



# **Enterprise Standards and Best Practices for It Infrastructure**

**4<sup>th</sup>Year 2<sup>nd</sup> Semester 2016**

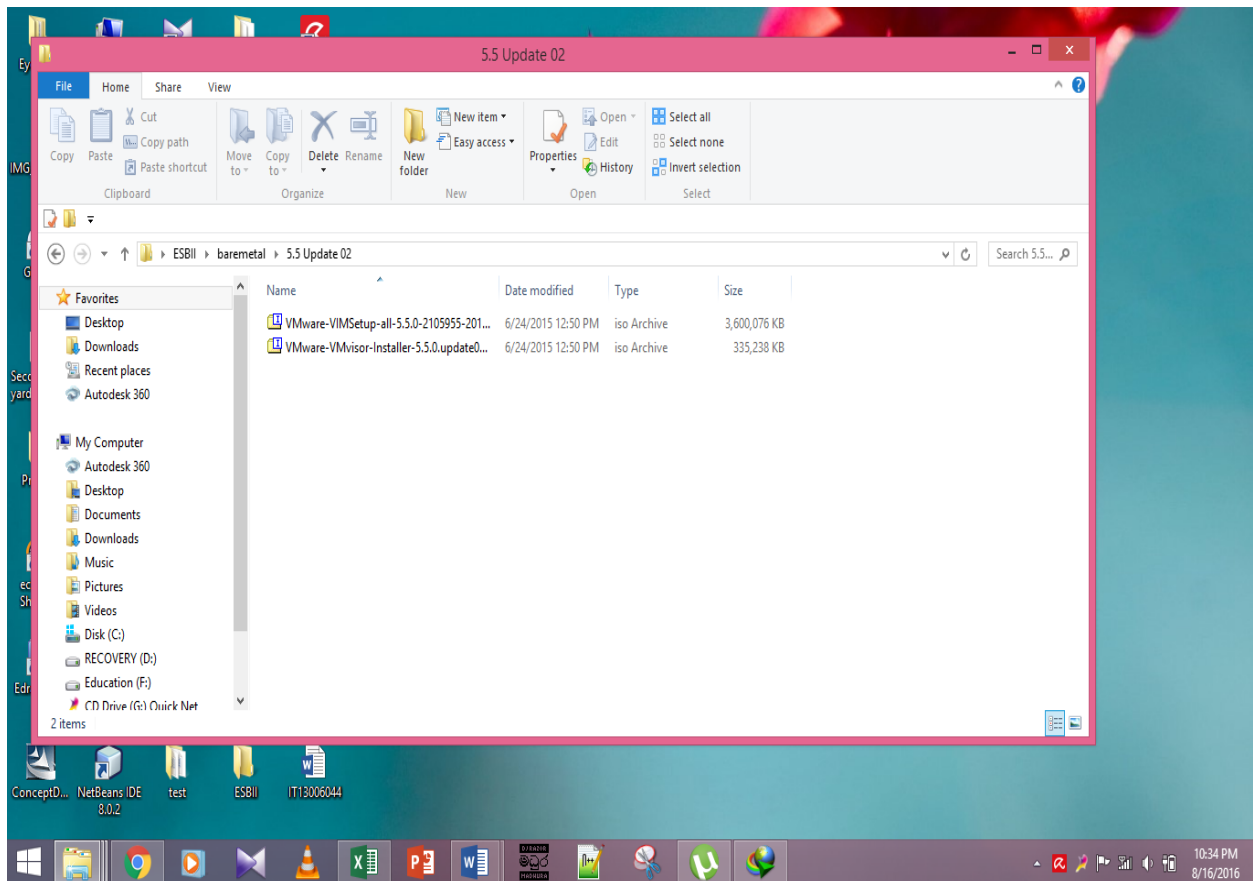
**Name: Sugathapala M.R.C.L.V**

**SLIIT ID: IT13006044**

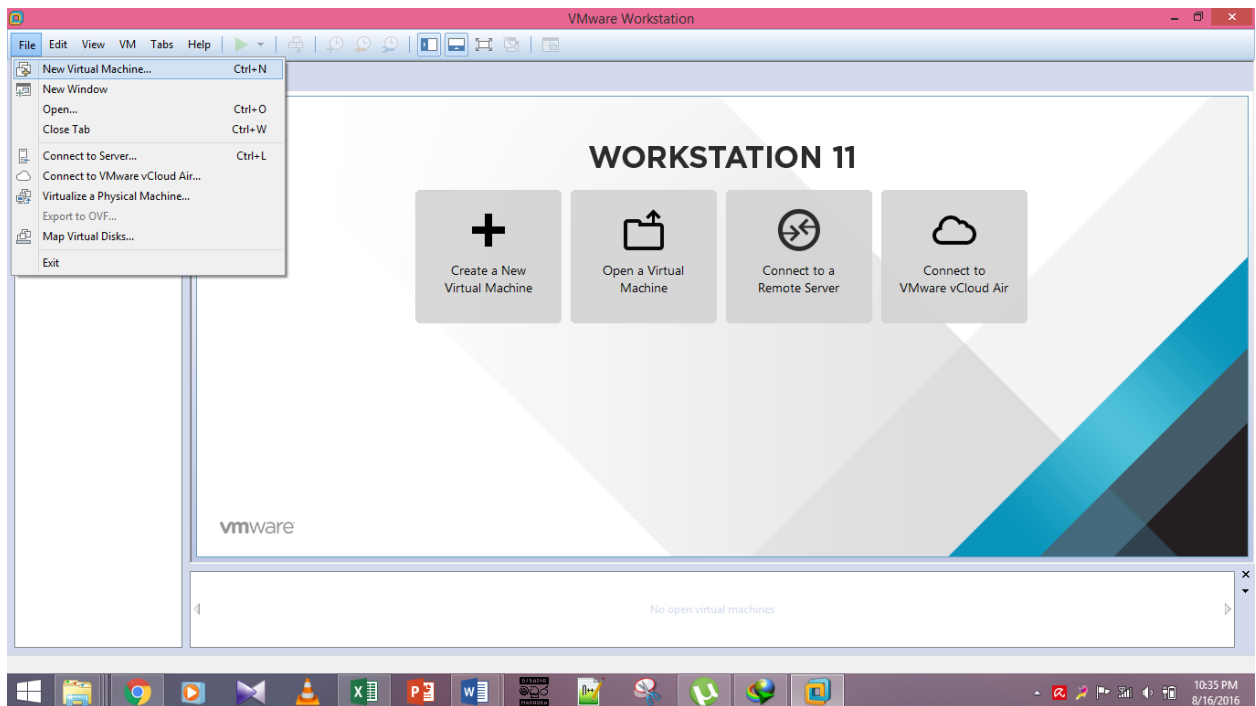
## Description about bare metal environment

A bare metal environment is a computer system or network in which a virtual machine is installed directly on hardware rather than within the host operating system (OS). The term "bare metal" refers to a hard disk, the usual medium on which a computer's OS is installed. In here it is going to be shown as to how a virtual bare metal server is installed using VMware workstation.

