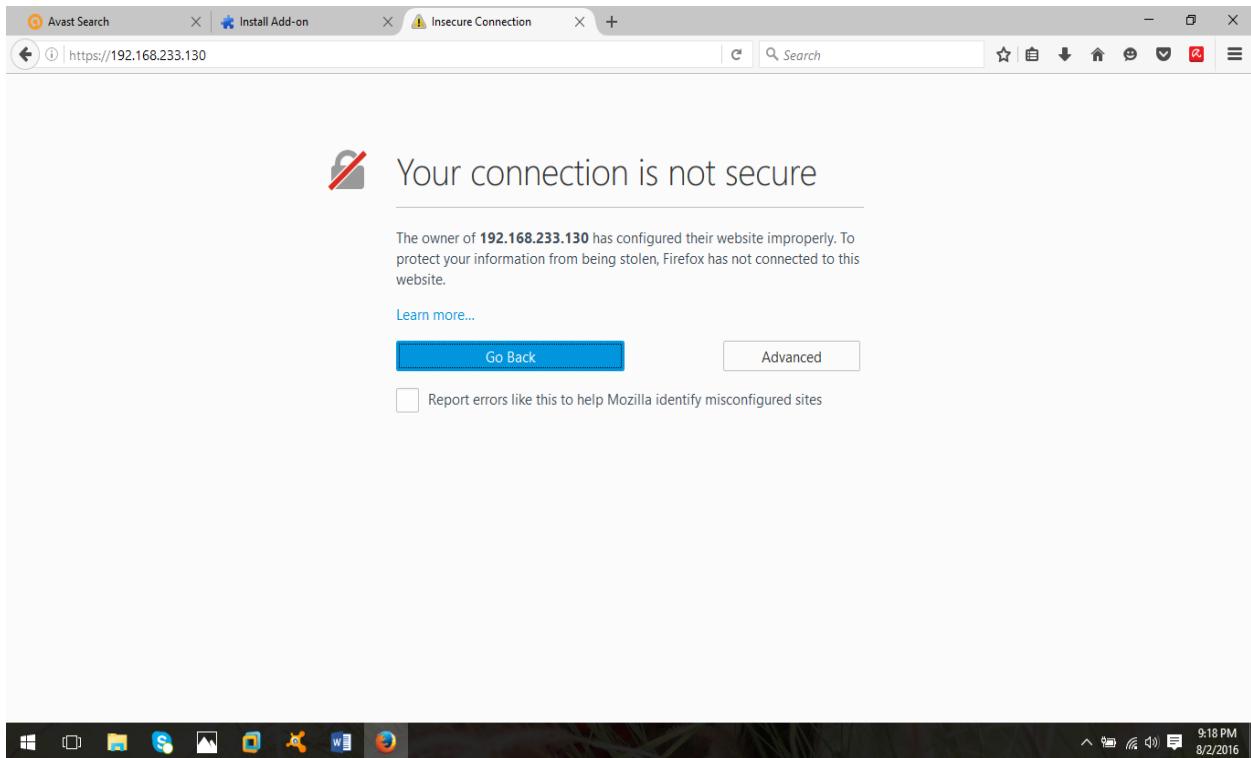
13. Finally it will generate an IP address.



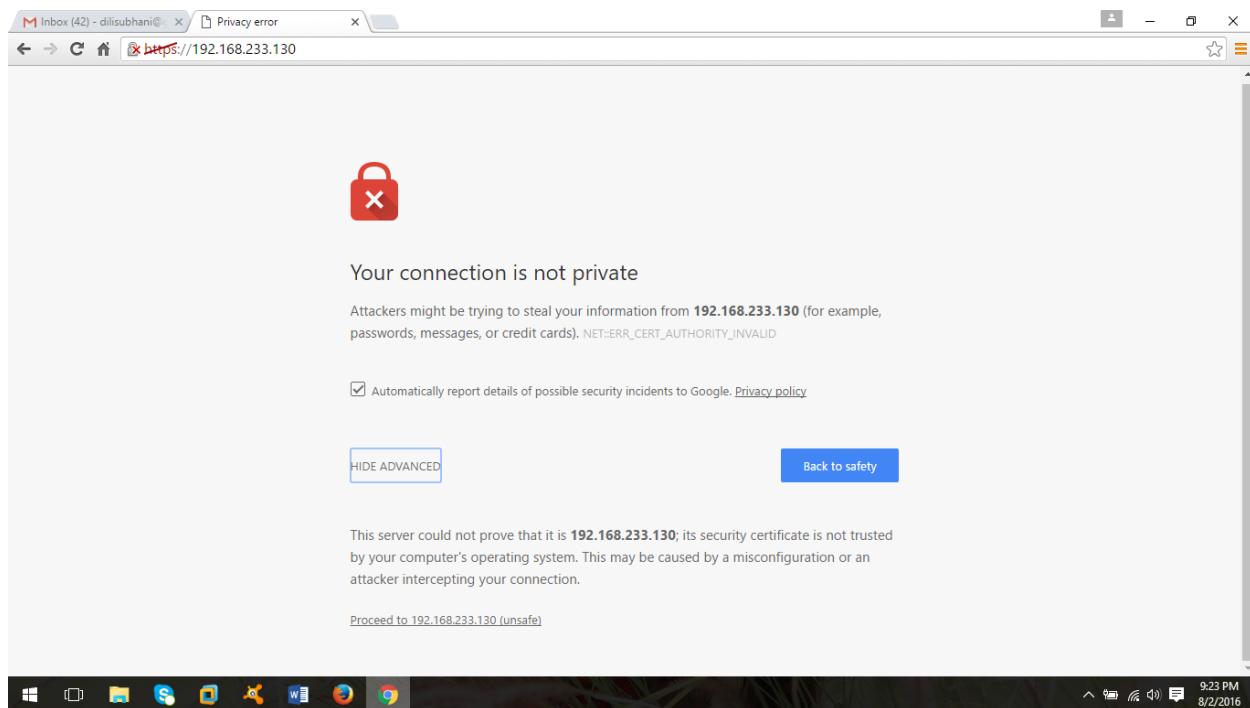
14. To share the host's IP address click on Virtual machine settings -> Select Network Adapter -> Select NAT: Used to share the host's IP address.



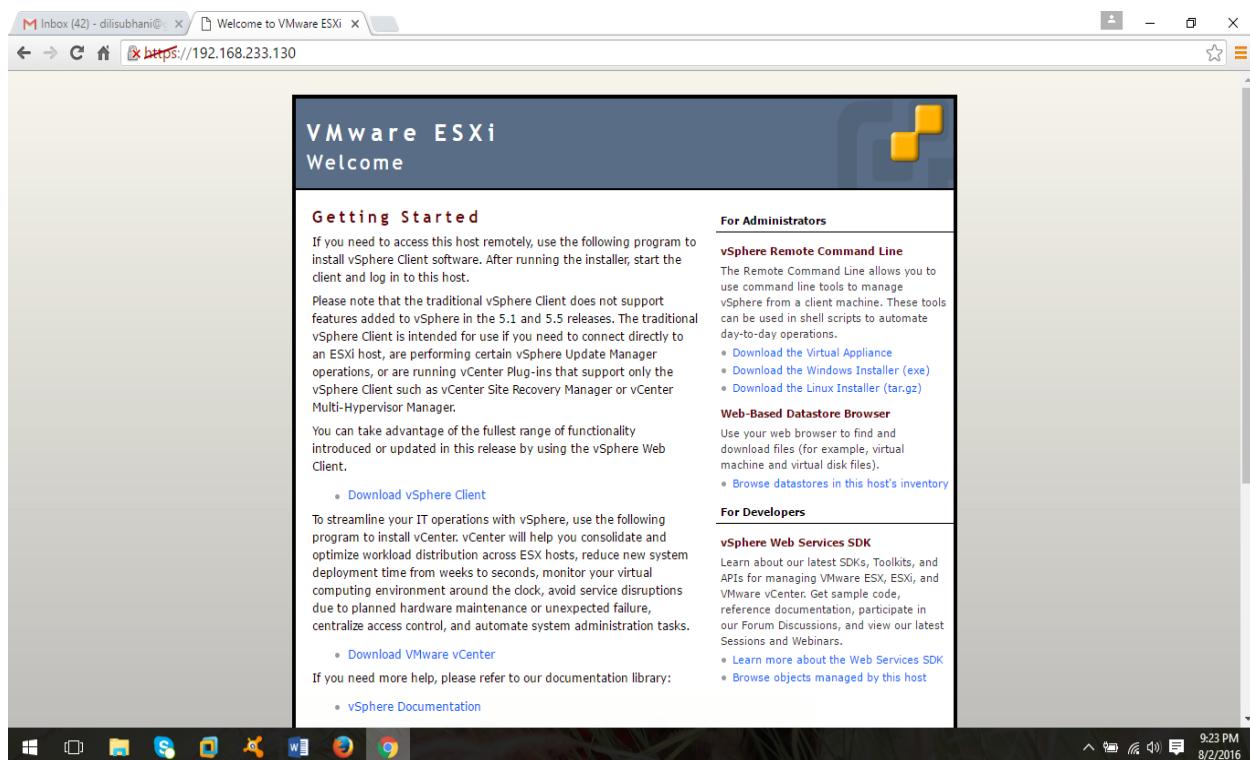
15. Open the URL on a new tab and Click on ADVANCED



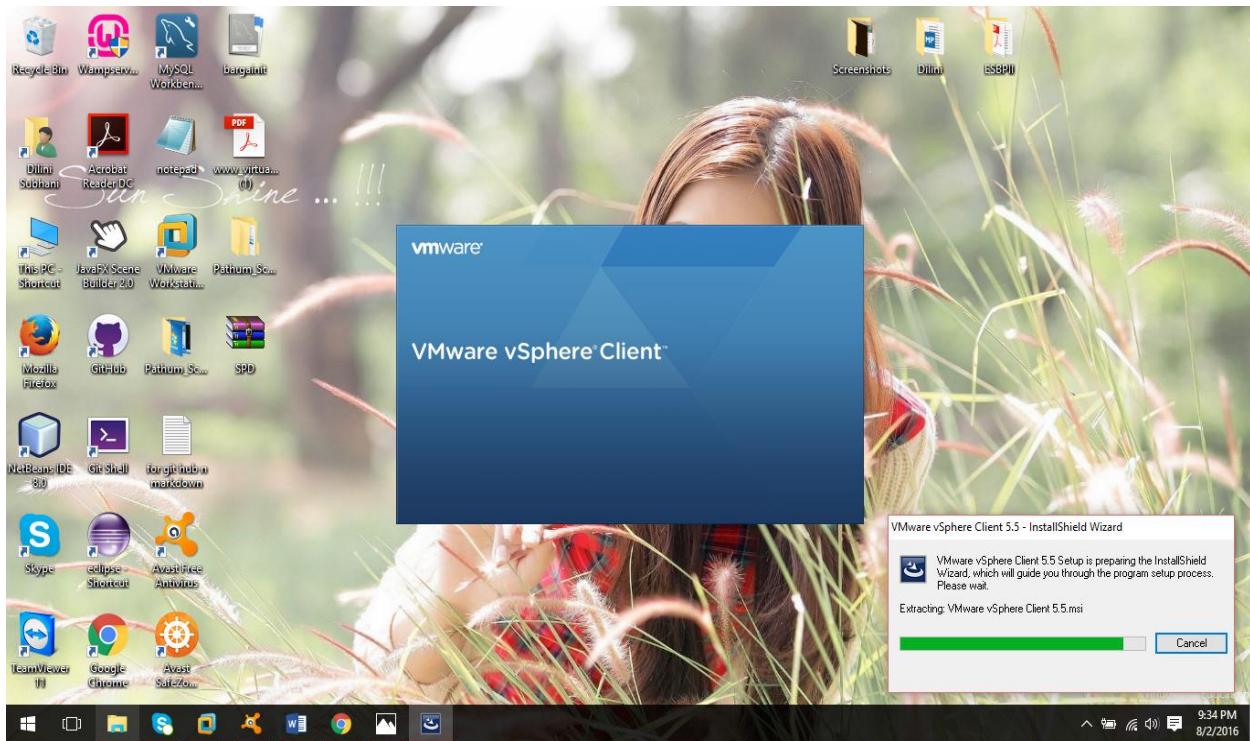
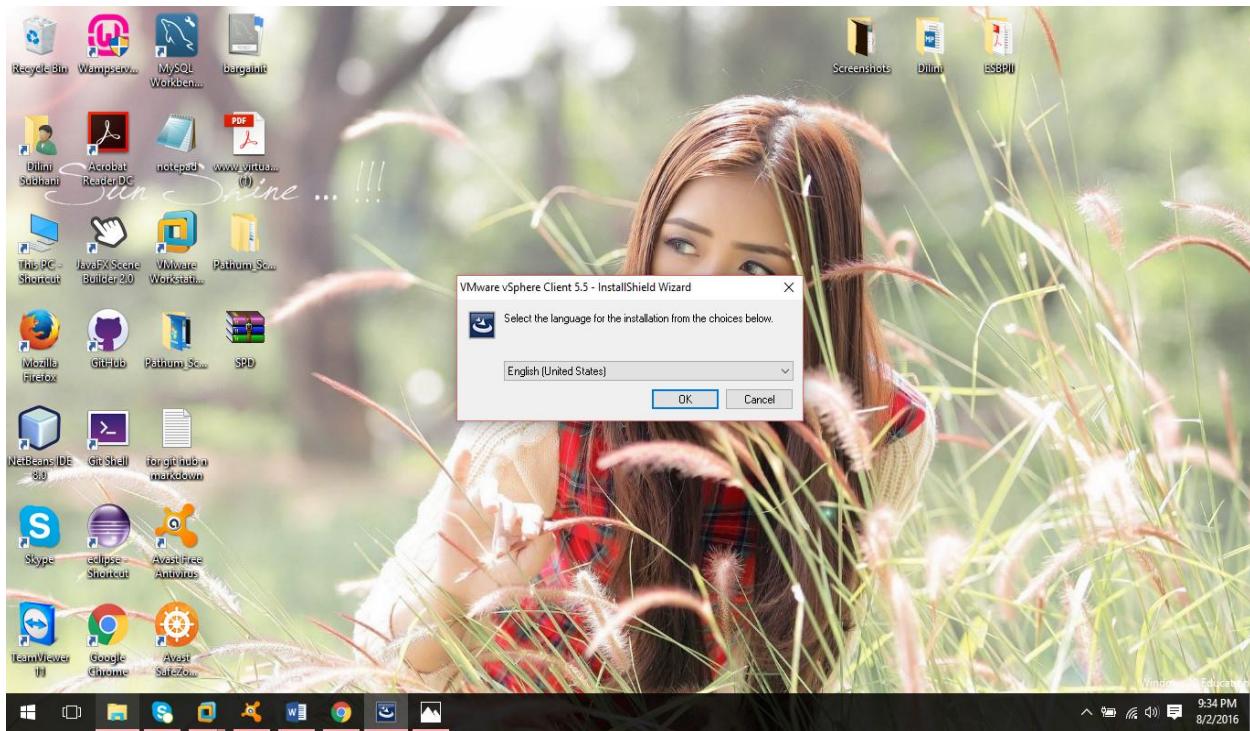
16. Click on ‘Proceed to 192.168.27.129(unsafe) ‘

