



SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY

Enterprise Standards and Best Practices for IT Infrastructure

4th Year 2nd Semester 2016

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Group Number: -

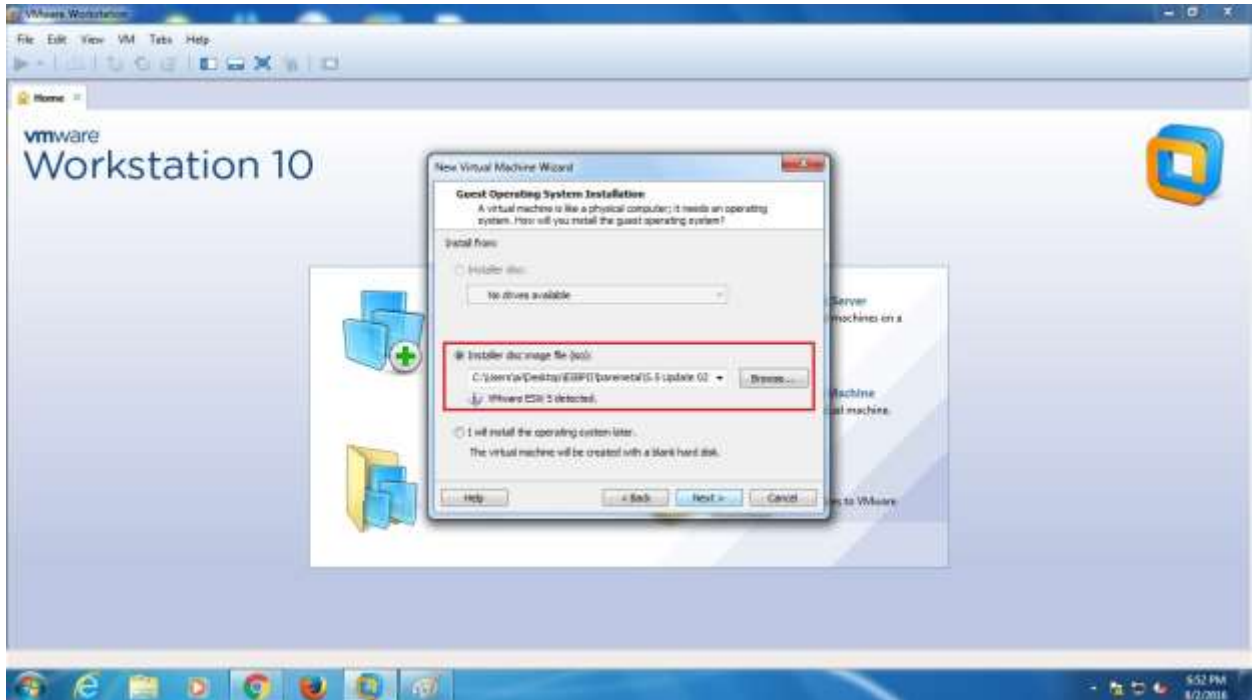
Practical Session: **WE Tuesday**

Practical Number: **Bare Metal Installation**