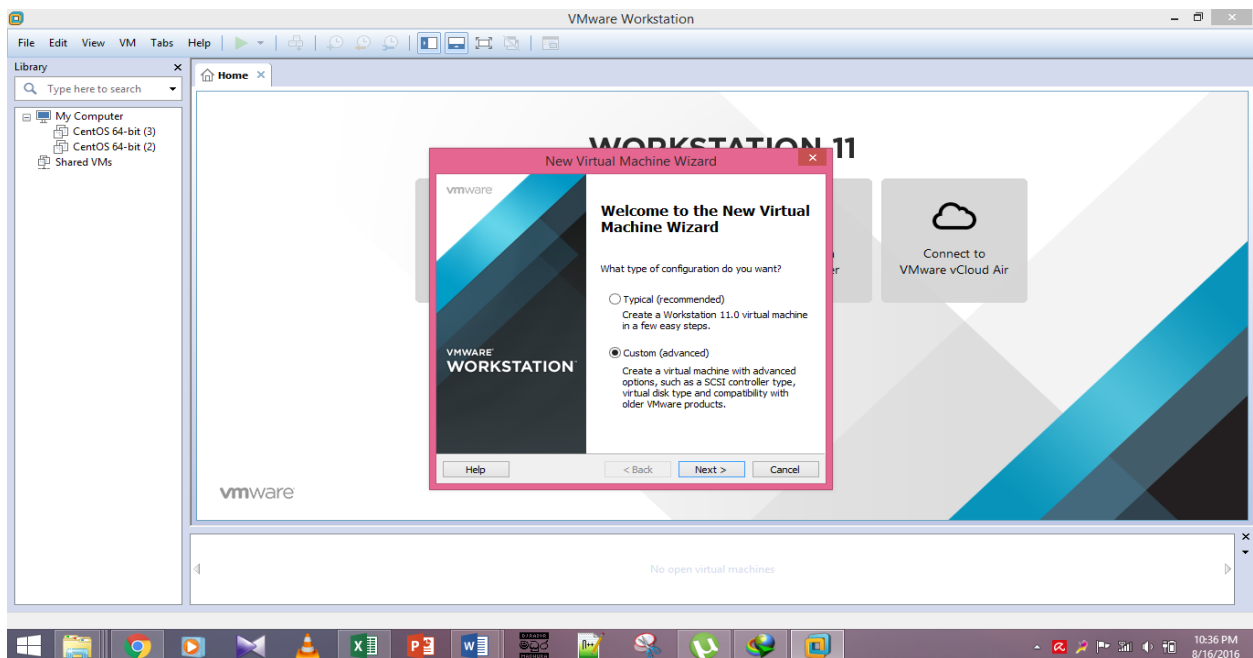
In here to do that we have to get three softwares, VMware-Vclient, VMware-VIM and VMware-Visor.

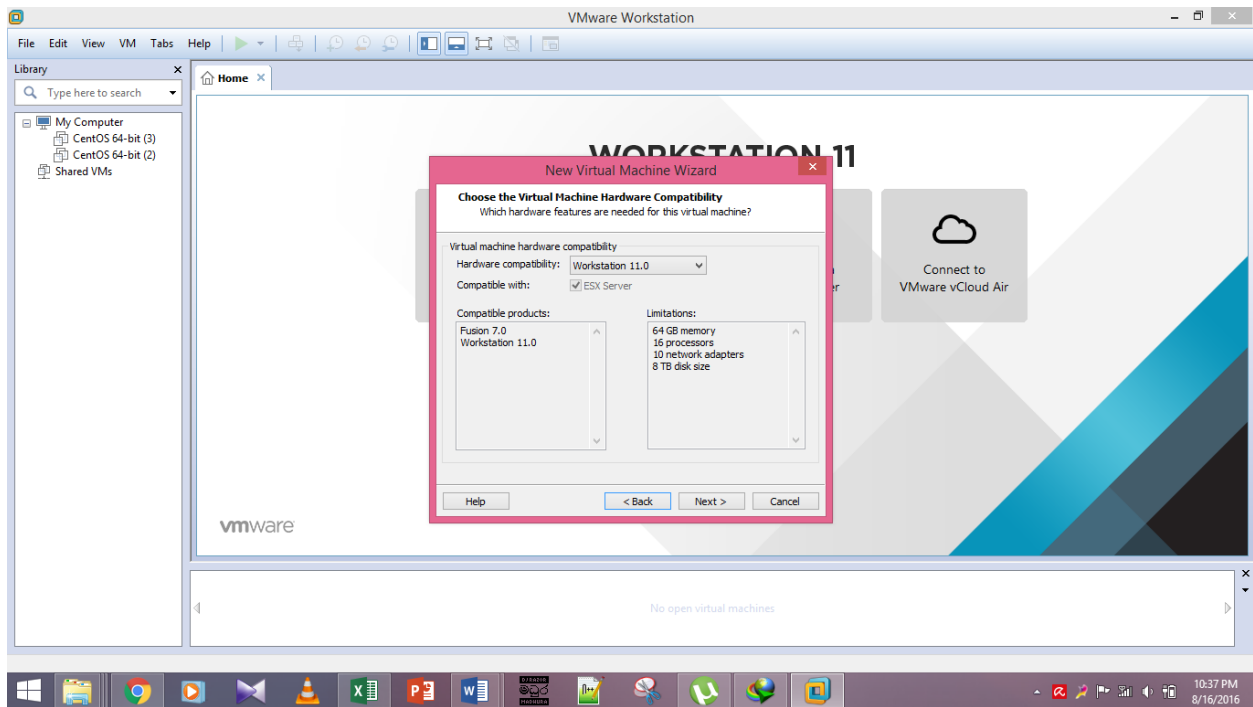


You have to install VMware workstation if your computer does not have it. After that open VMware workstation, it'll shown as below. There you have to select “create new virtual machine”