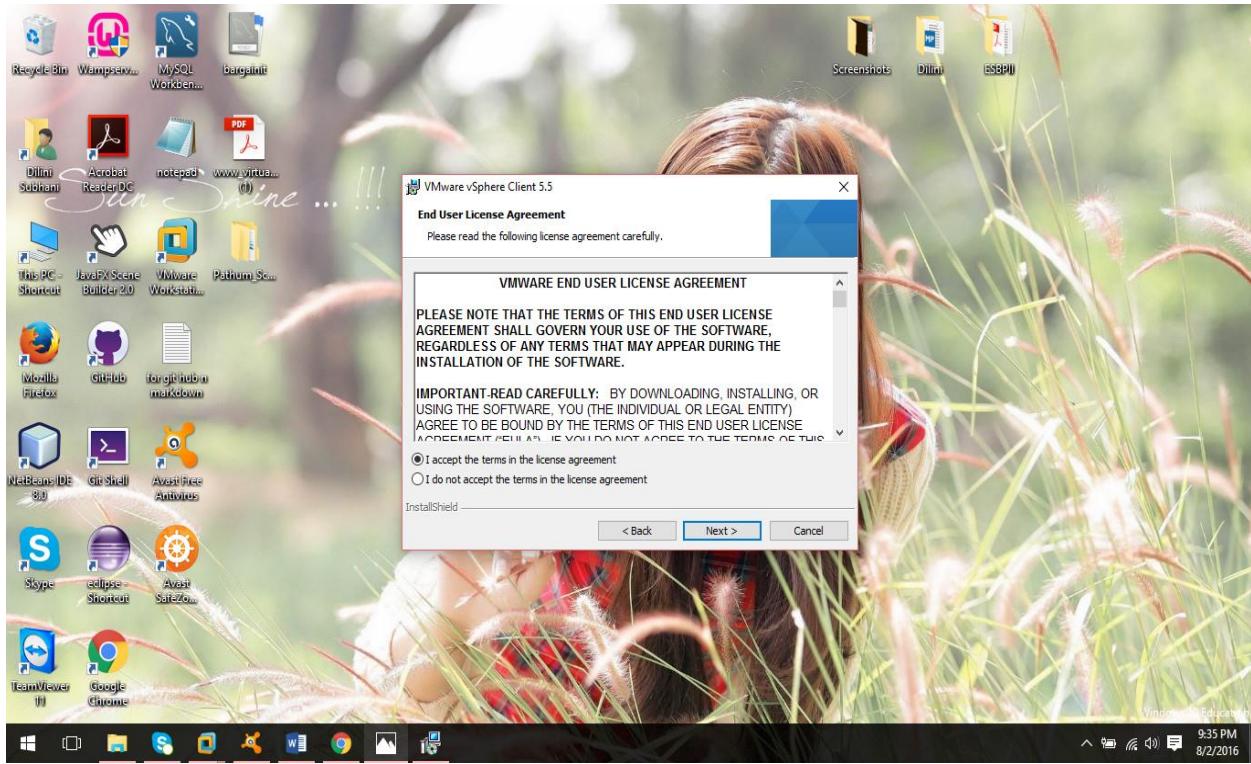
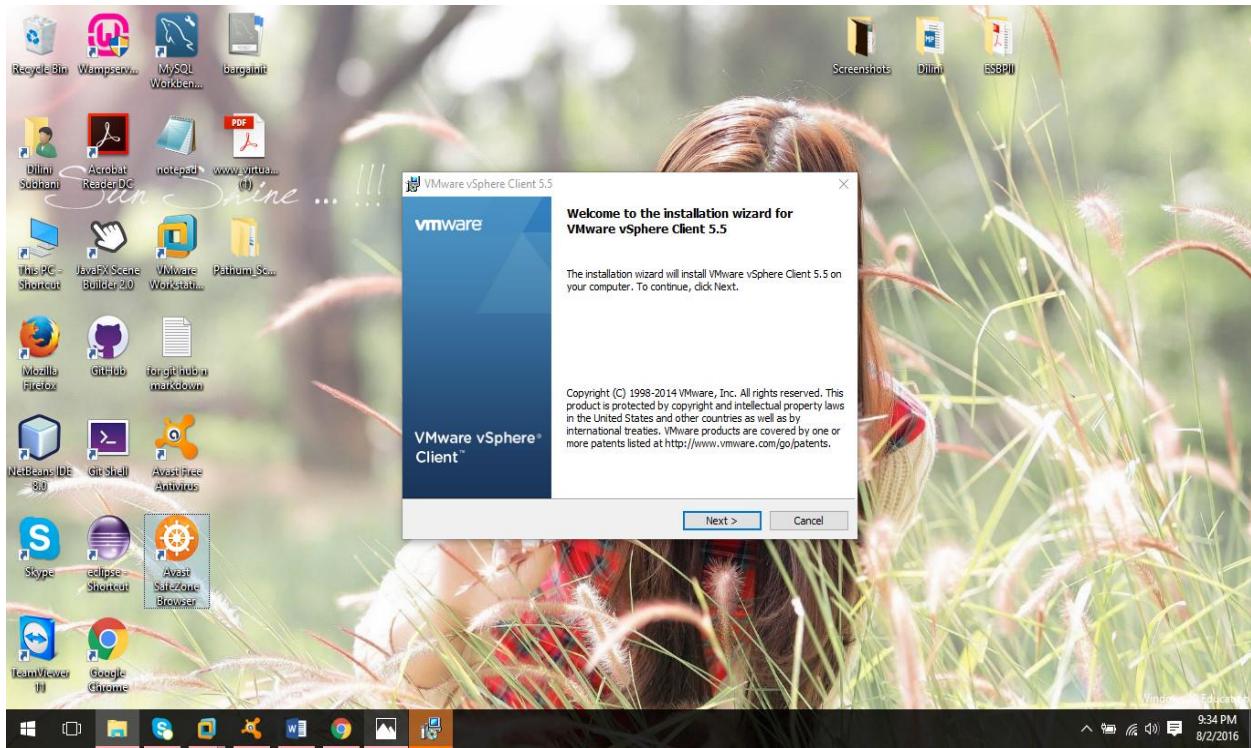


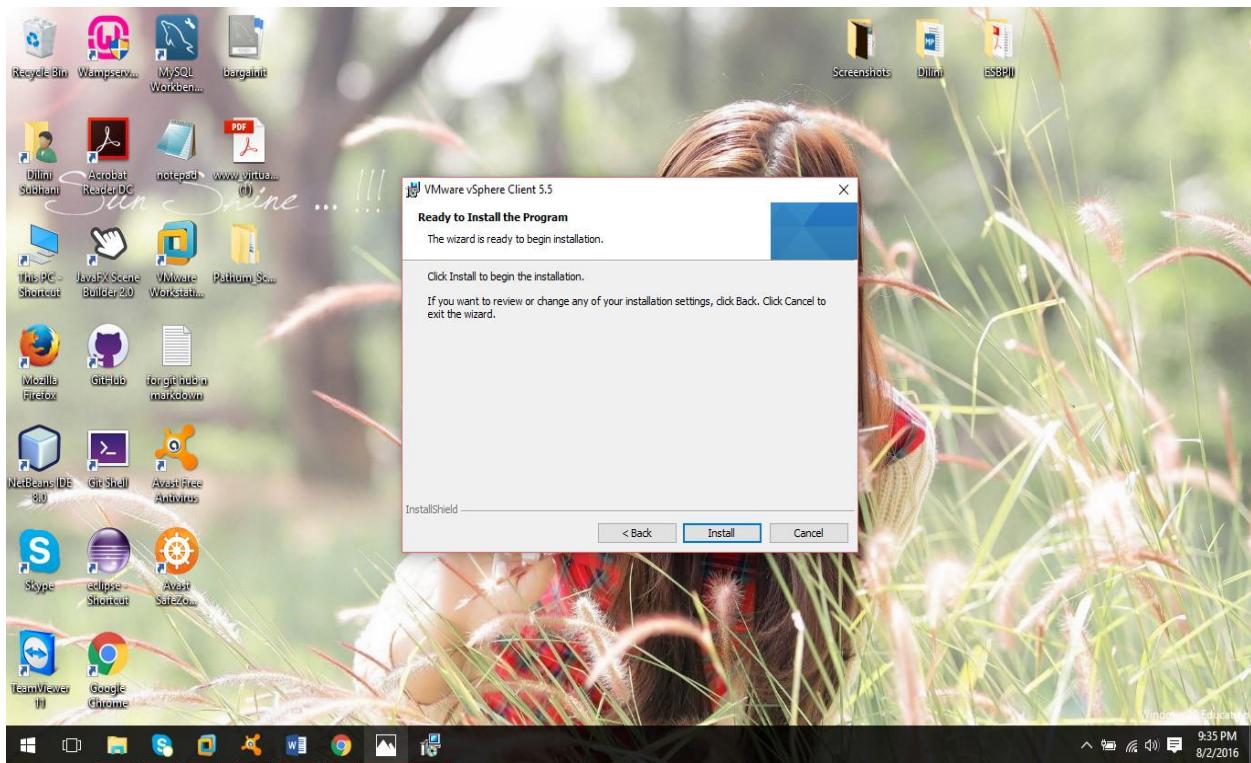
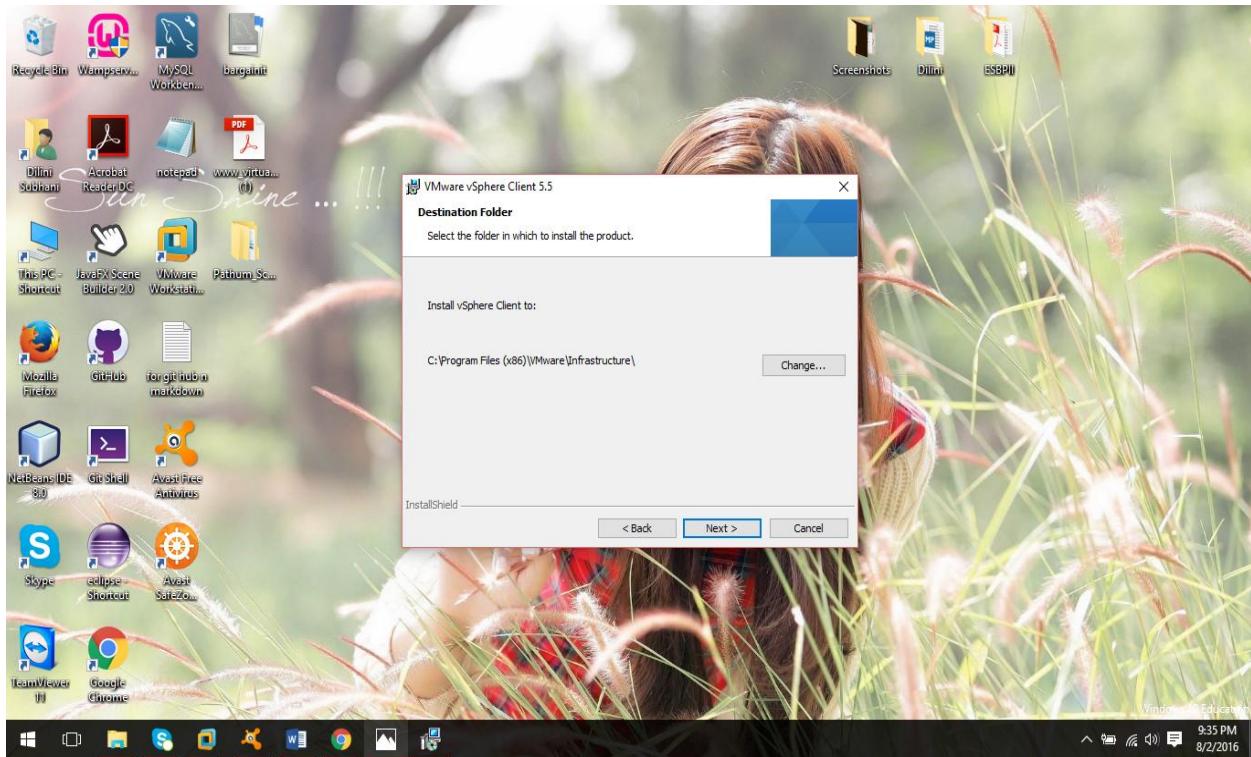
17. Then click on ‘Download vSphere Client ‘. Setup will be downloaded and it will take few minutes to finish.