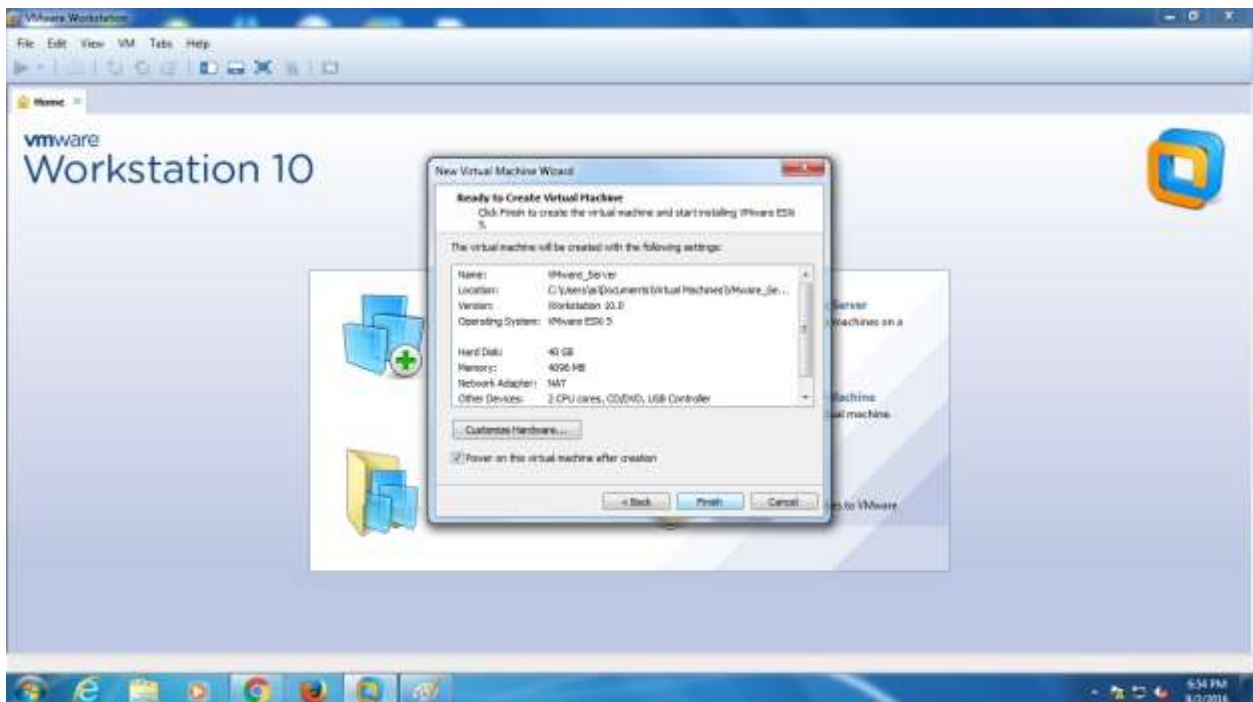
Date of Submission: **16 Aug 2016**

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

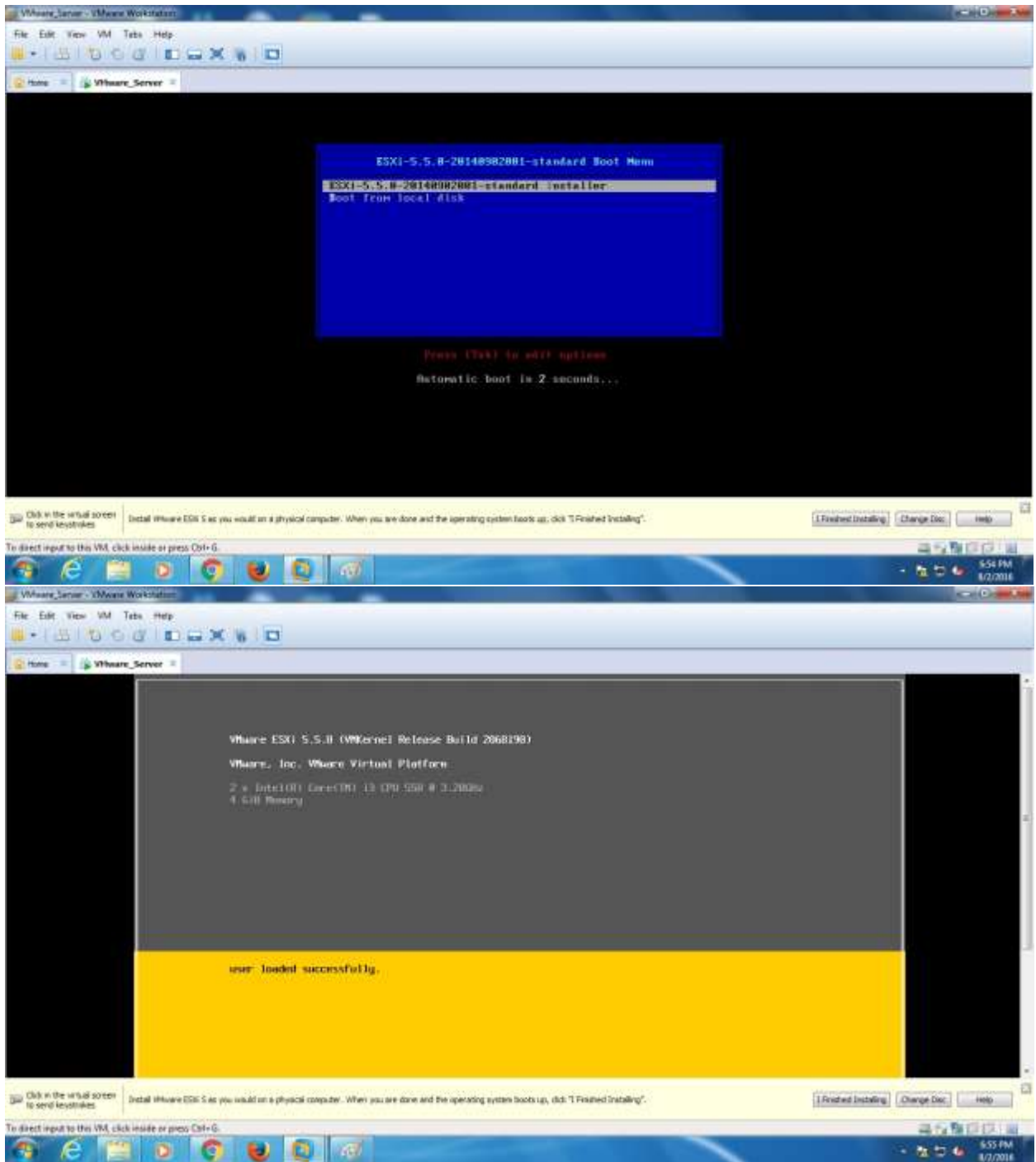
1. First you need to create environment for use bare metal so we use vmware workstation 10



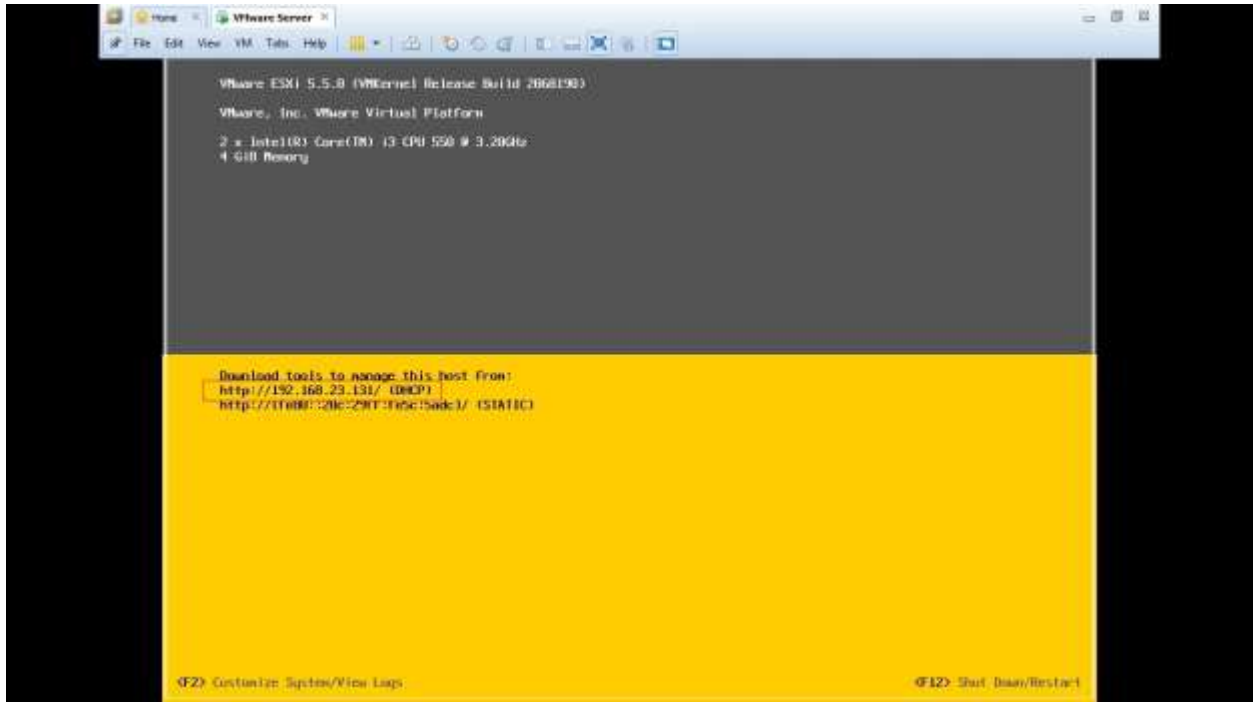
2. We create virtual machine to run bare metal operating system