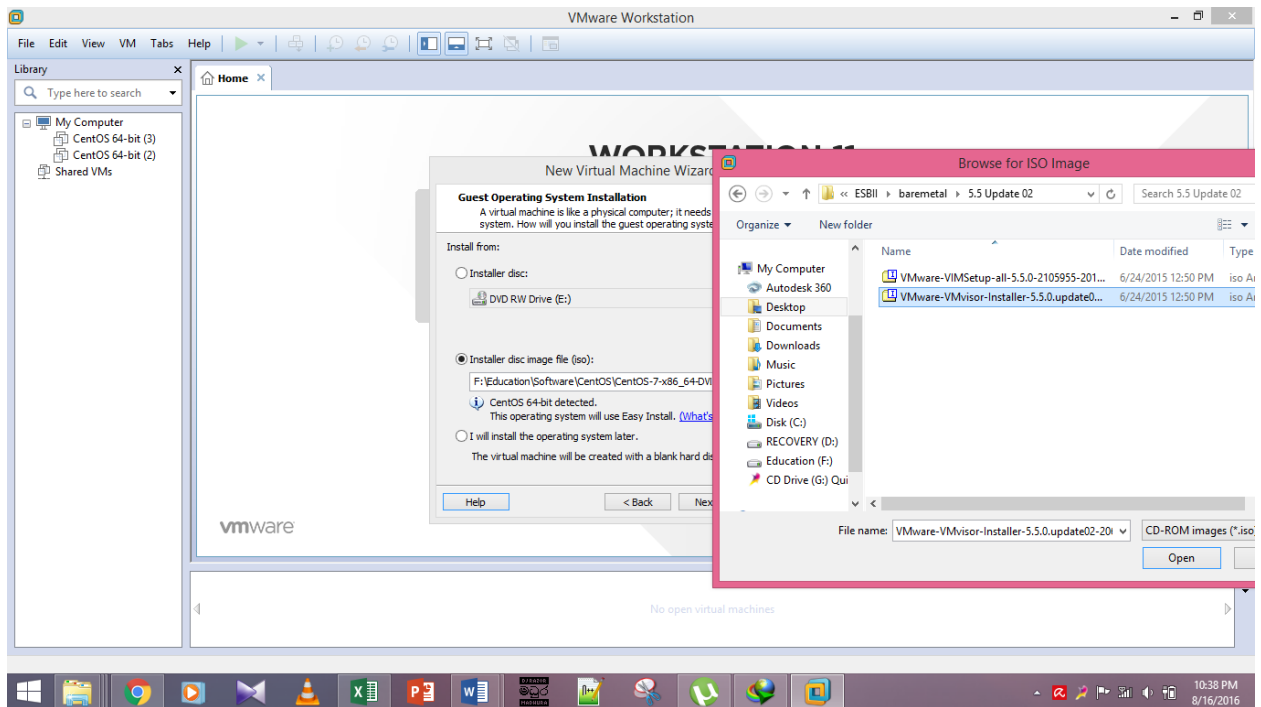


And it'll show up two options below. Make sure the radio button for the first one is active. And then press Next.

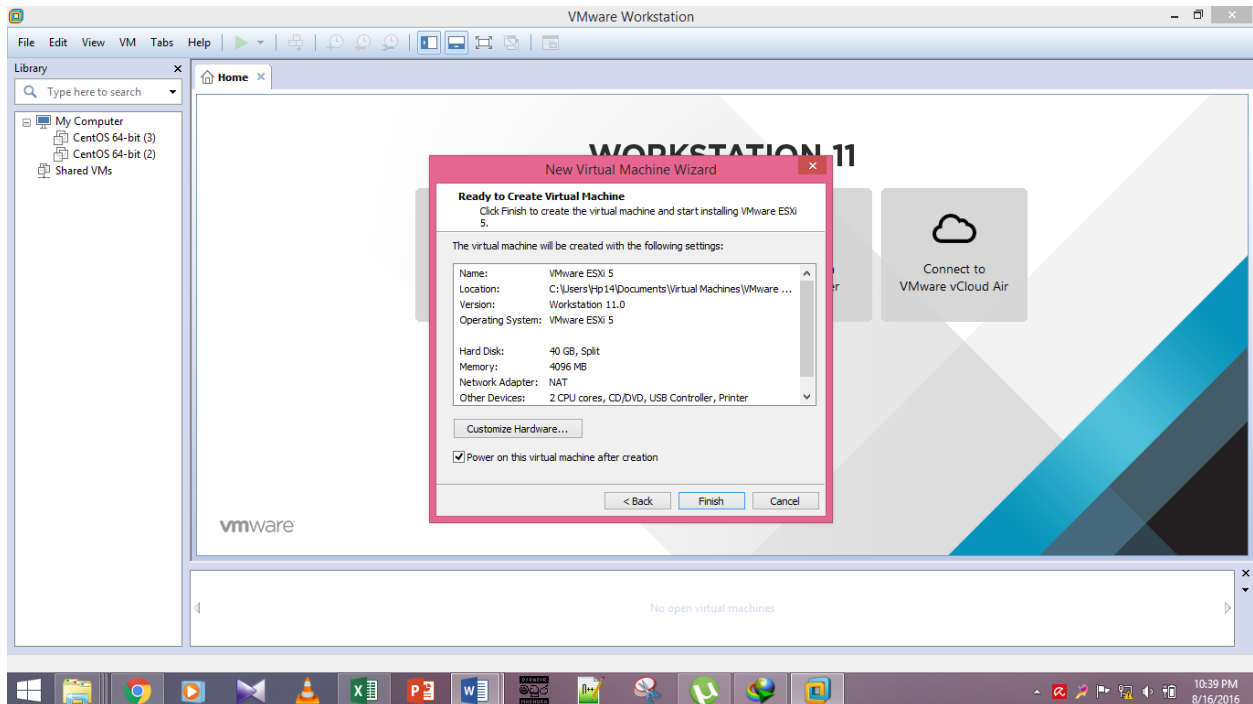




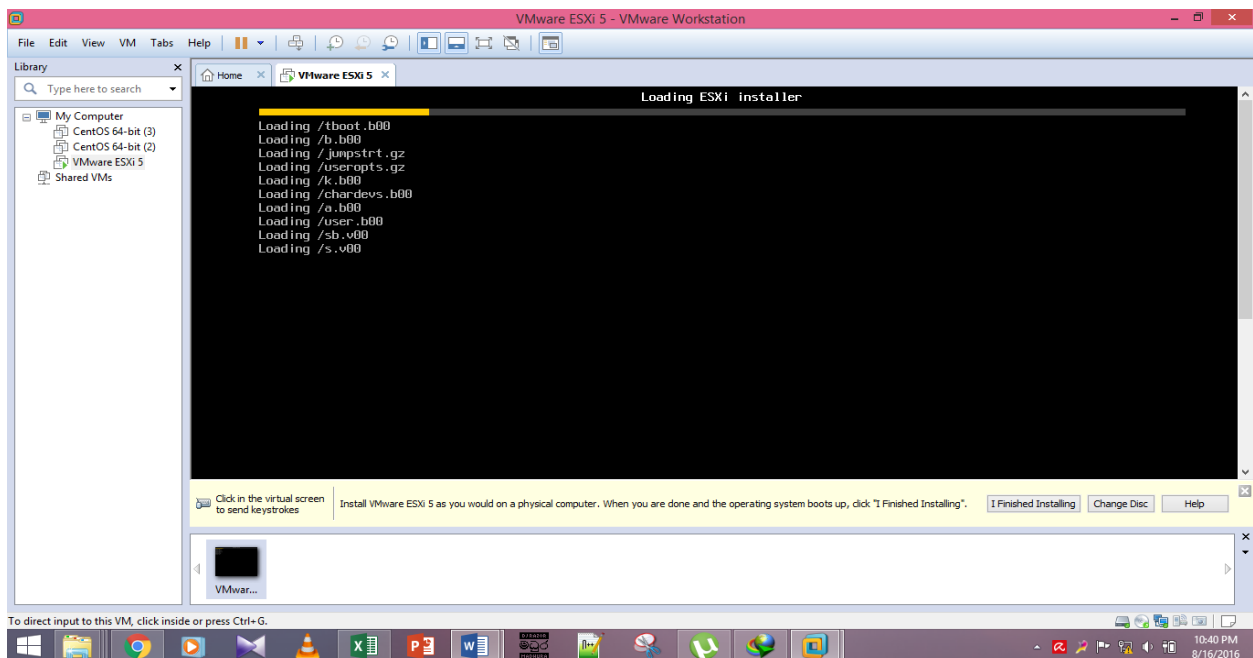
Then it will show the VMware workstation ,then their show “create new machine then open that and select VMware-Visor software click open ”