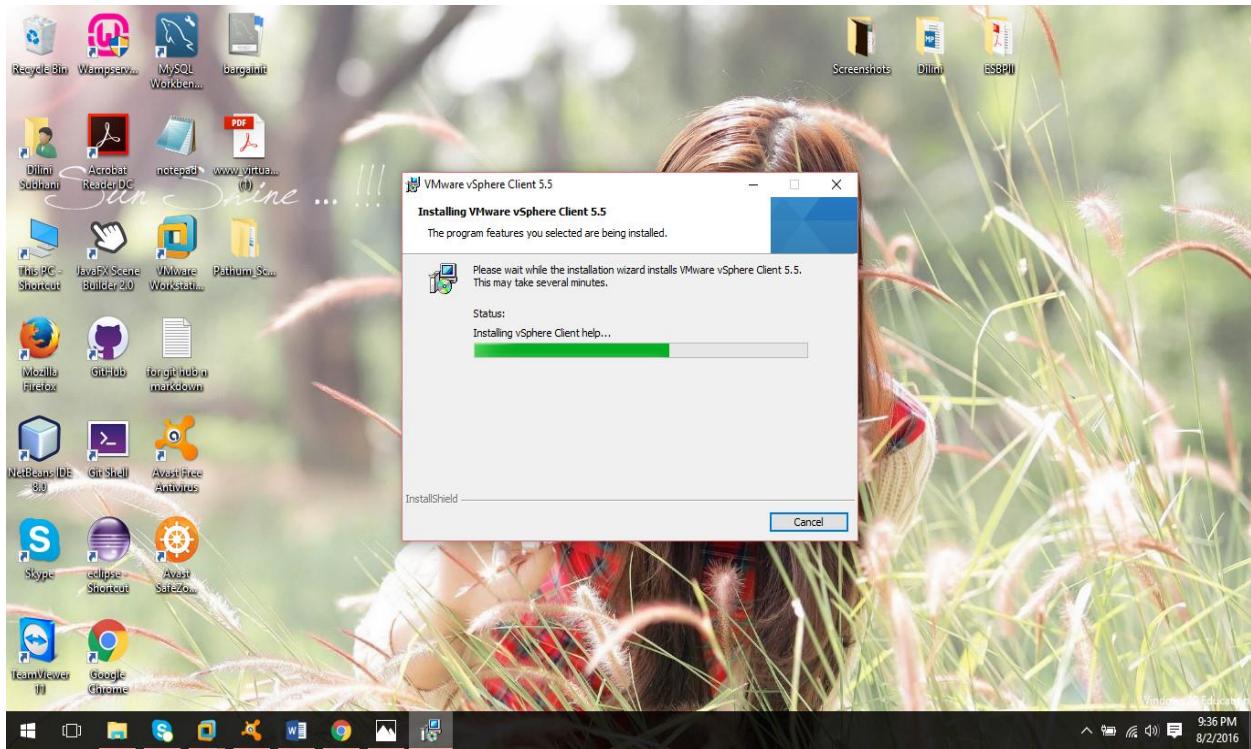
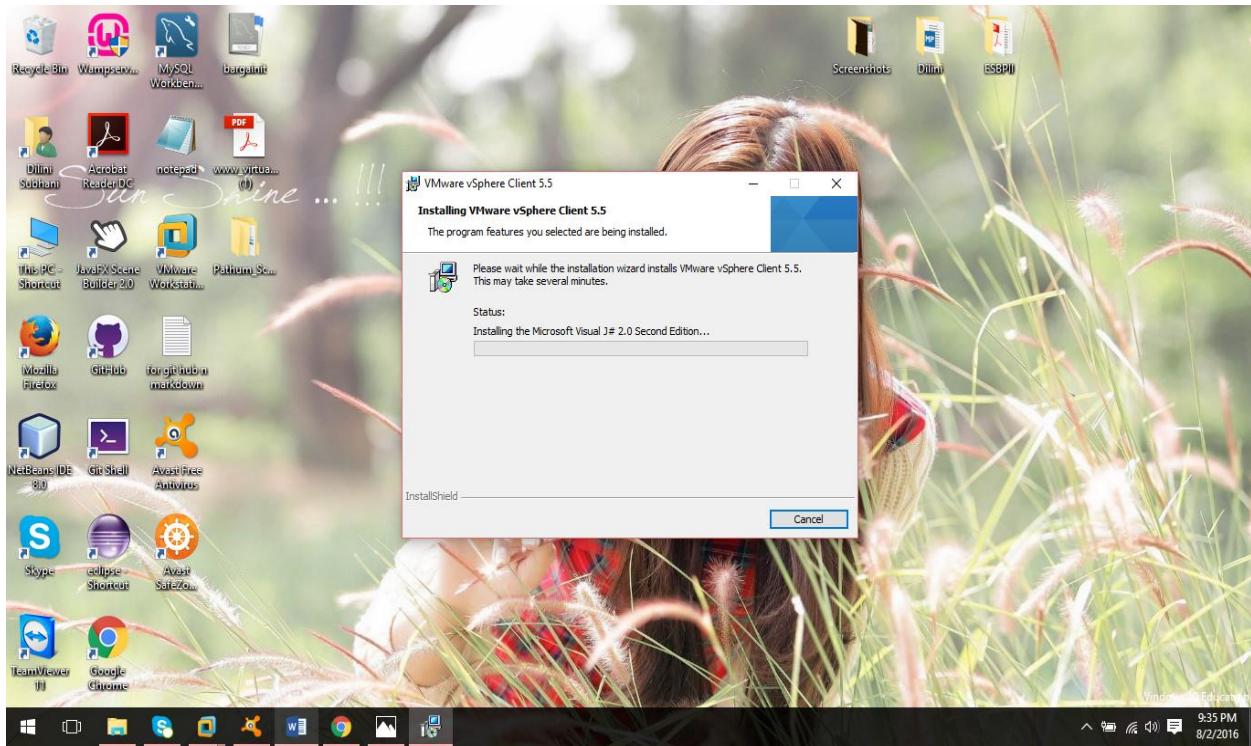


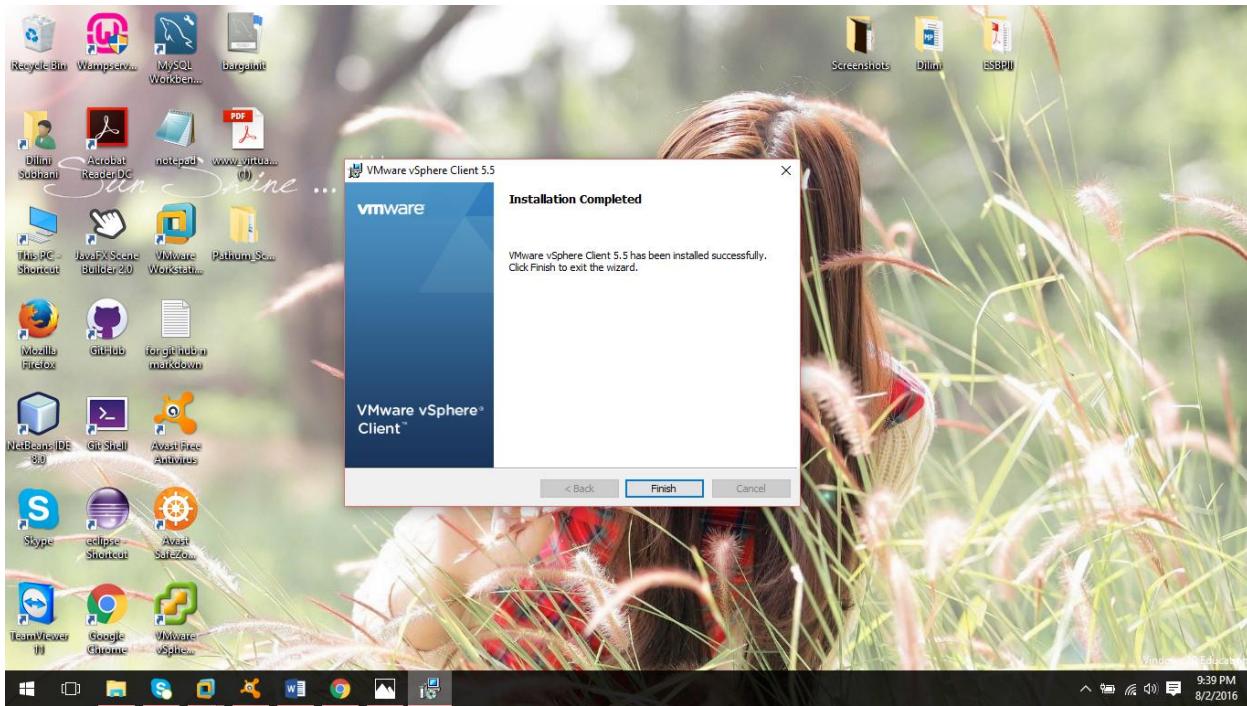
18. After Download has finished install the setup.