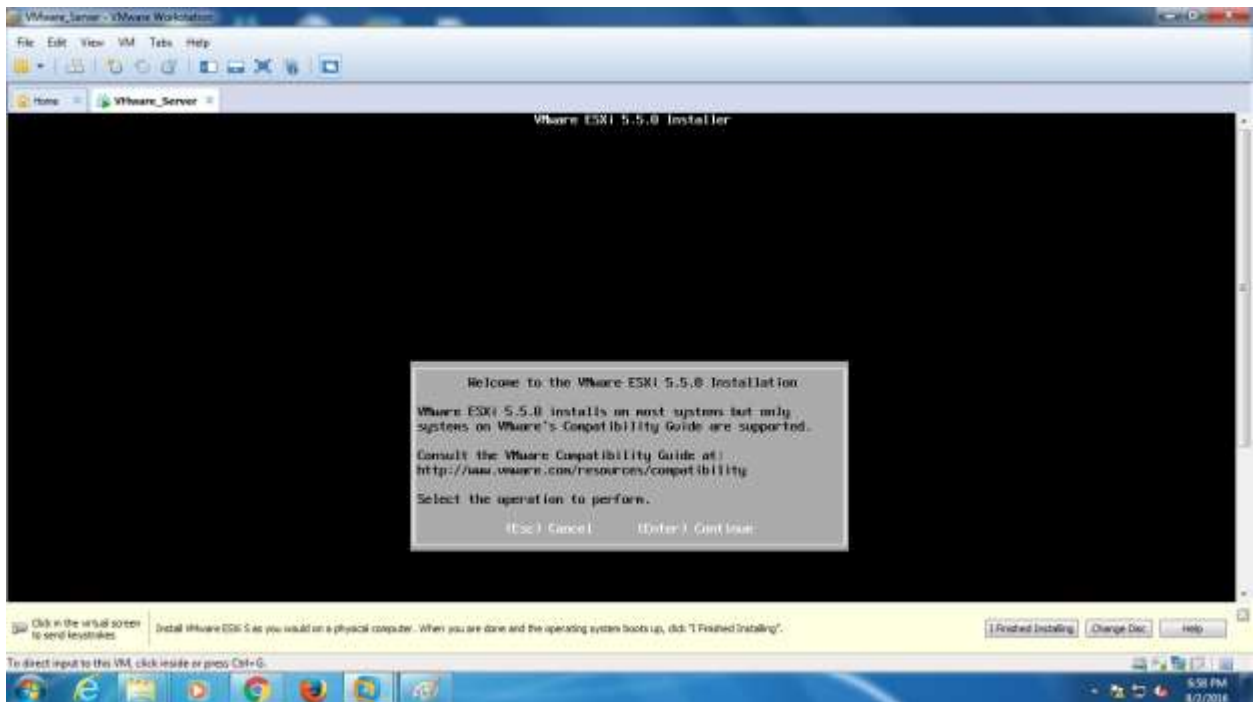
3. Boot from the bare metal OS



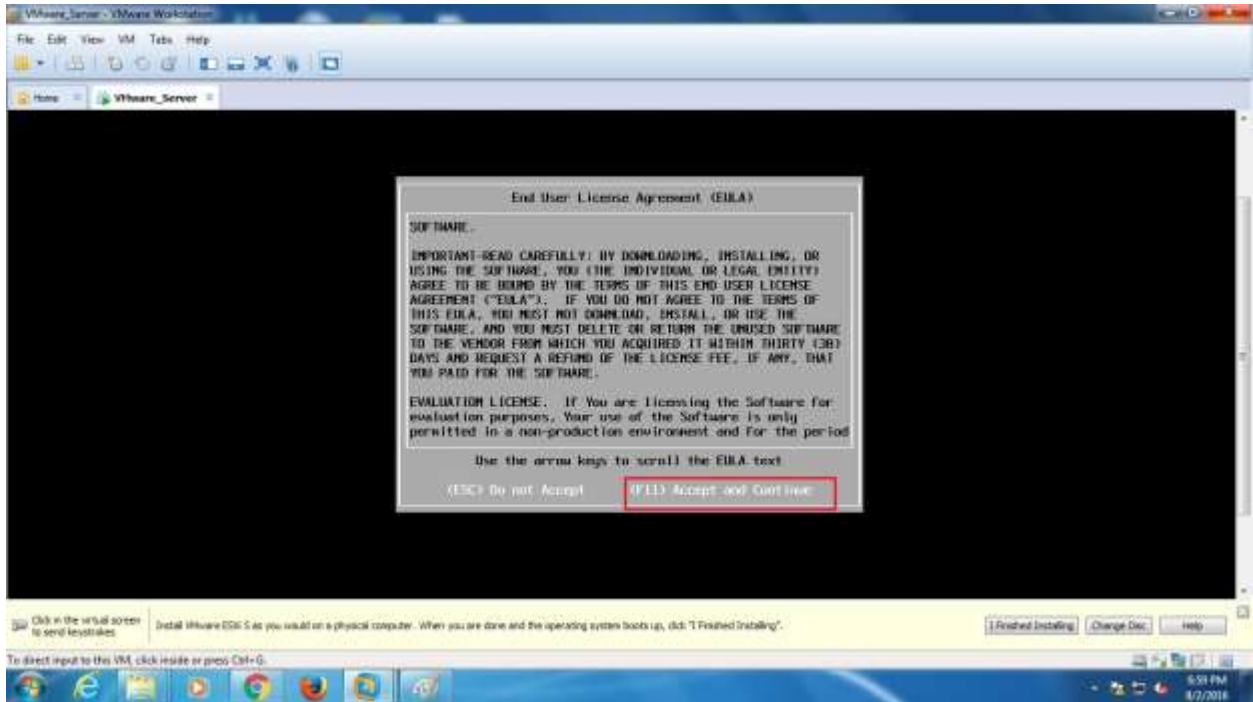
- Using this IP address we can download the client software for access the bare metal