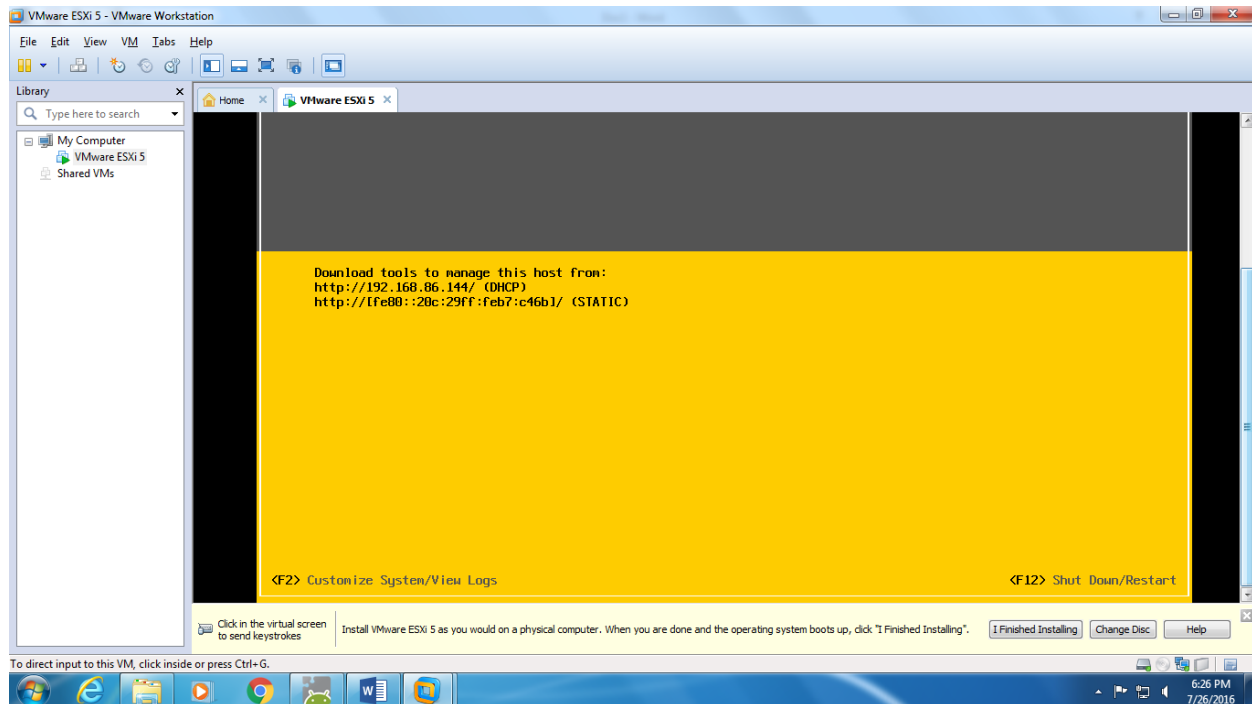
Here there have some steps to follow to install the bare metal. After select those steps click that it's Wizard, and show the new VMware specification that want .Then Click “Finish button”



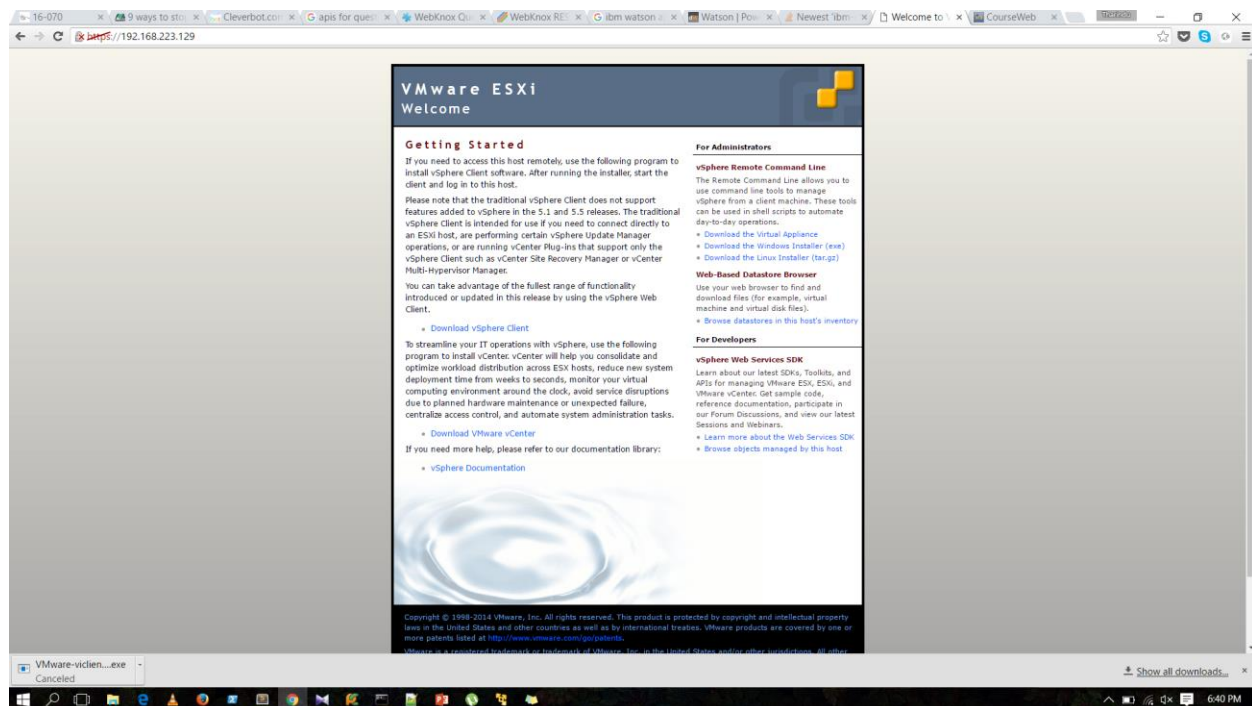
Then VMware workstation creates new virtual machine platform. And VMware gets loaded successfully.