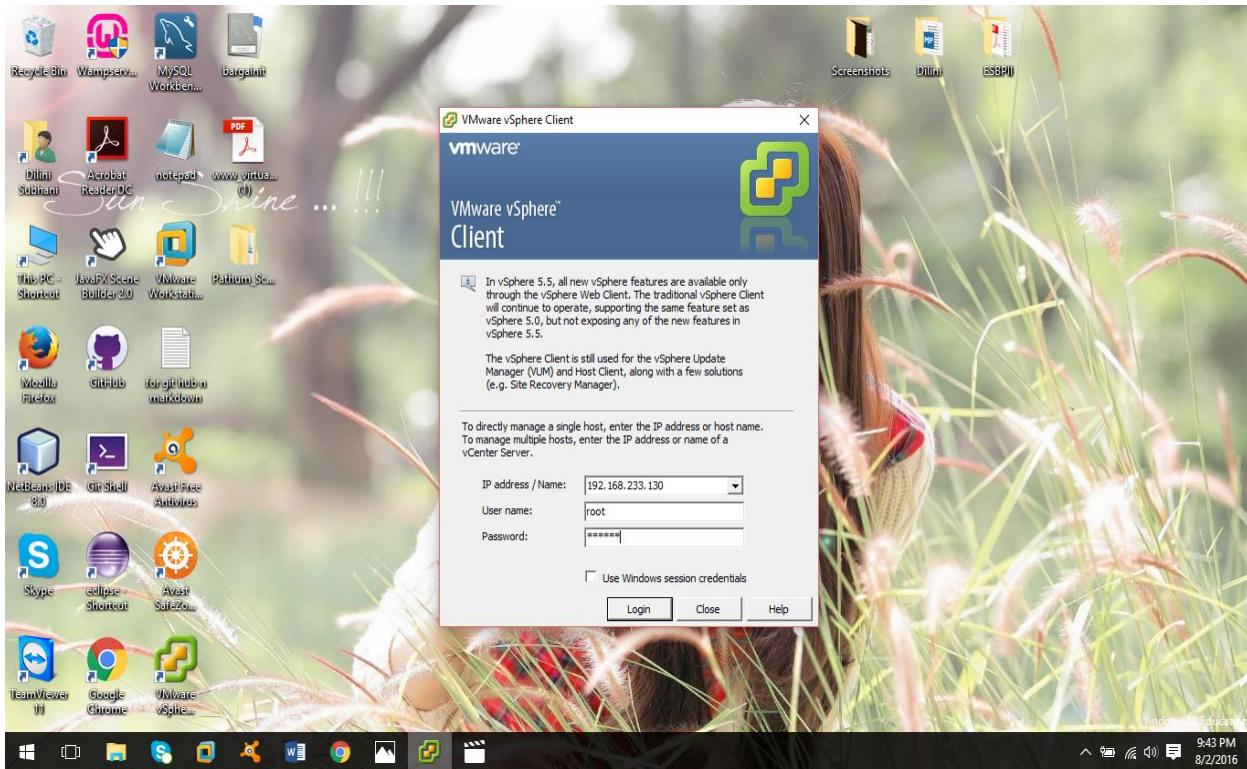


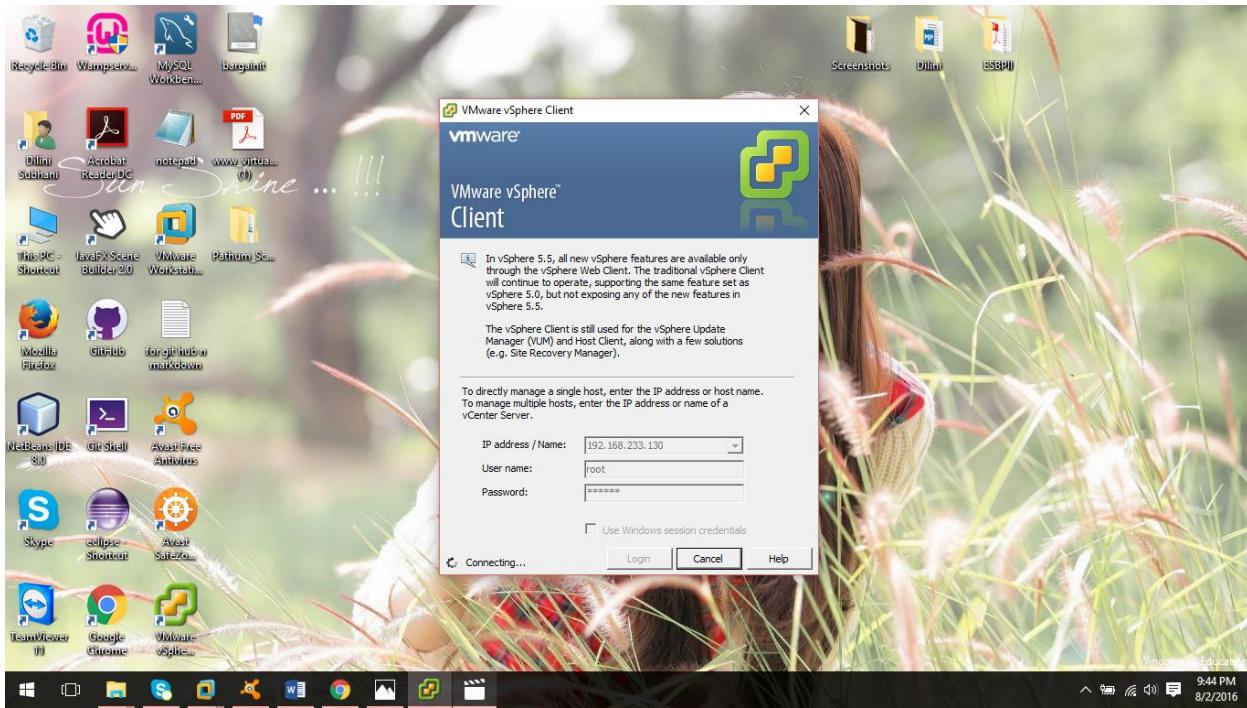




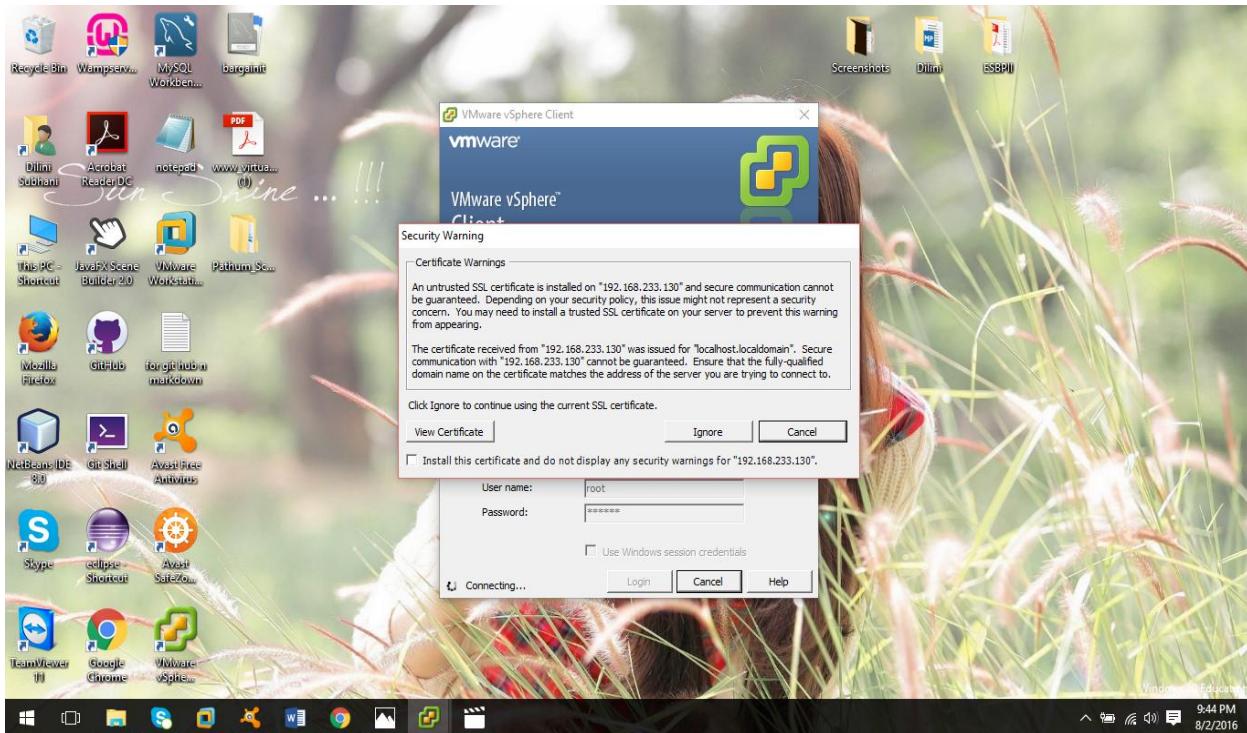


19. Start the vSphere Client by opening Start > All Programs > VMware > VMware Sphere Client. This will open up the vSphere Client login page. On this page, provide the IP address for your ESXi 5 host and also provide the root username and password that you specified during the setup of your server.

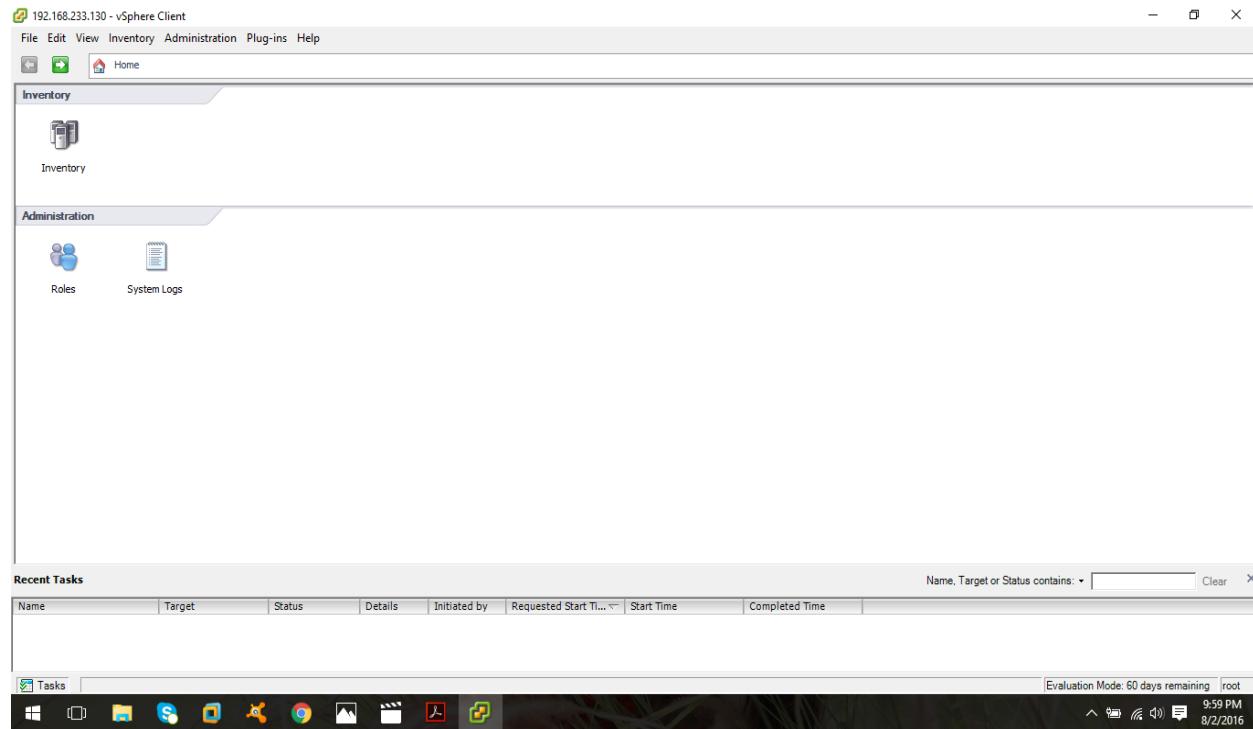




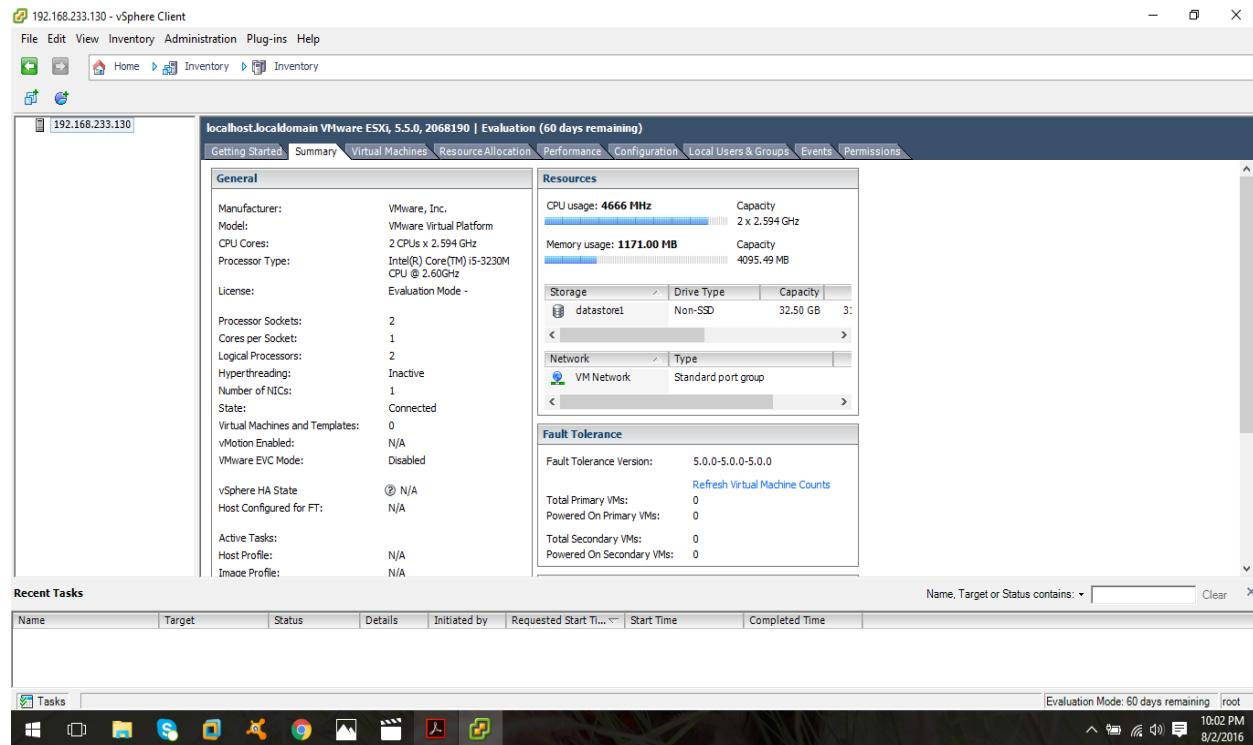
20. You will receive a security warning and it is basically telling you that SSL certificate being used by the ESXi host can't be trusted. However, since you just installed the ESXi server, you're generally sage simply clicking the Ignore button here, although you can also choose to install the certificate to your local certificate store so that you don't see this message again.