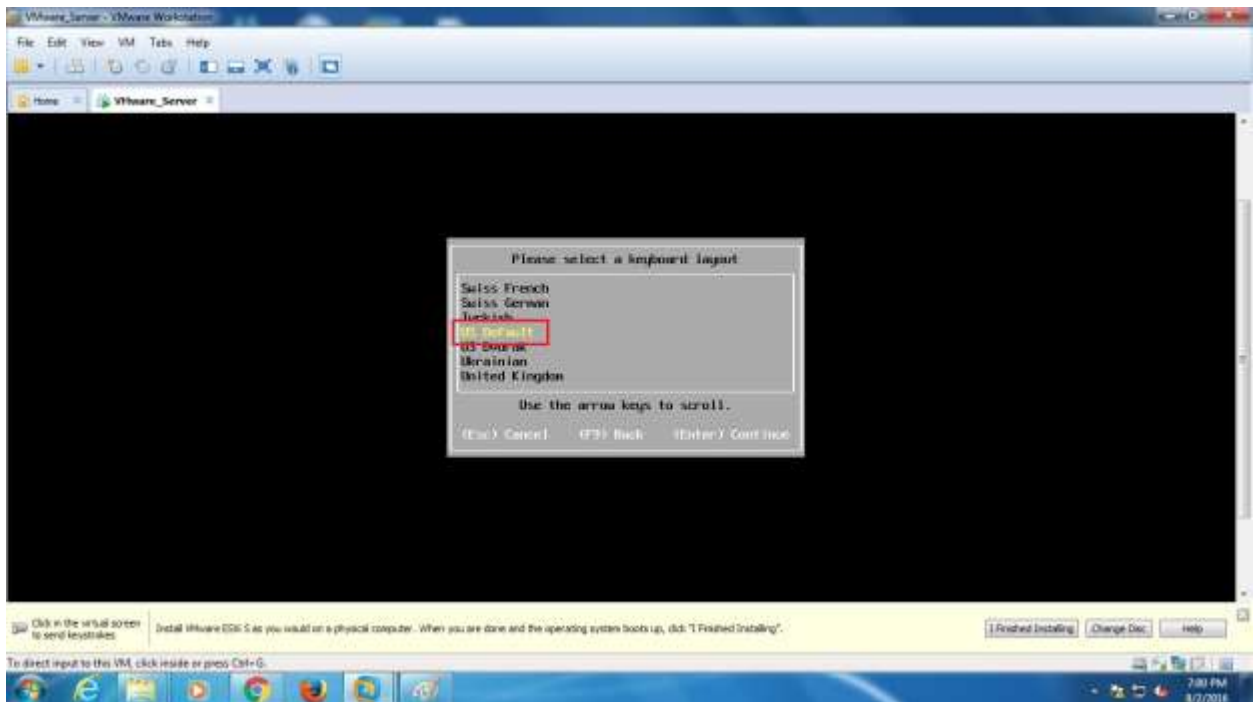
- Press enter to continue the installation proses.



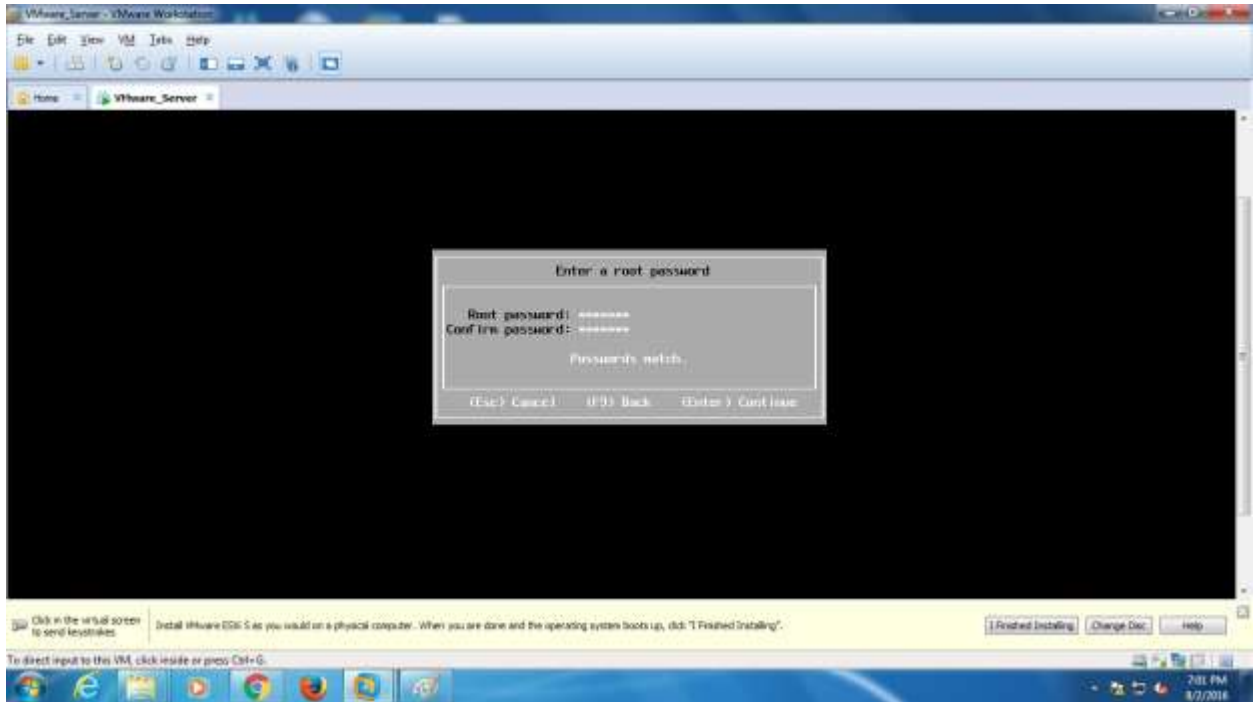
6. Press “F11” to agree to license agreement.