After following some steps it will give you a specific IP address after VM ware loads successfully. You have to get it saved.

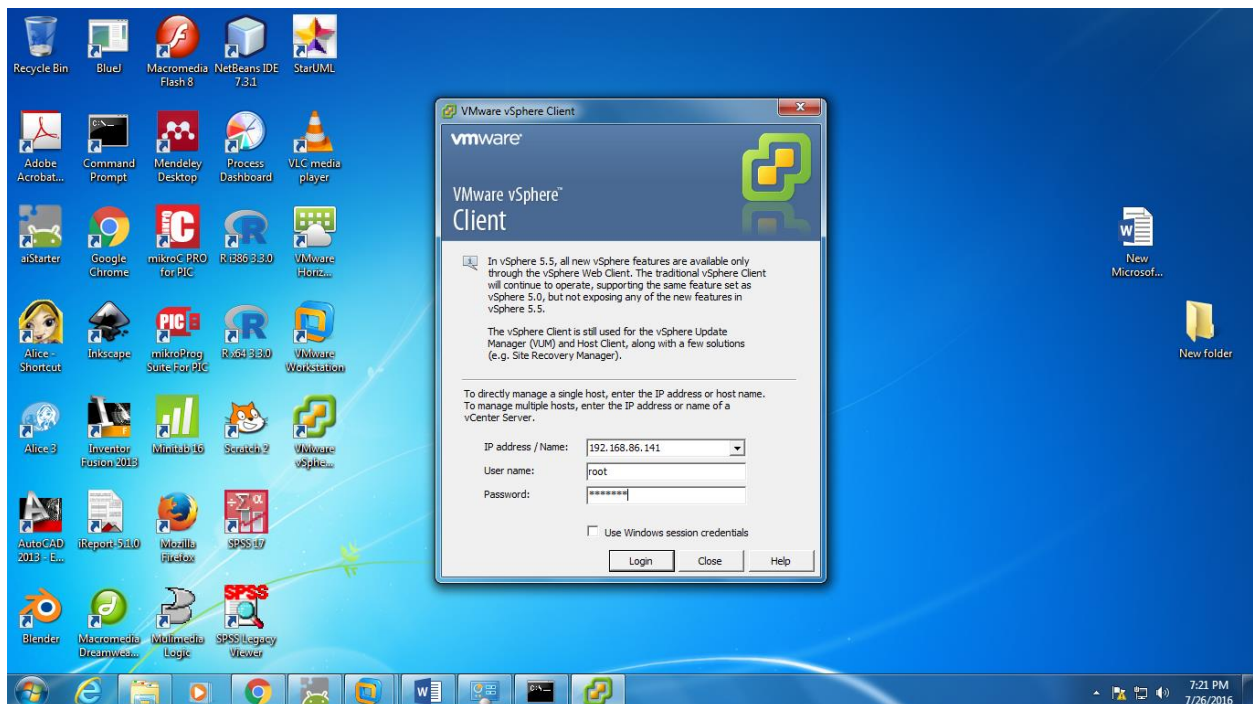
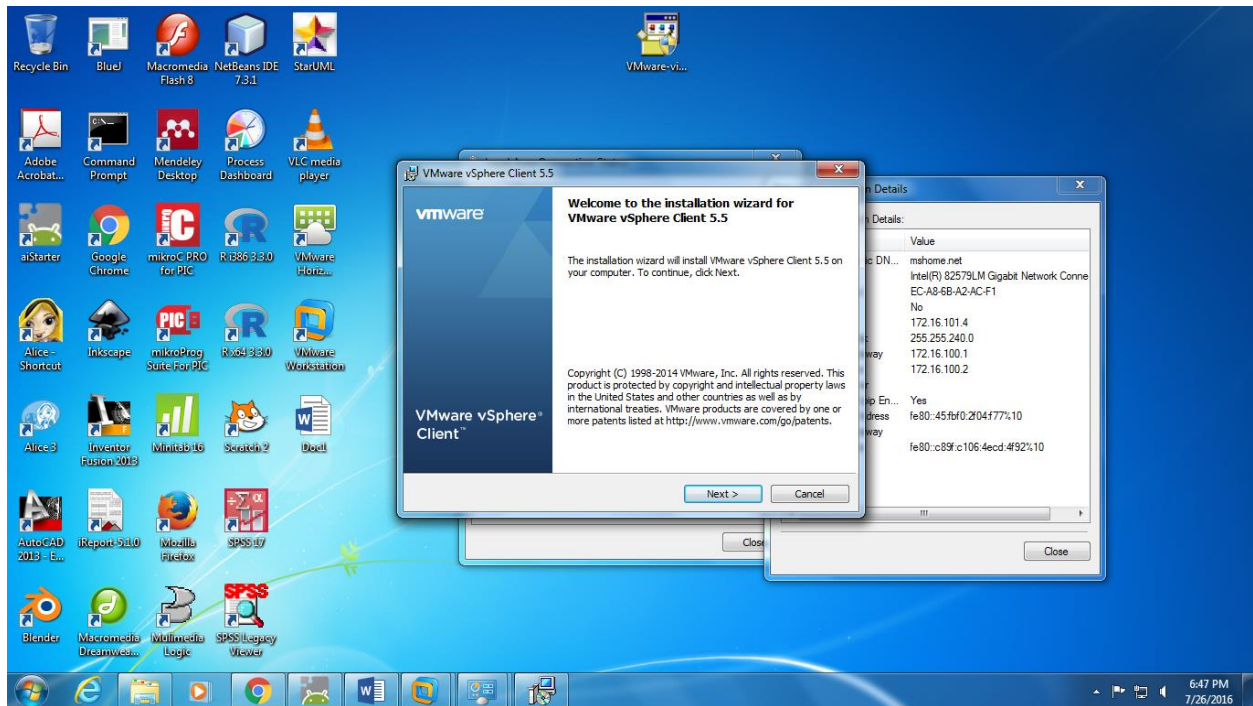


Then using that specific IP address, you have to visit that page. It shows how to download the virtual machine in VMware.