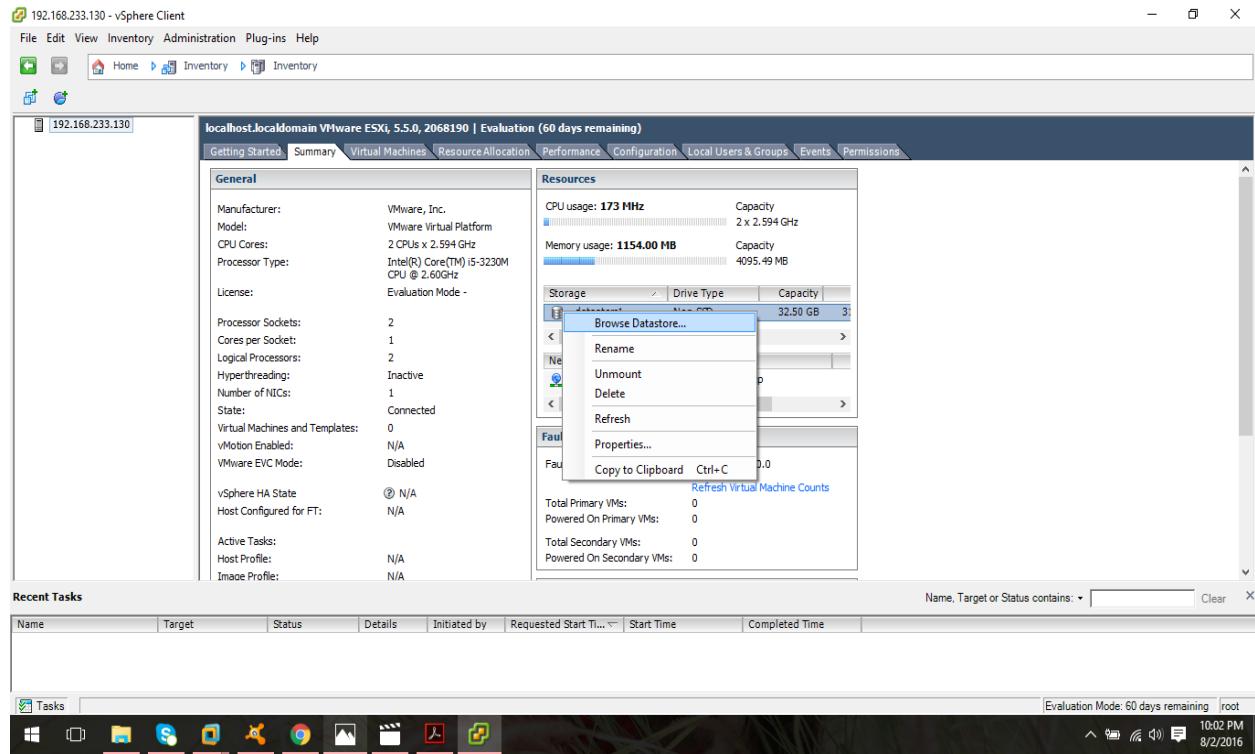


21. Then you will be redirected to the home page. Double click on Inventory image button to see server IP address.

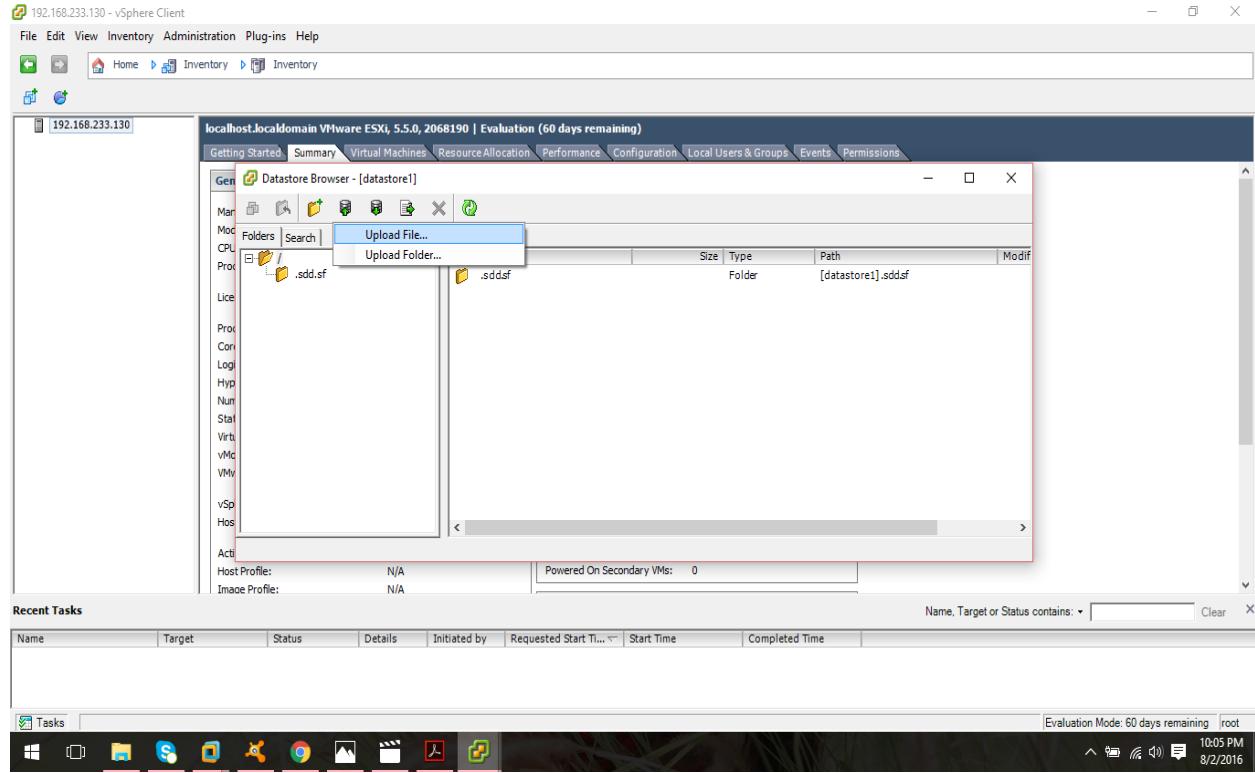


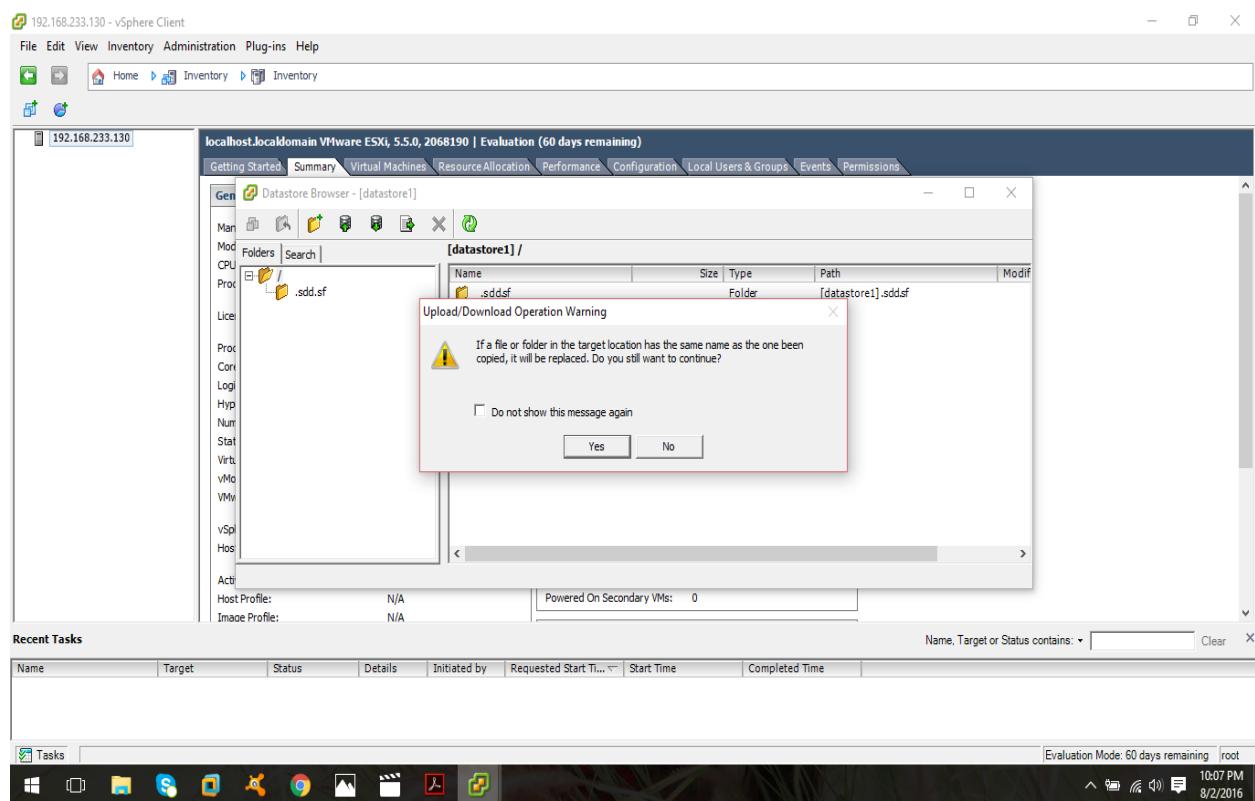
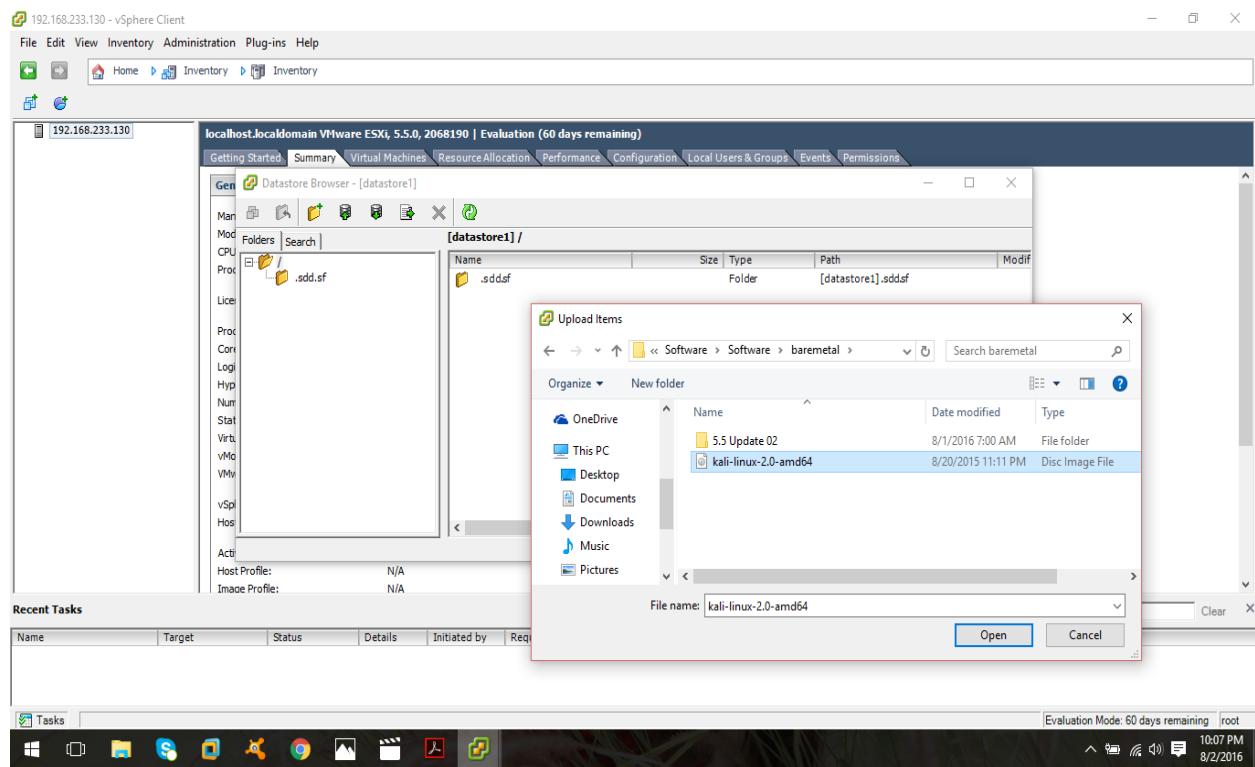
22. Click on summary tab and it shows storage area at right corner.Right click on datastore1 and select browse data.