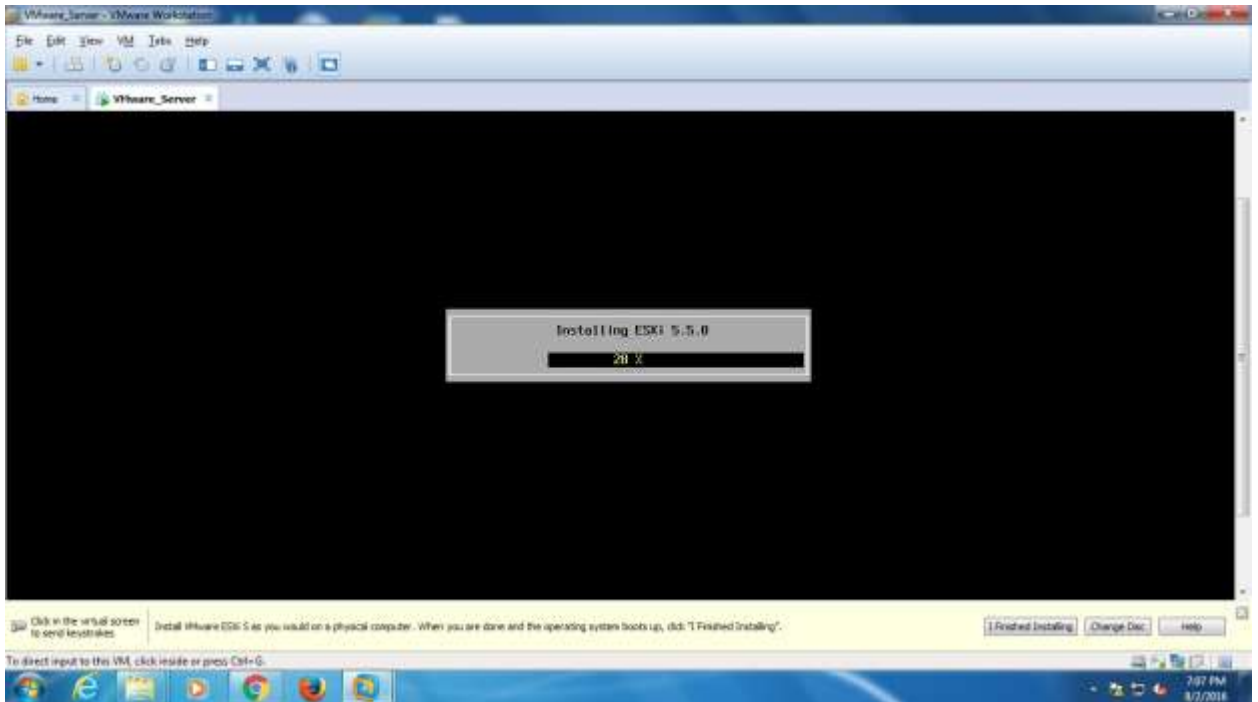
7. Select language as the “US” and then press Enter



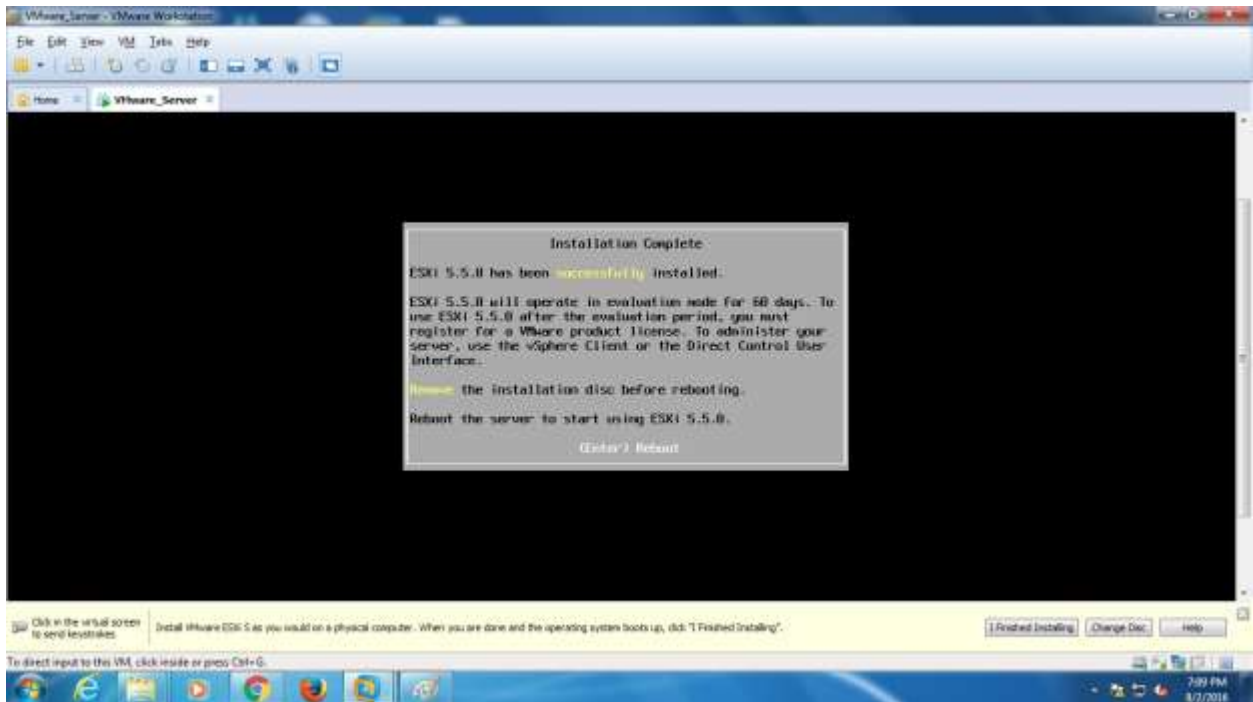
8. Type root password that u will need later.



9. Installation process of the VMware server



10. Once the installations process is complete it ask to reboot the OS ,so press enter to Reboot



11. Now using the IP address download the **vSphere Client** software.



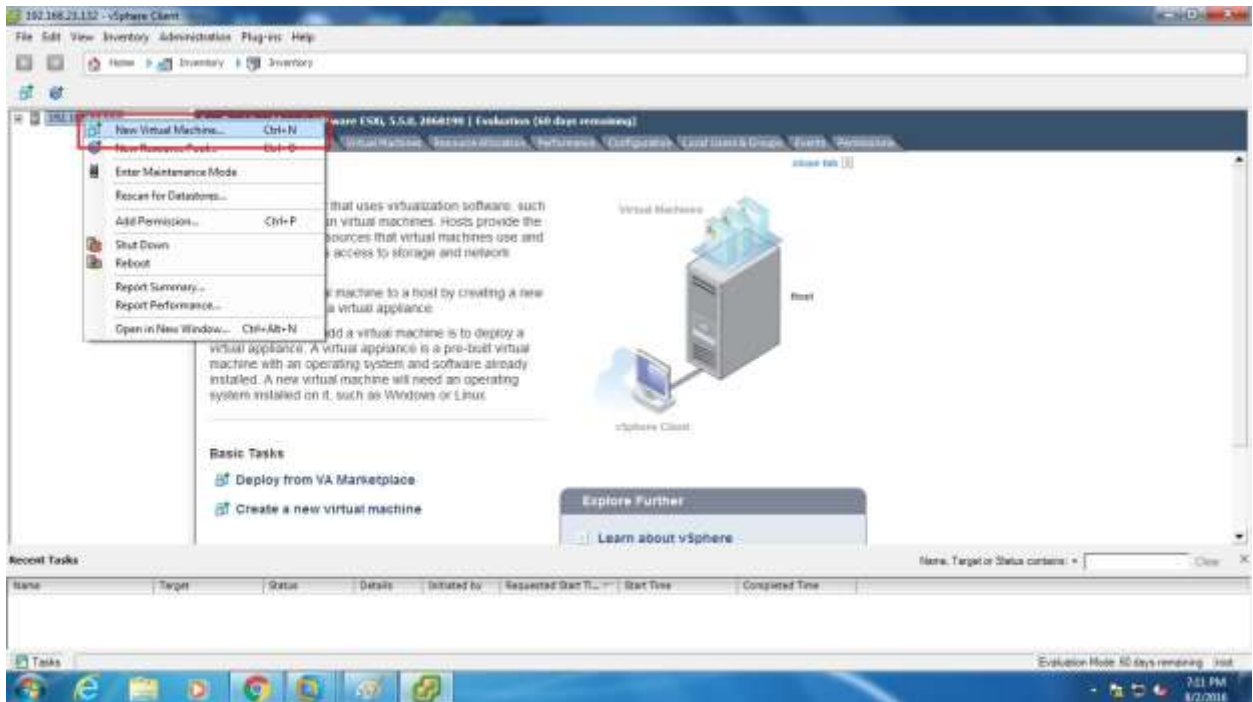
12. Once the downloading complete using the root password you can logging to the client interface