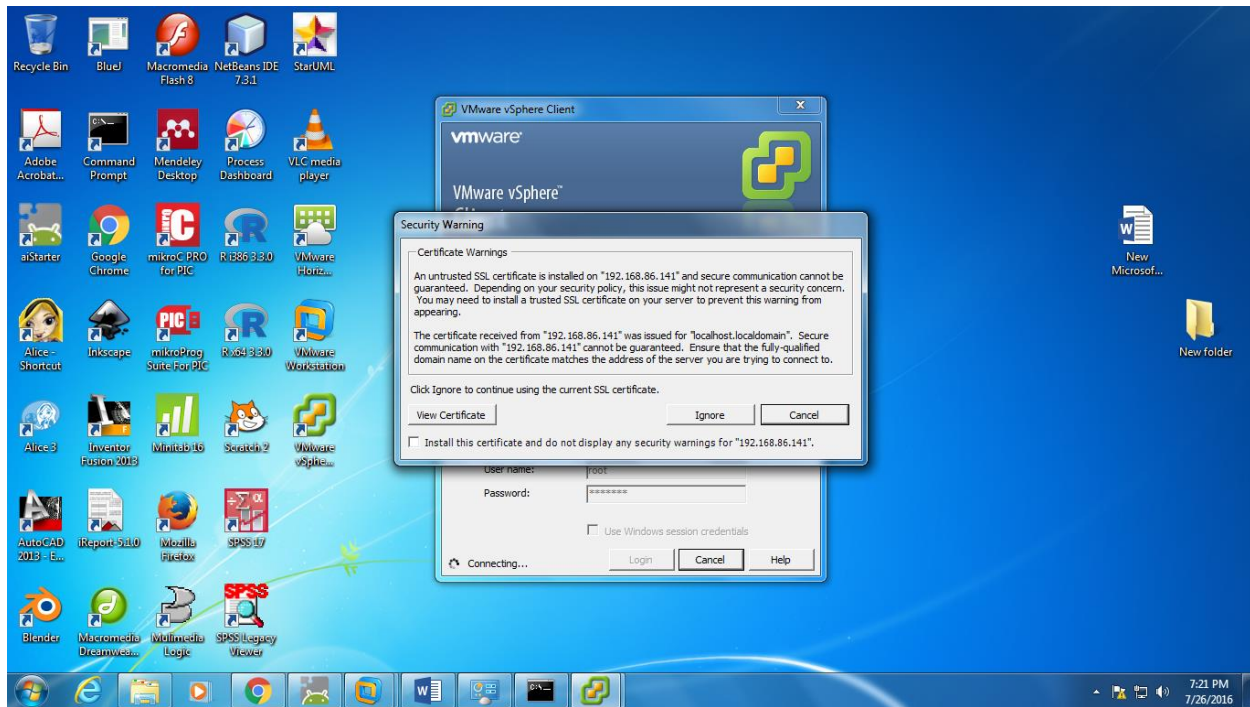
After that check your Local area connection status. Its shows that IP in network status then it will running successfully.

Then you have to install VMware vSphere client installation. First click on that and it start the create client. Then click “next” to install that software.

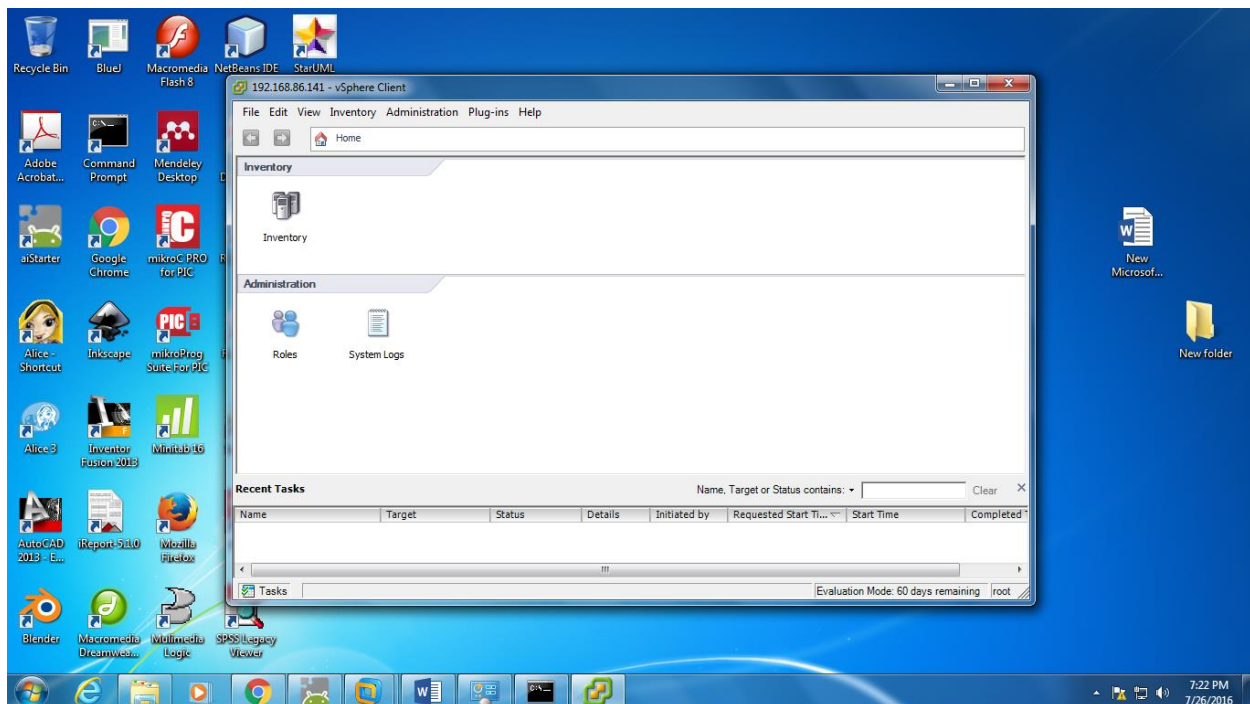




Here sometimes it gives security warning, you have to “ignore “that, then it take some time to create.