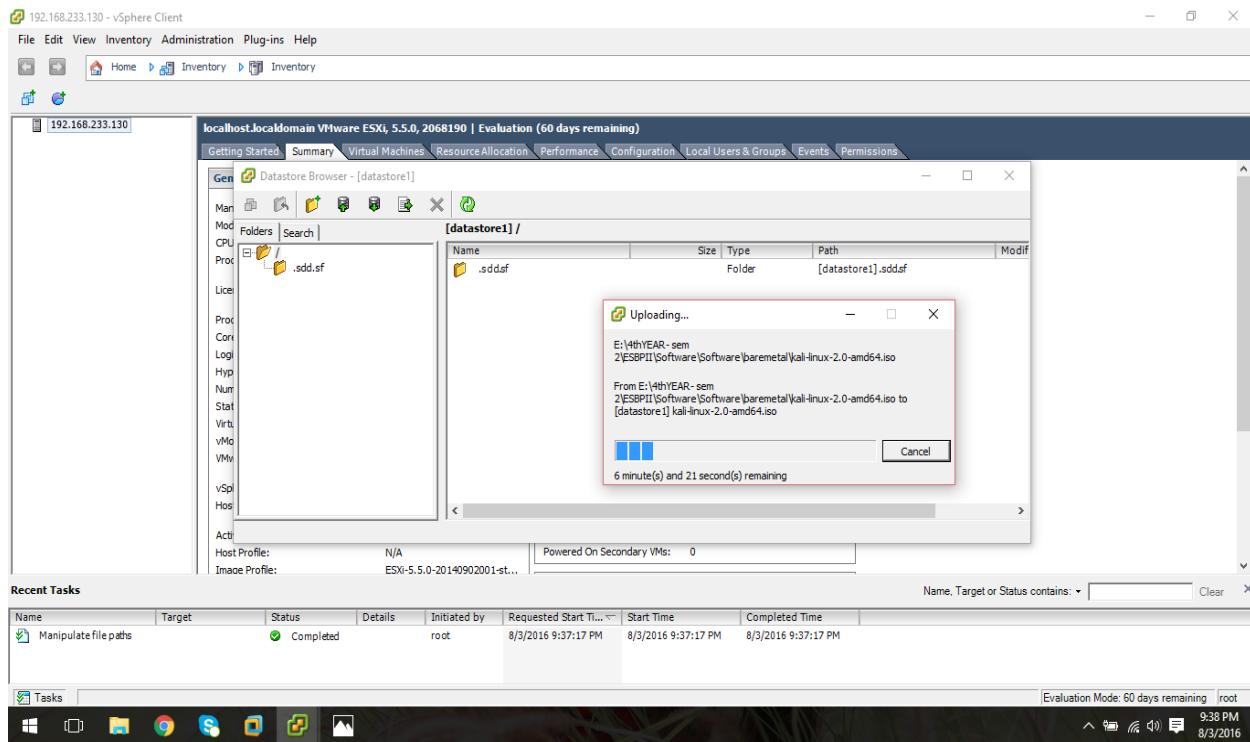


23. Select 5th icon (upload files to this datastore) from tool bar to upload a disk image of a new operating system that you want to install. Click on Upload file and select an operating system that you want to install. Here I'm going to install Kali-linux Operating system.

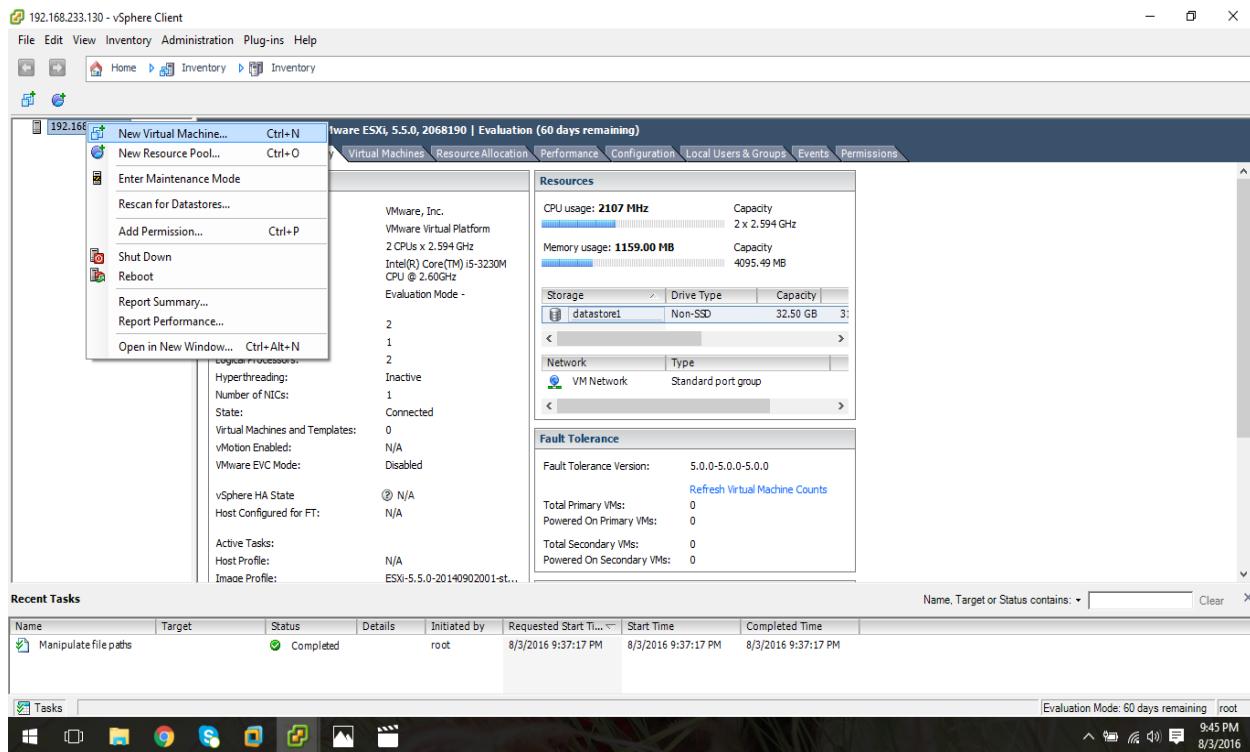


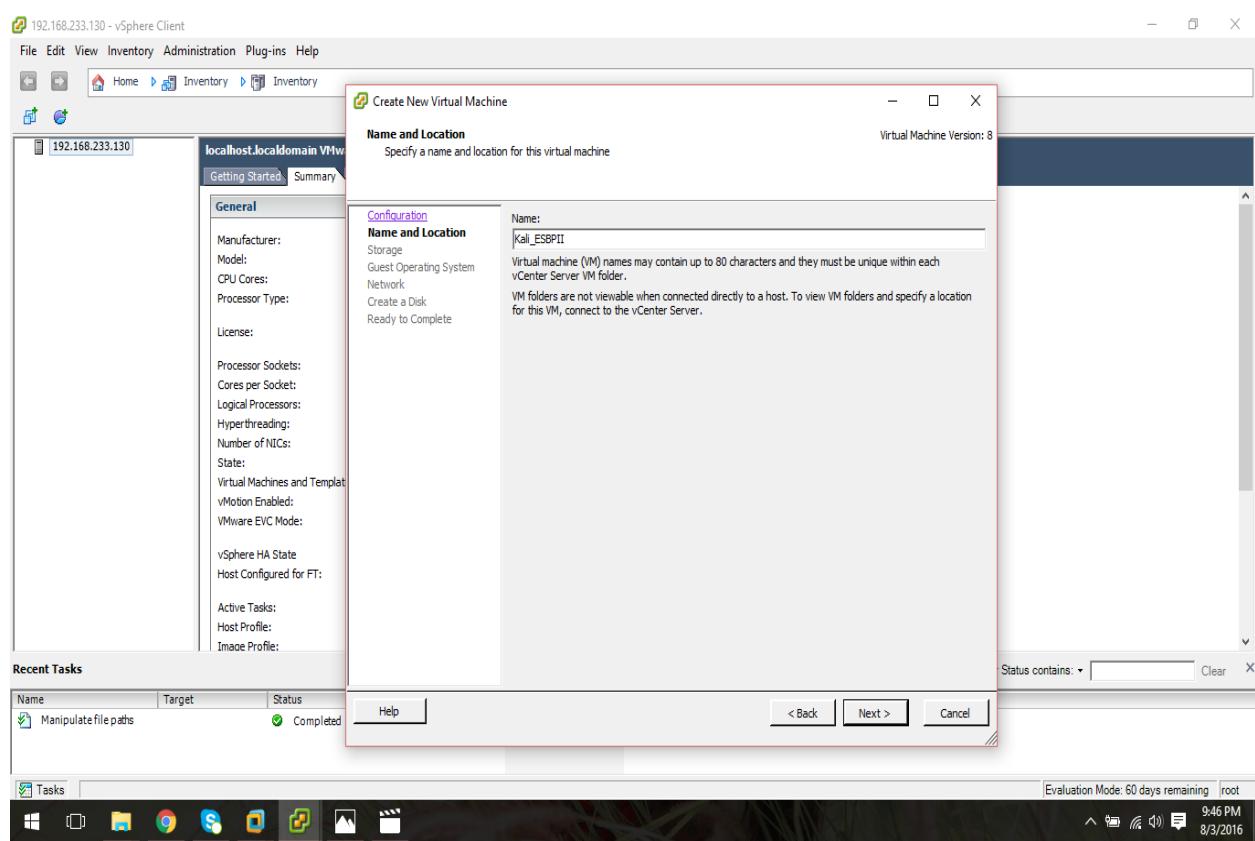
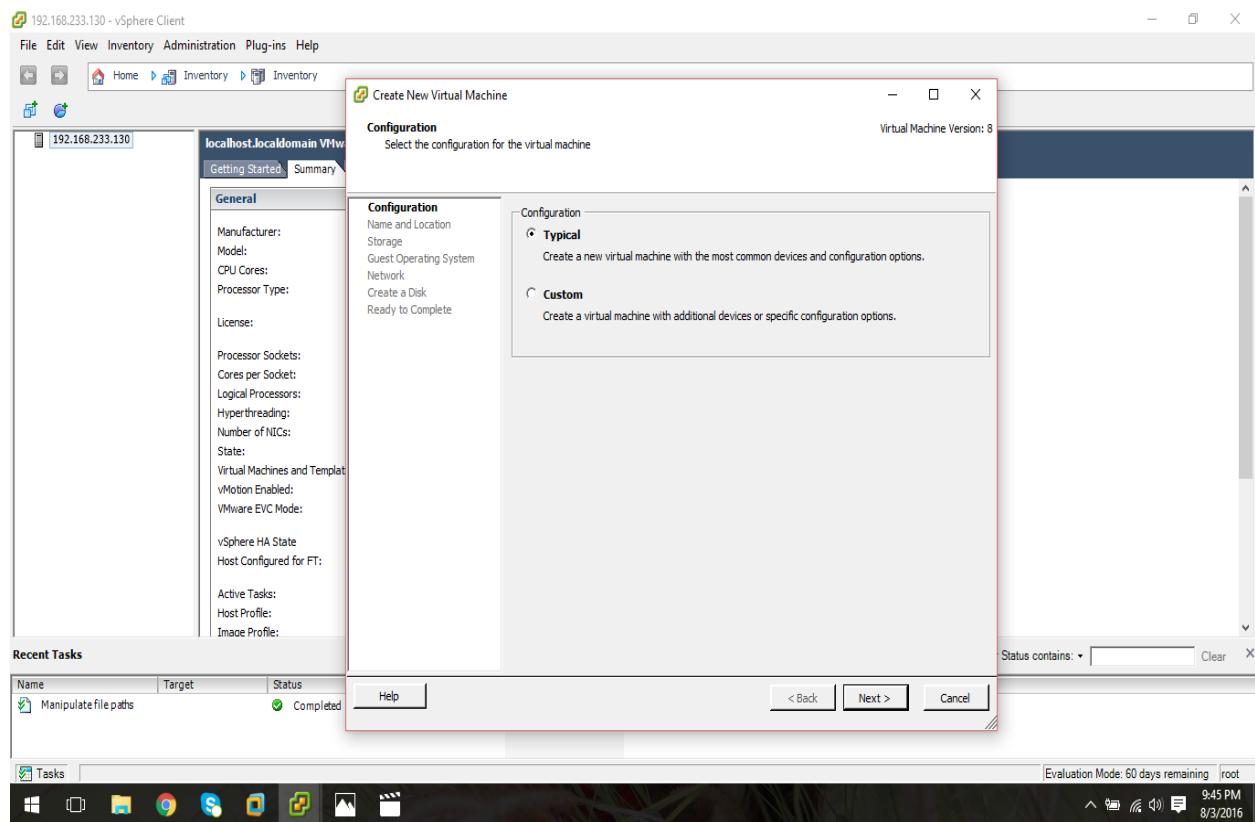