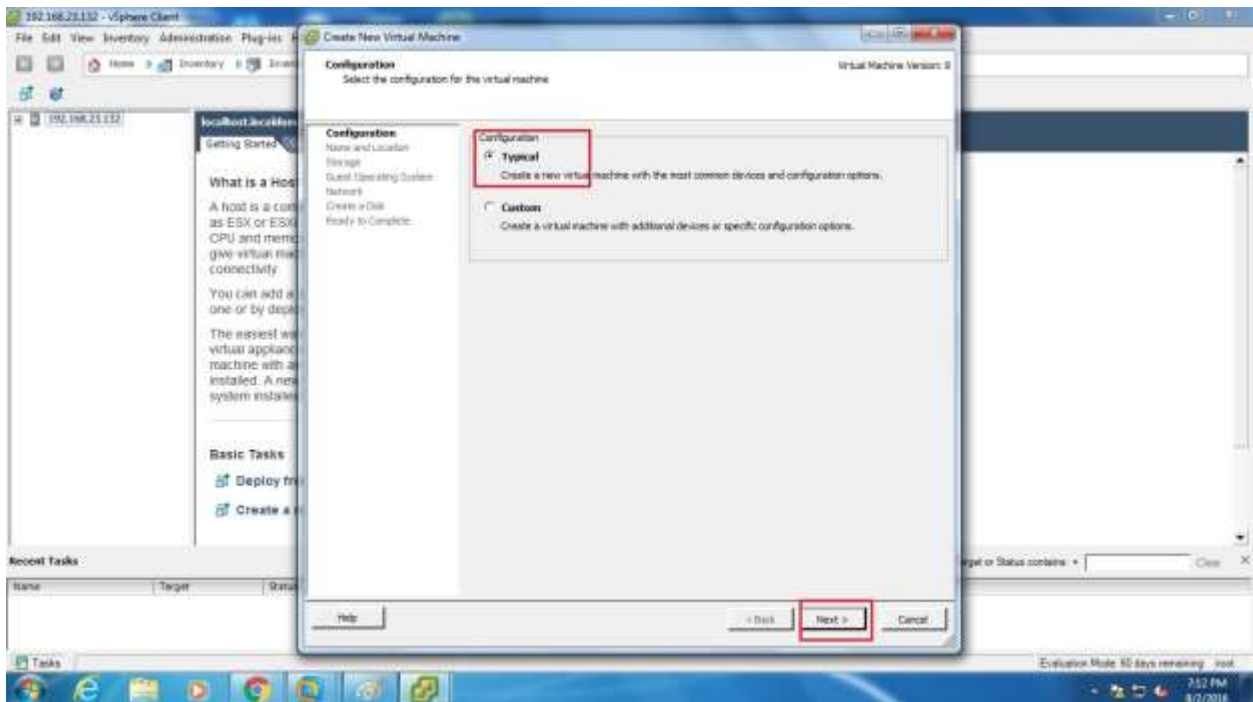
13. Here select ignore button to continue setup as the trial mode



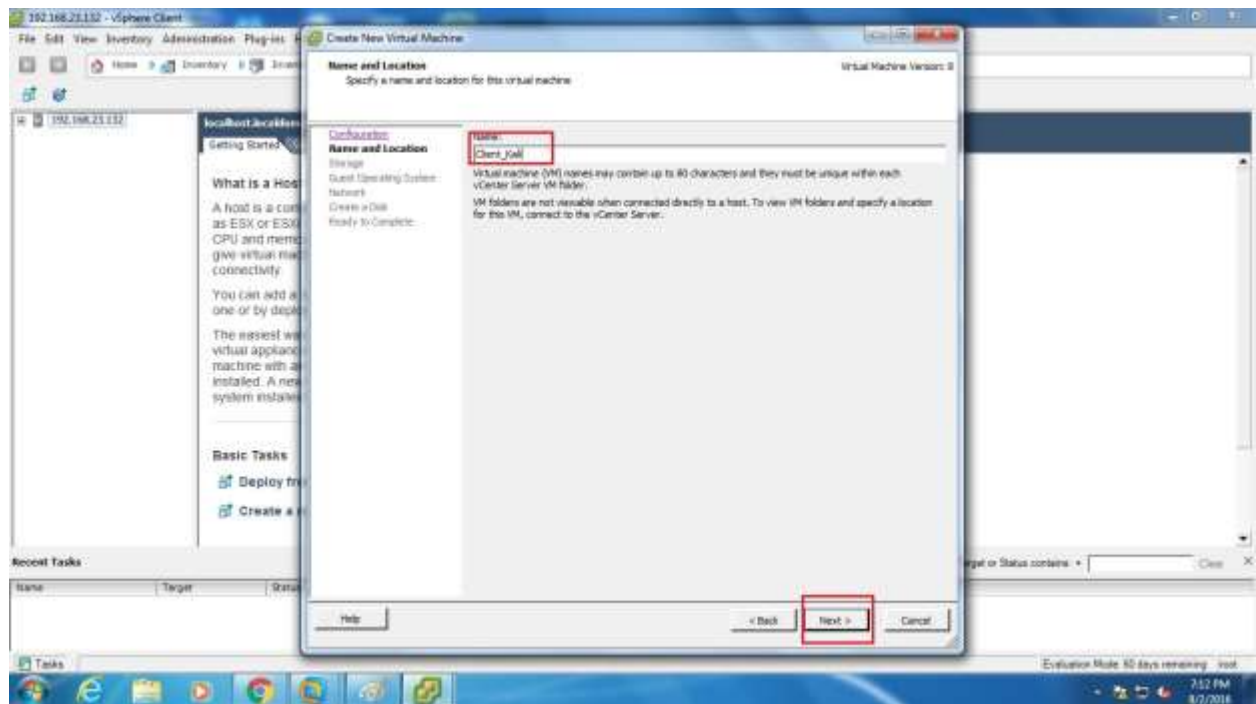
14. This is the main interface of the client, from here Right click on the IP address and click “**Create a new virtual machine**”, to create VM on your bare metal OS.