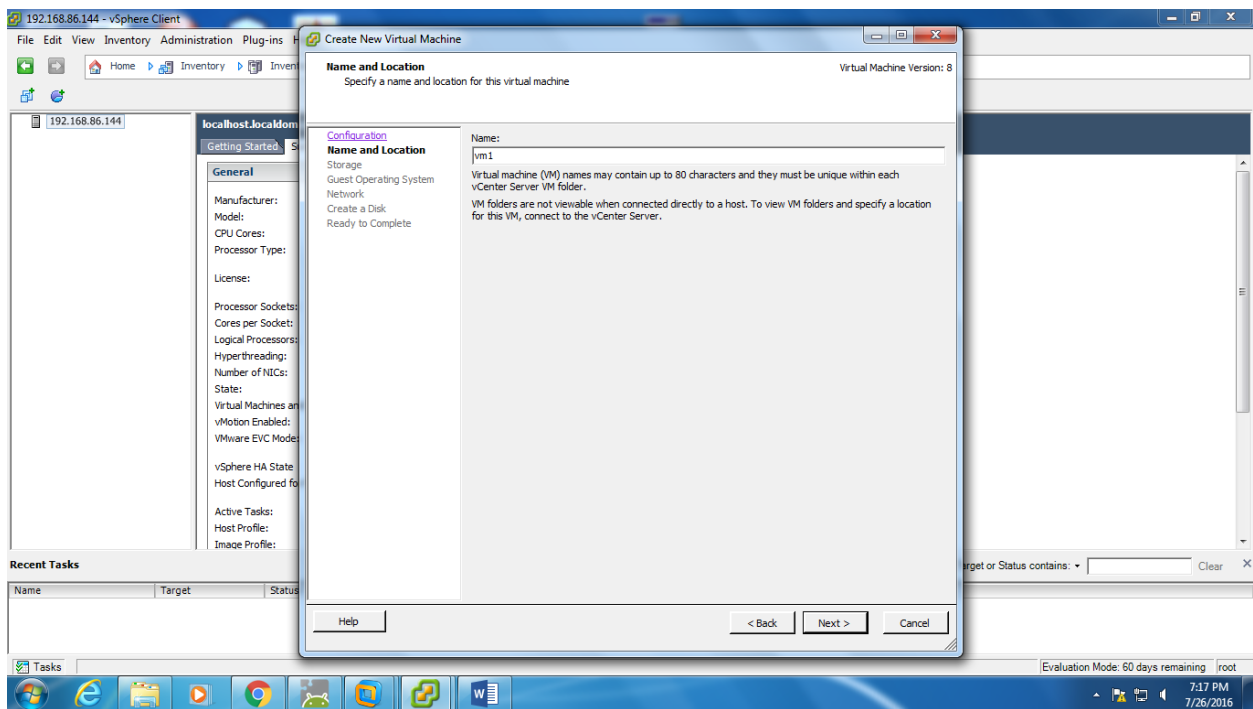
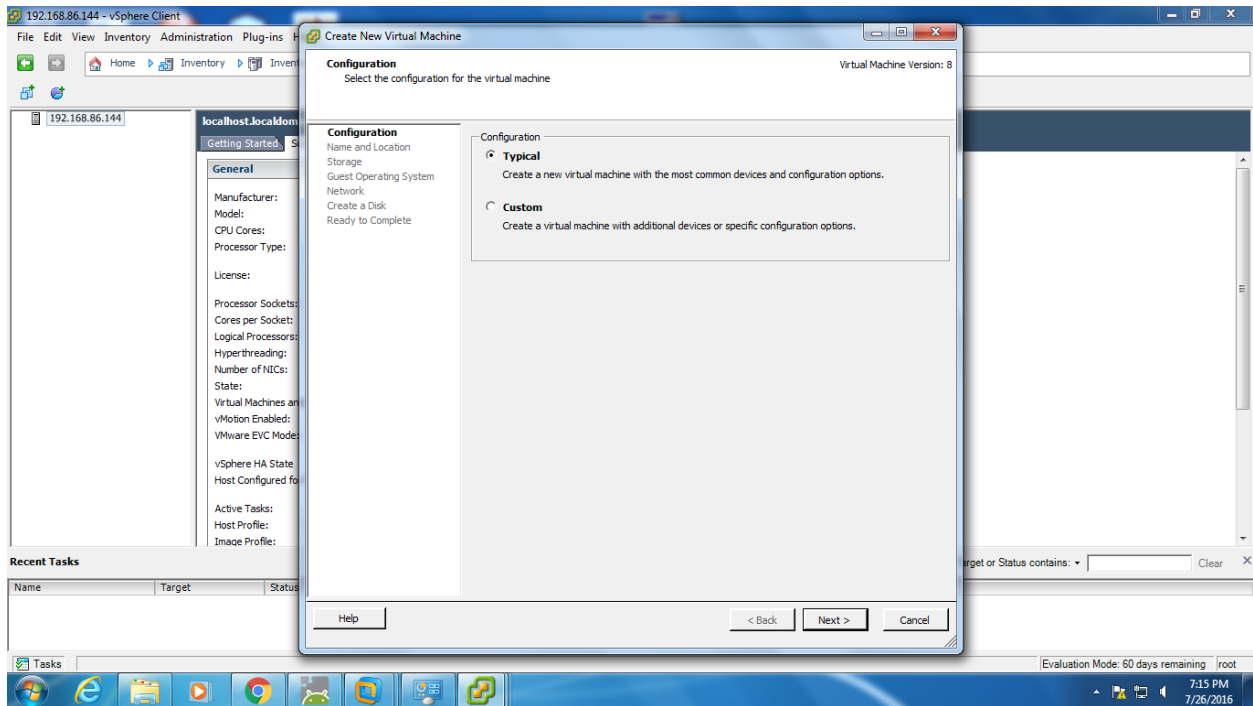
After that it display the vSphere client. Then select File and create new client server, it looks like a platform that help to create new virtual machine.