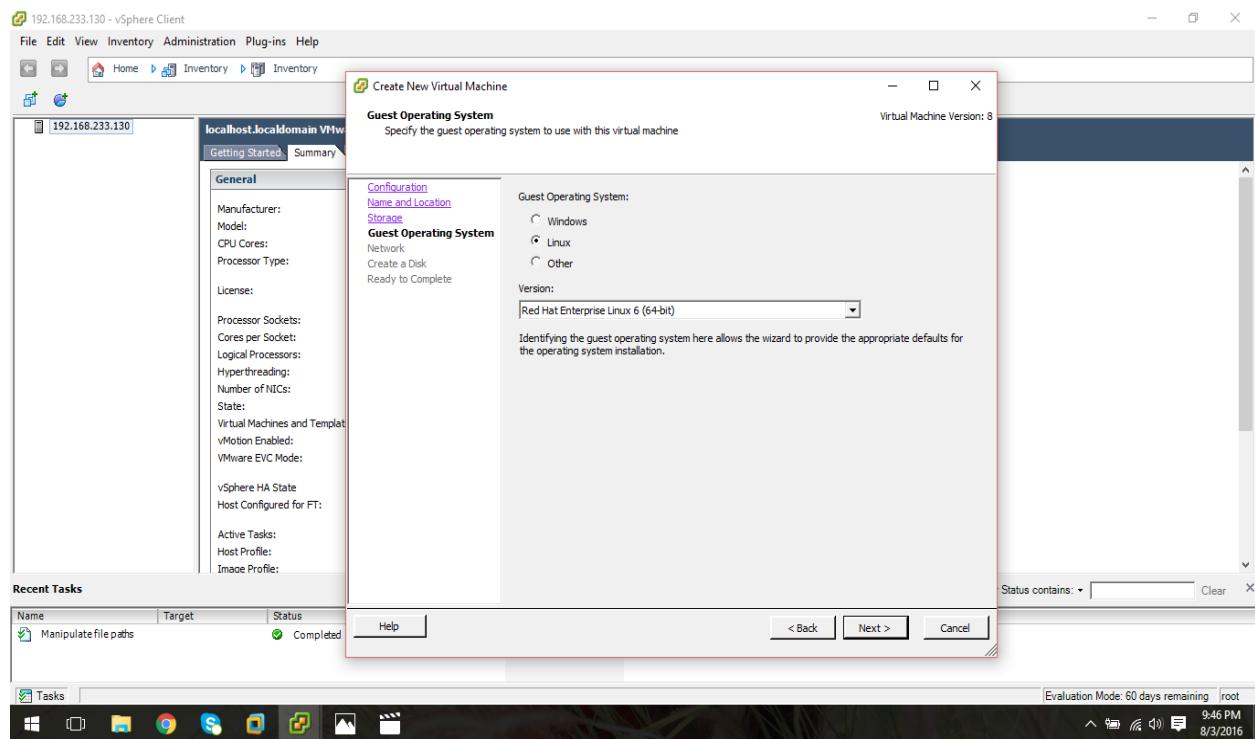
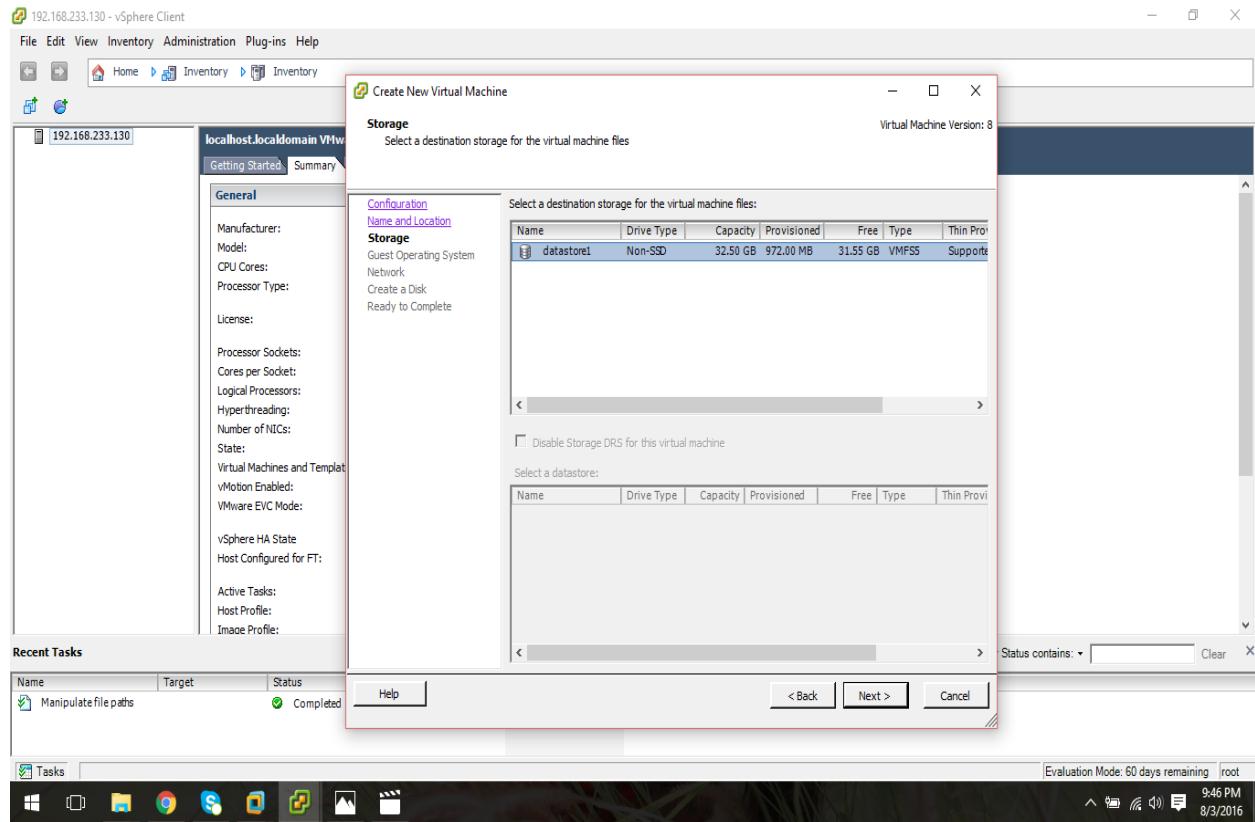
24. It will takes few minutes to upload.

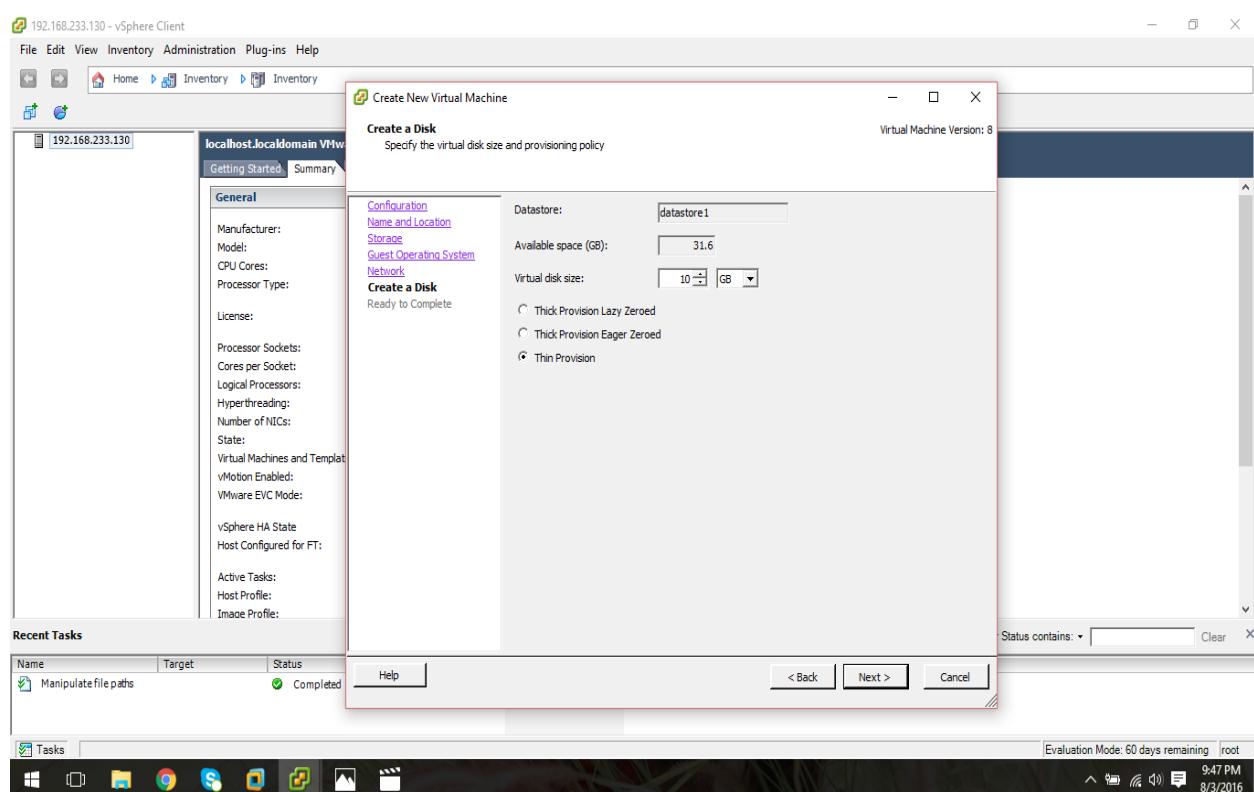
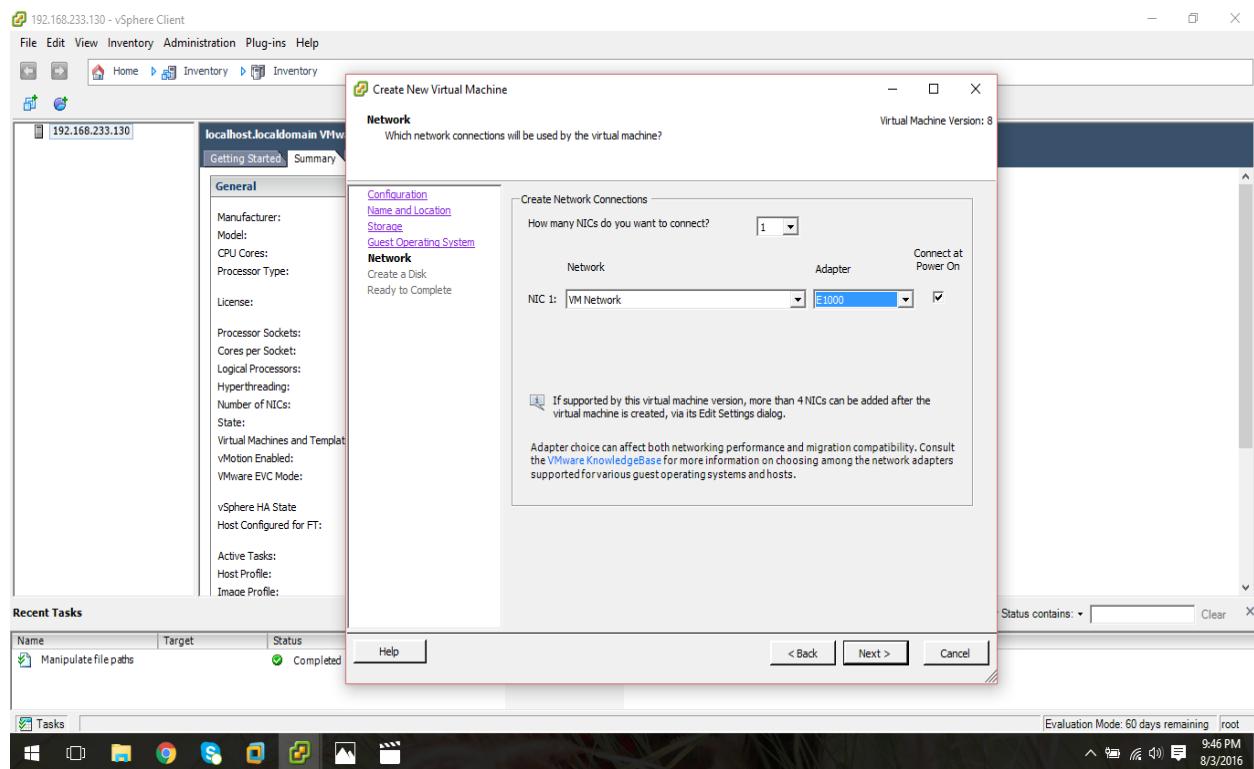


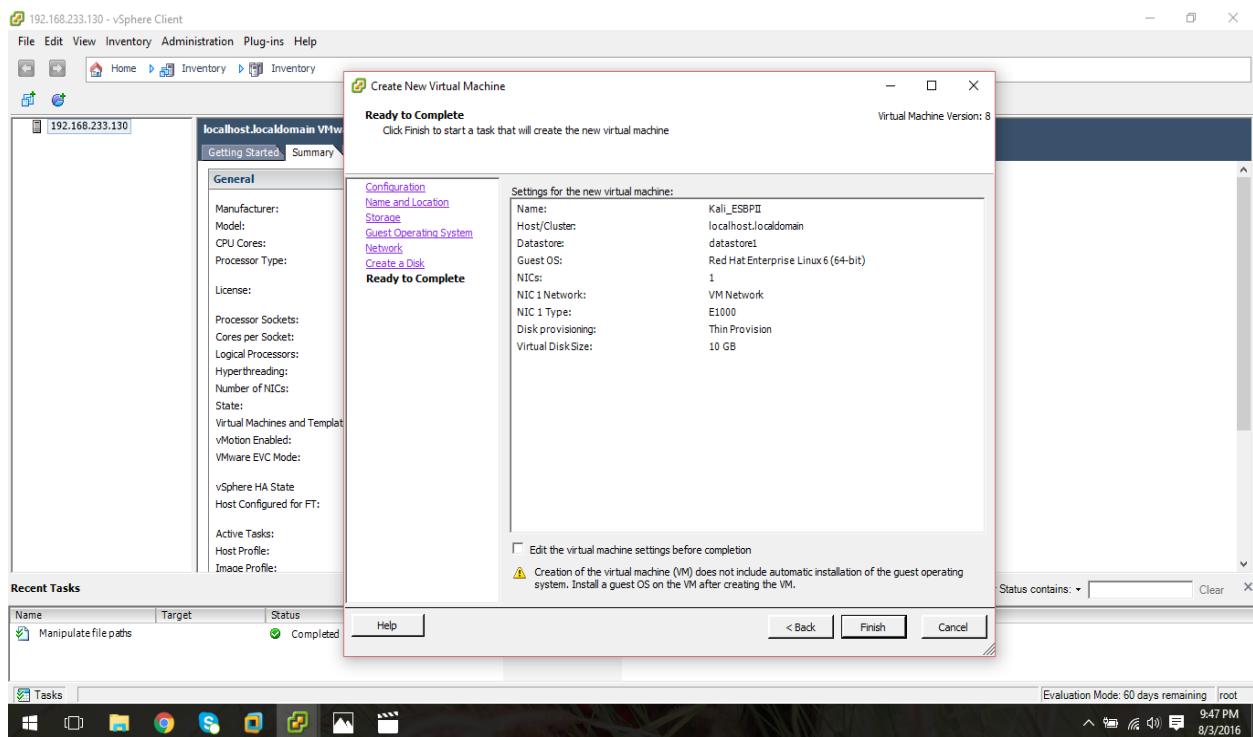
25. Right click your server IP address and choose New Virtual Machine. And do the following steps to create the virtual machine.