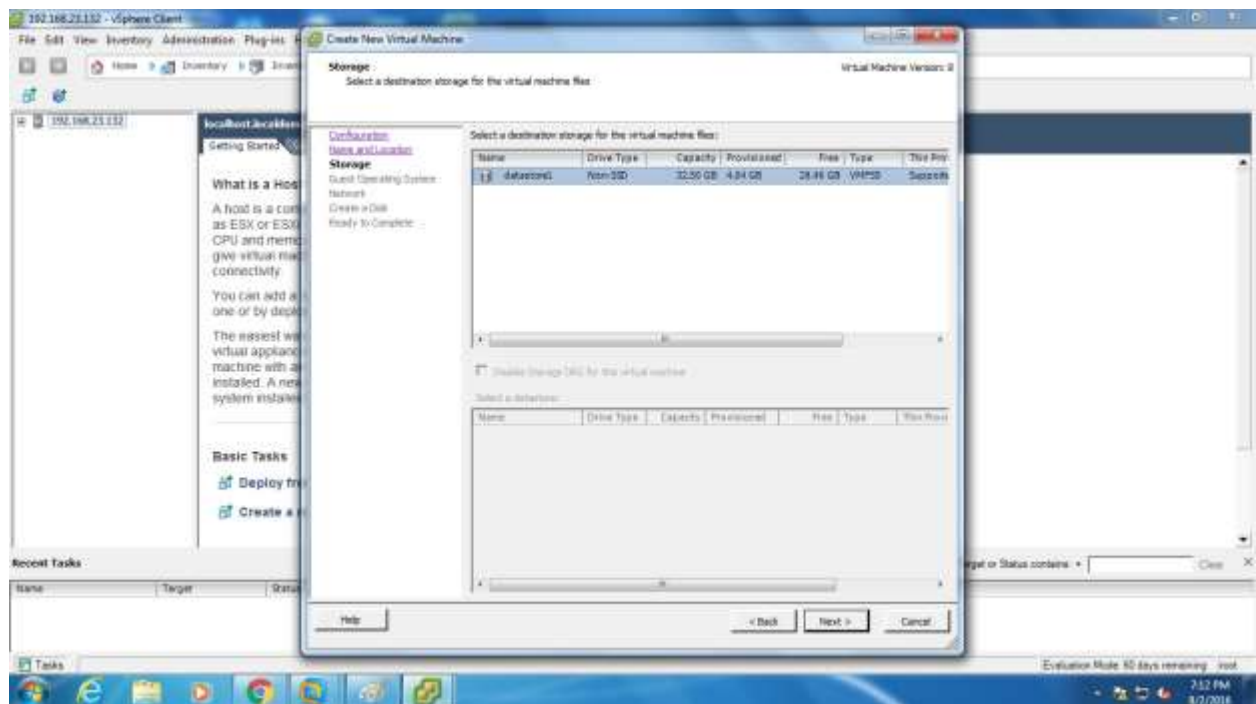
15. Select configuration “**Typical**” and click “**Next**”.



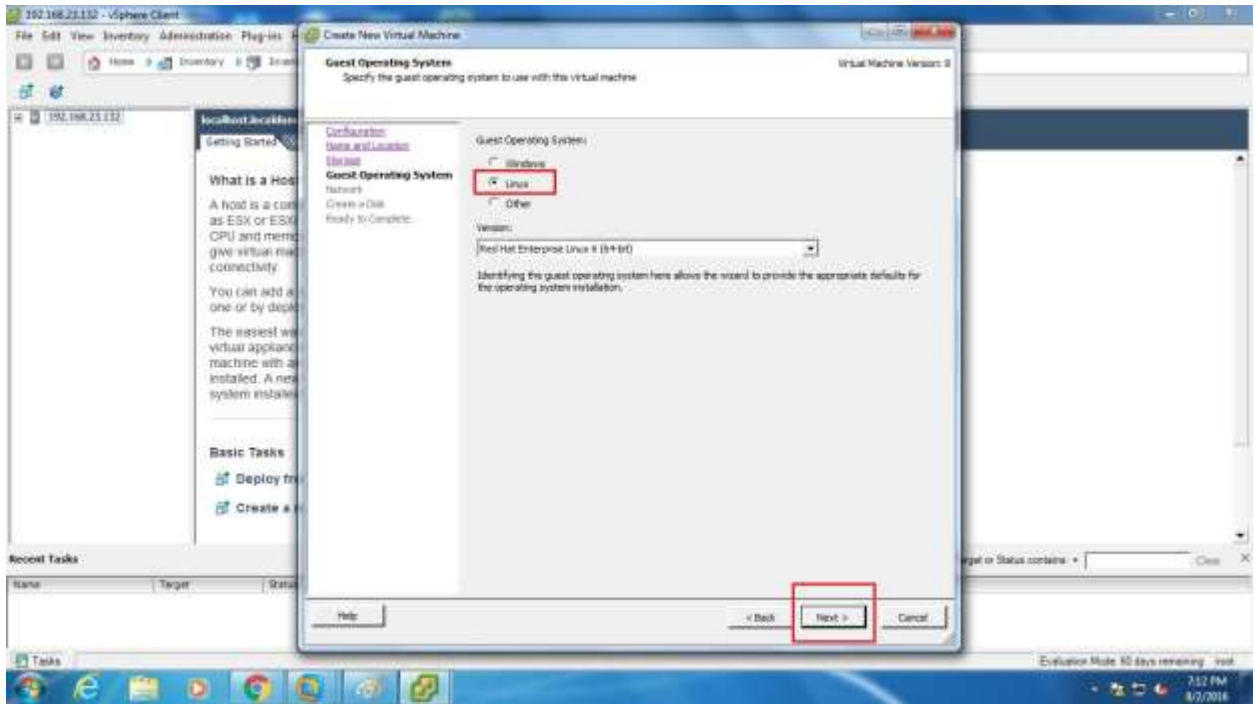
16. Provide name to your VM and then press “Next”.