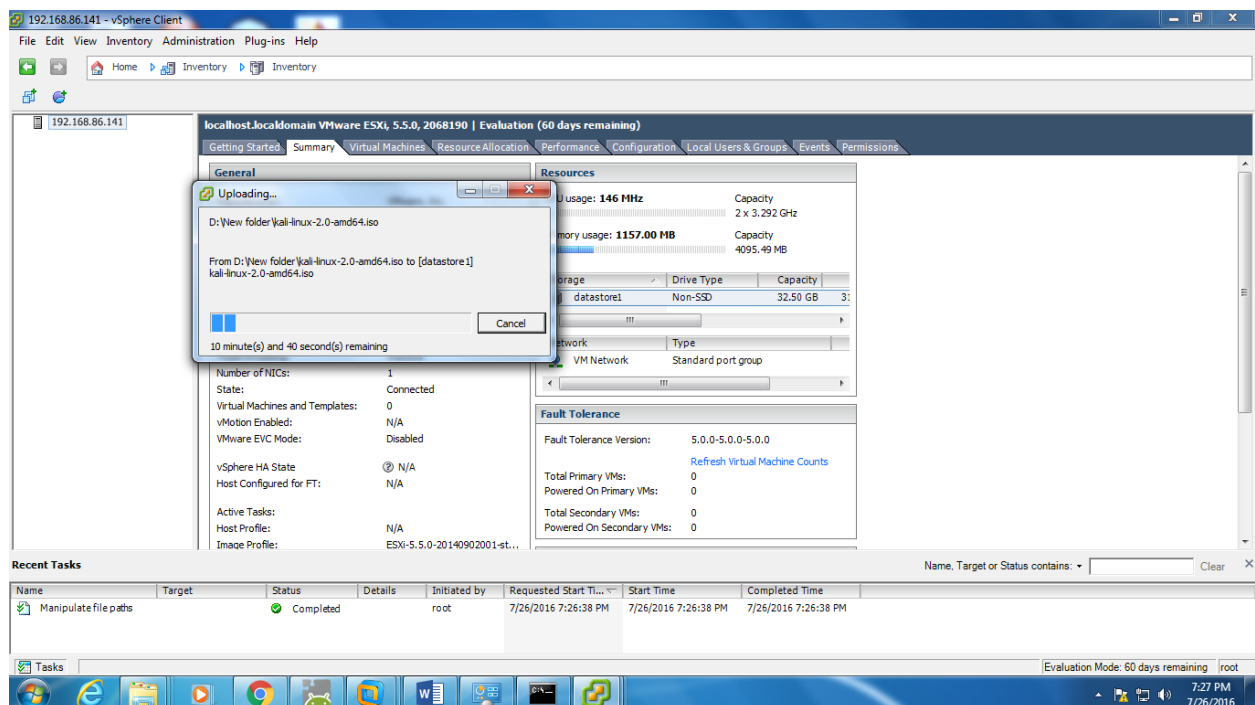
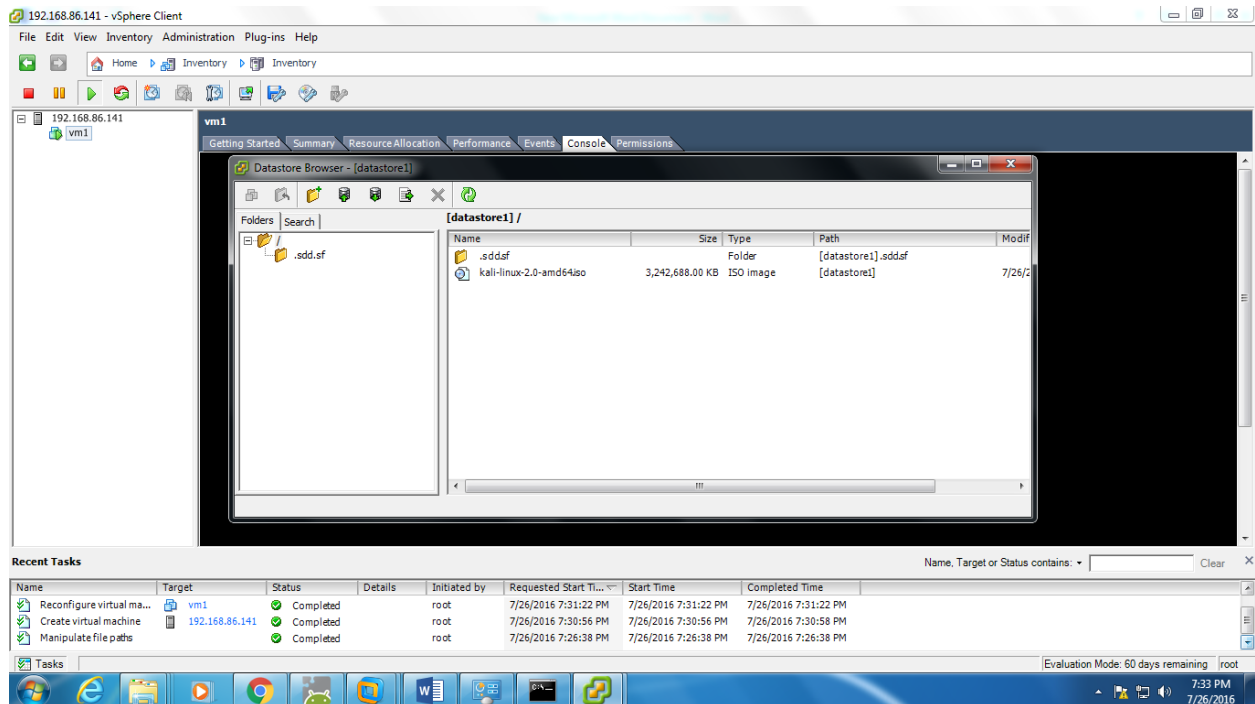


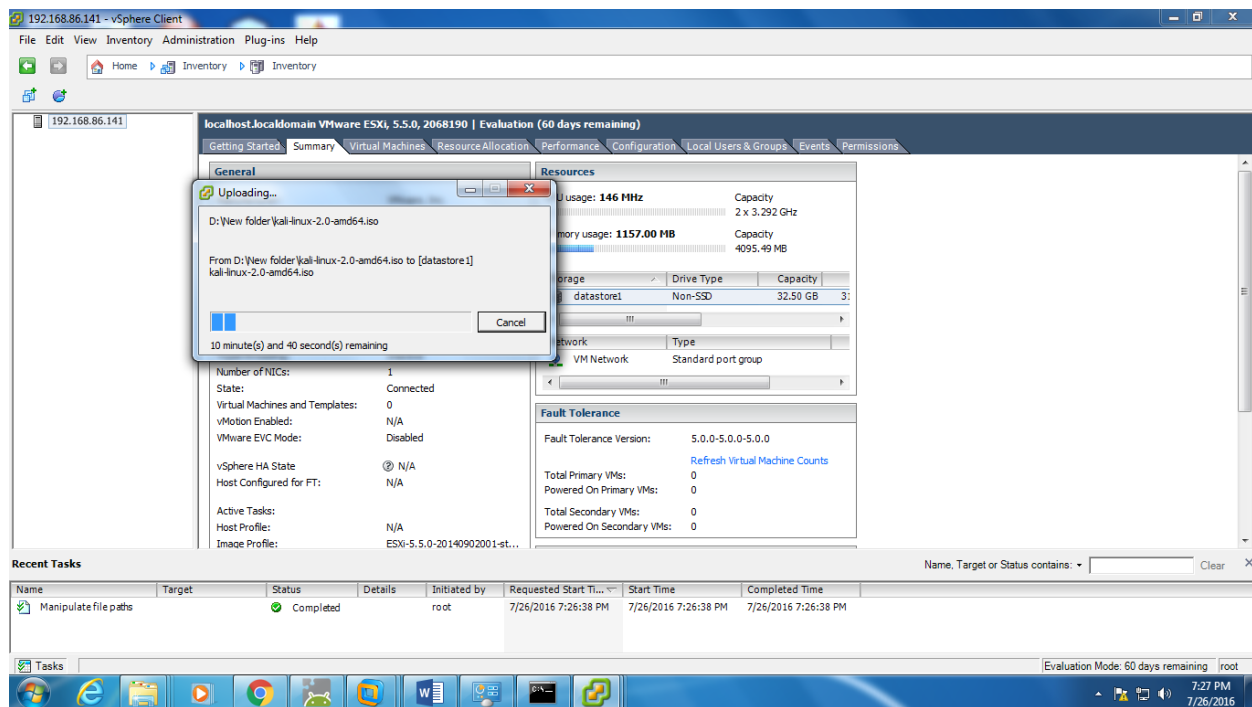
Click on the IP address and configure Vm, in configure time it display the configure type, select the typical option and click “Next” button.

After that you have to give a name,



Then it display vSphere client summary, you have to upload” kali –Linux “to this client software to create VMware Linux platform .





And finally the Linux console will be displayed.