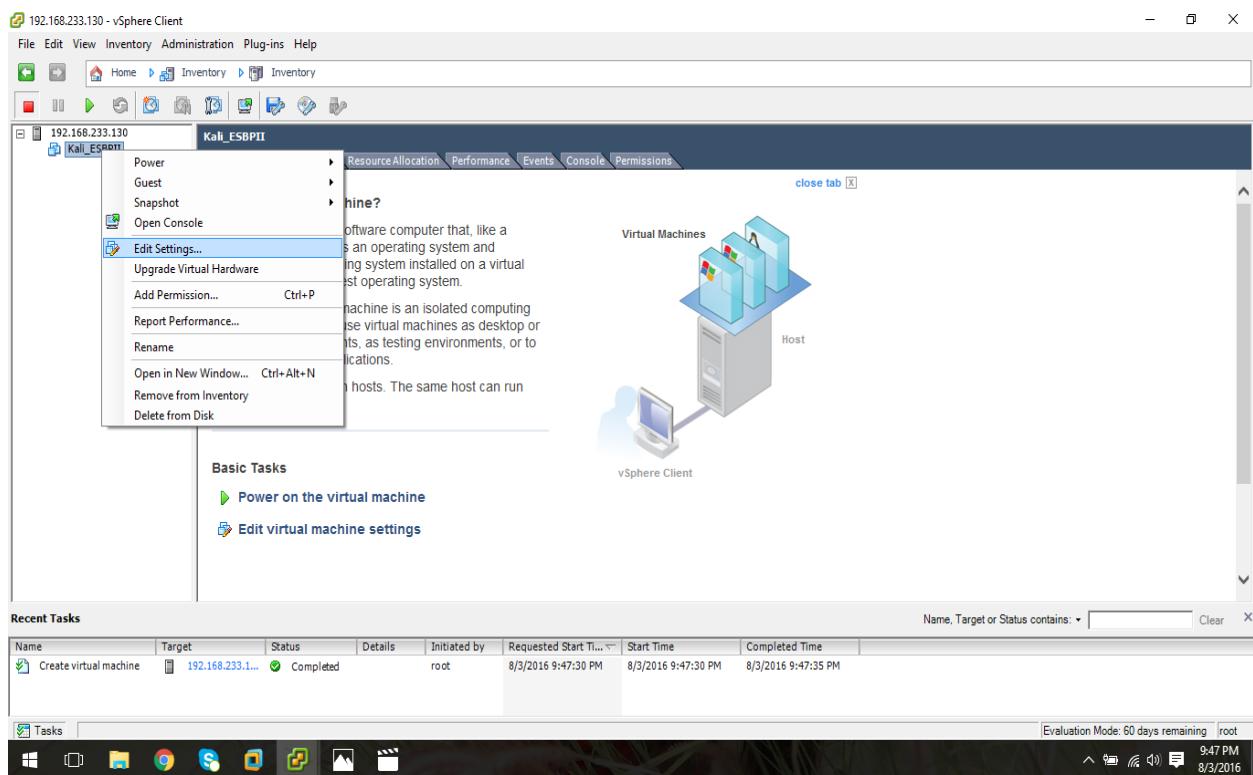


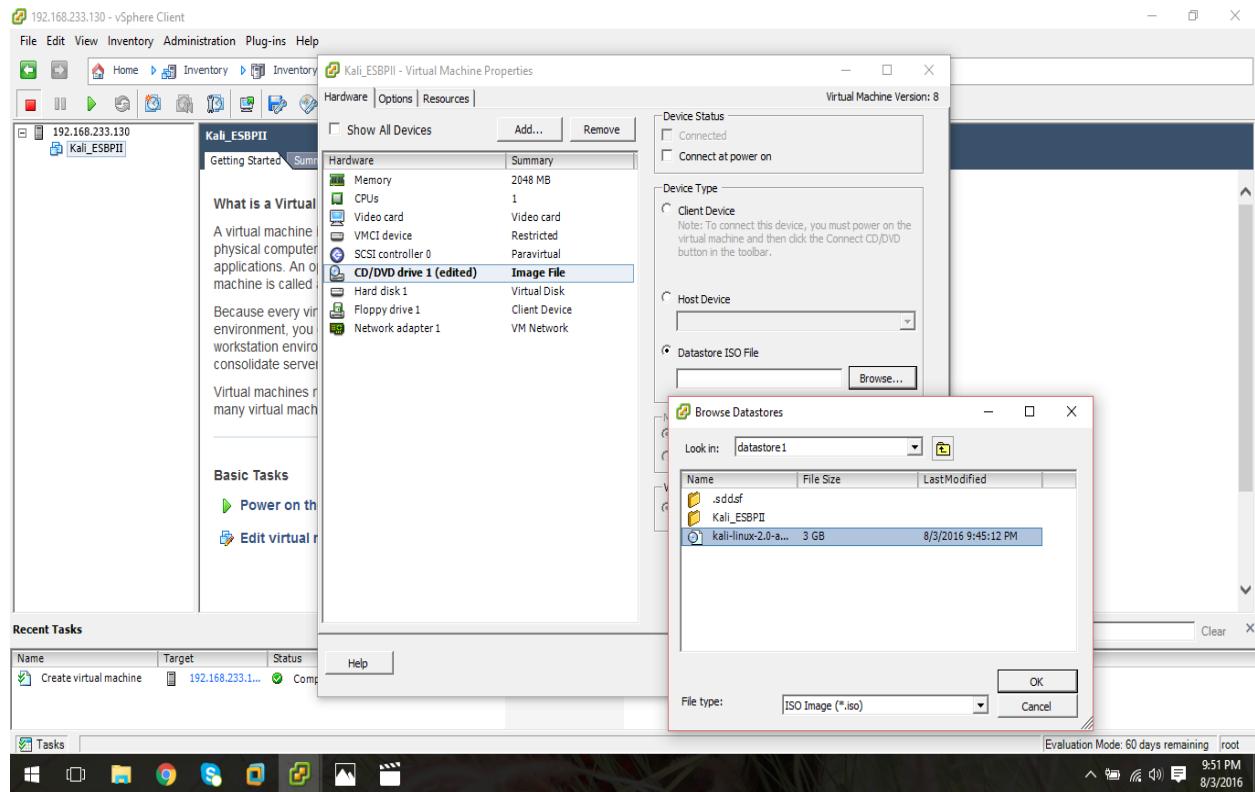
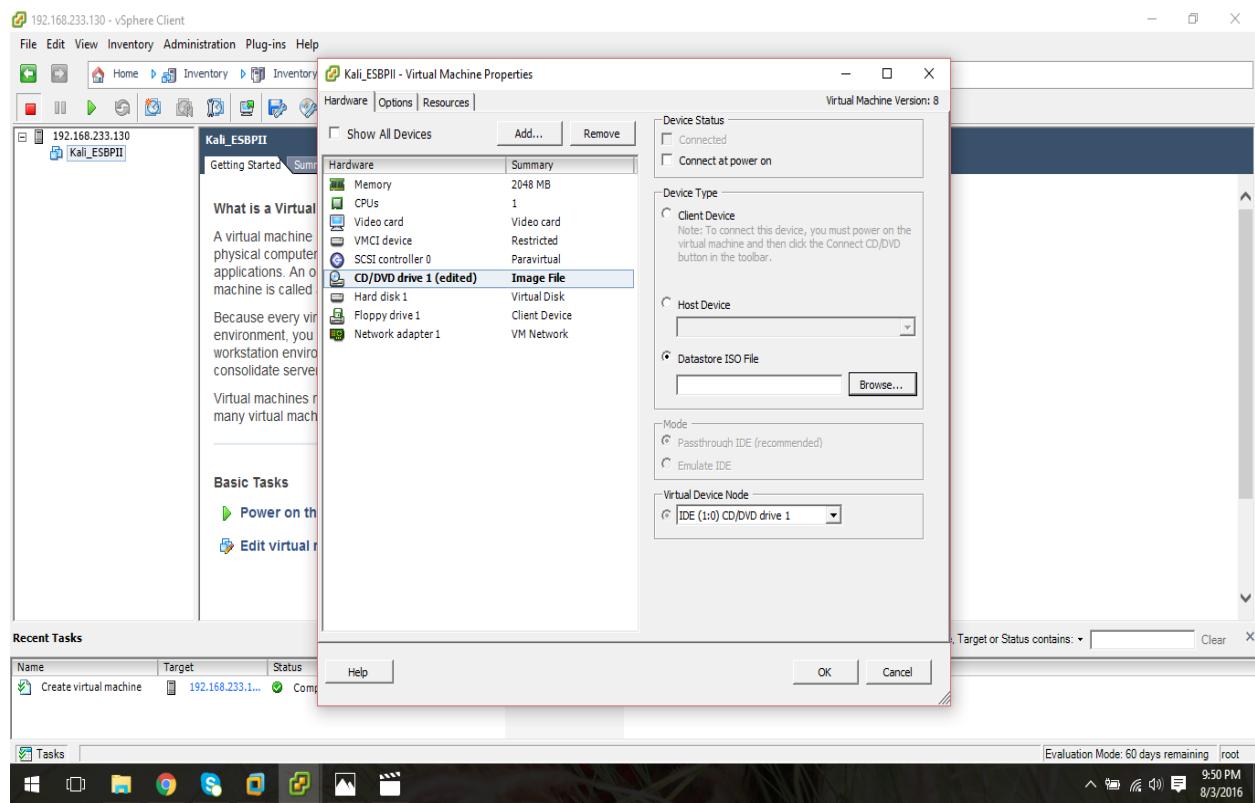


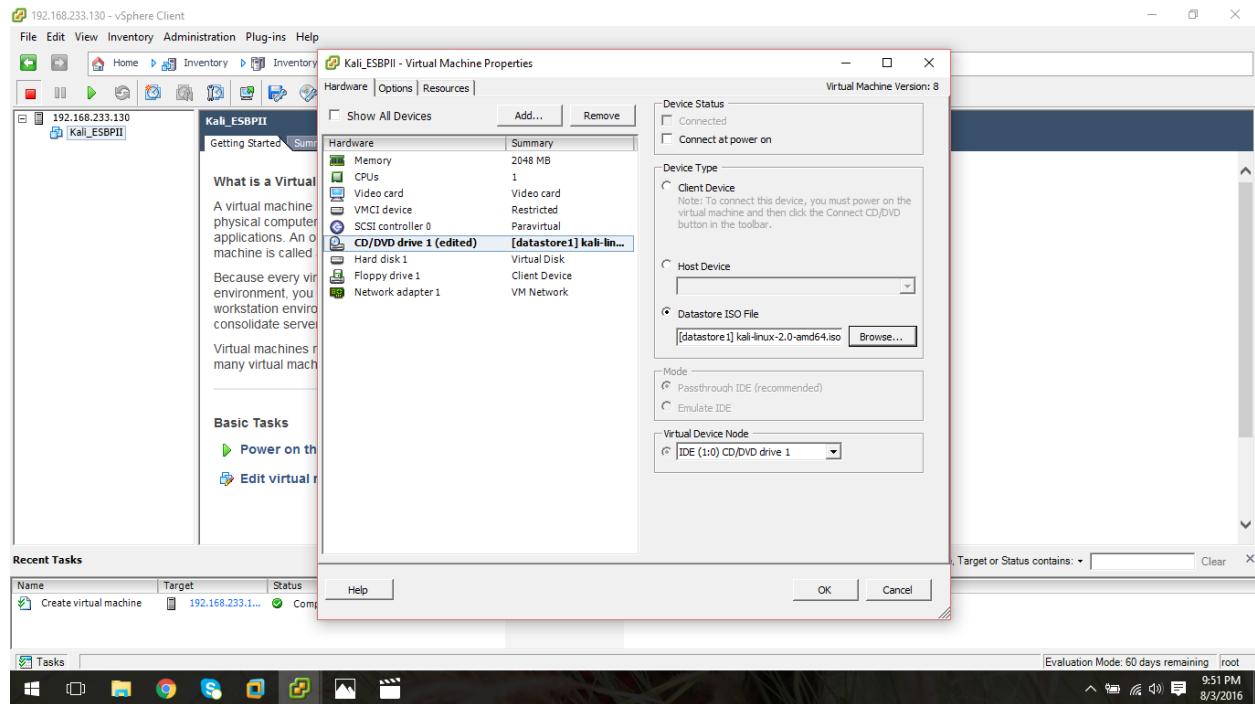




26. Right click the virtual machine and go to Edit Settings and Select CD/DVD driver and from Datastore ISO file browse early created datastore1 file.







27. After the configuration the operating system will be loaded. Select Live (amd64) and press enter to continue and login to the virtual machine.