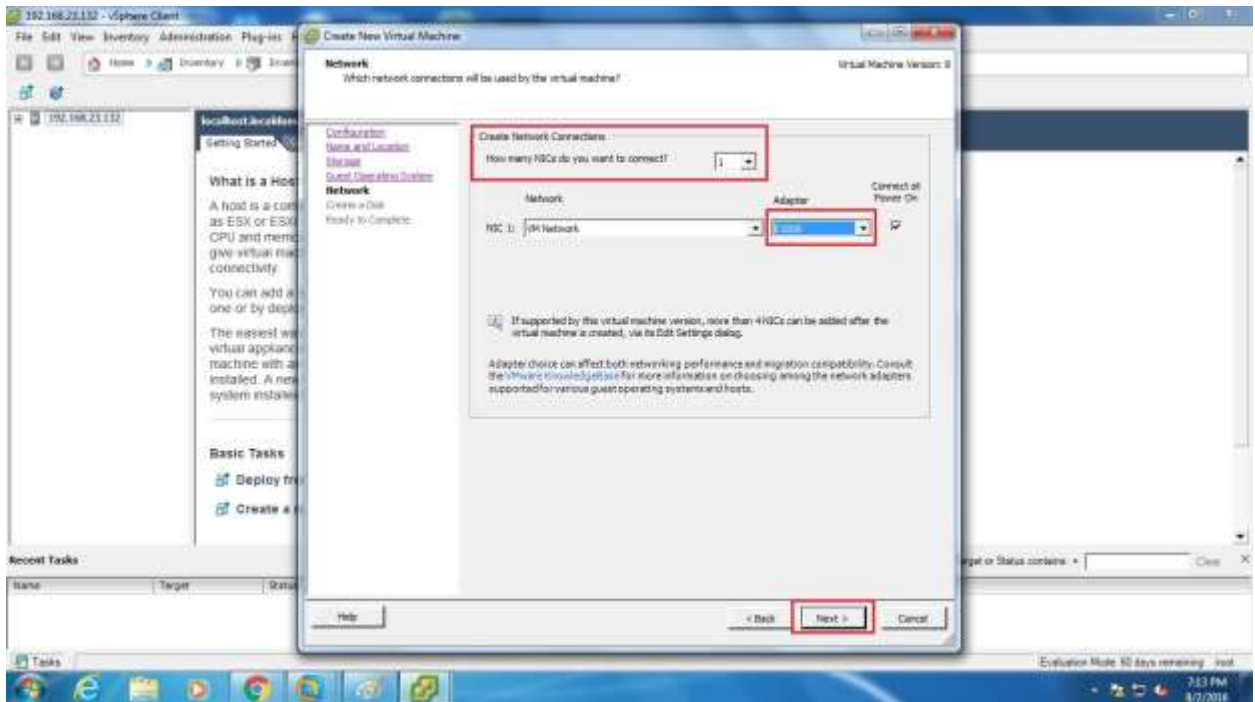
17. Select a destination storage for virtual machine and Click “Next”.



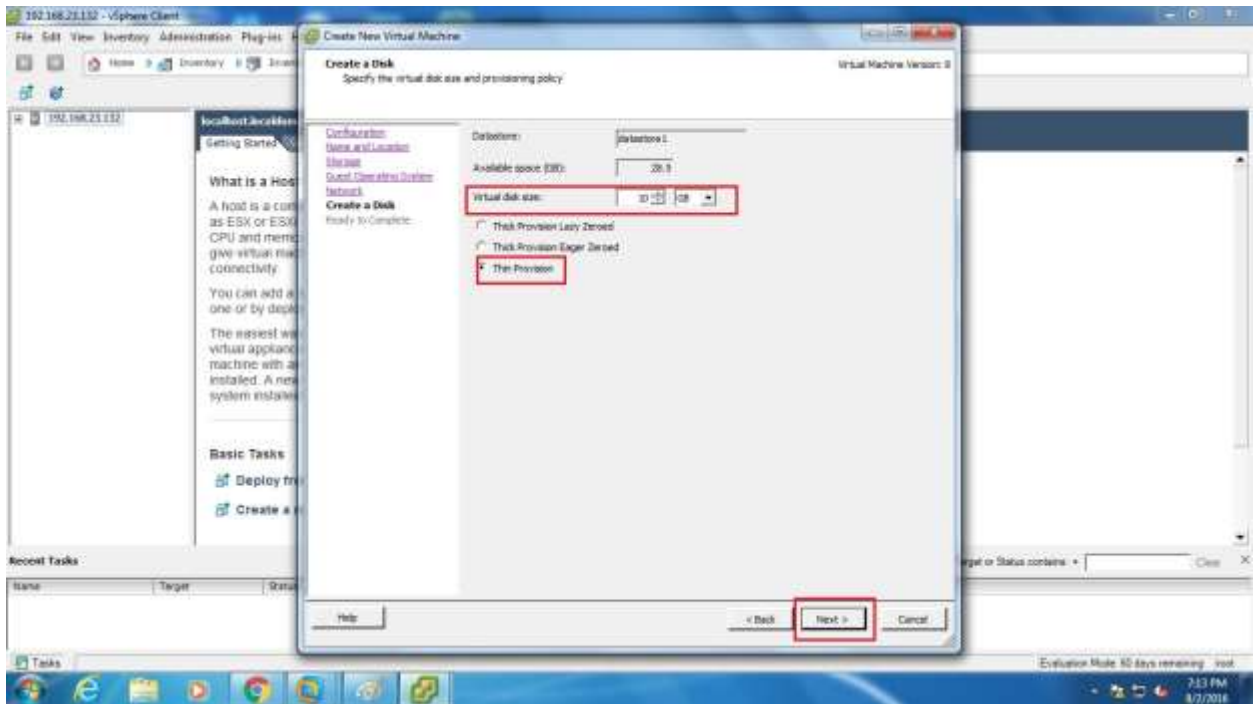
18. Here we are going to use kali Linux, so Select Guest operating system as “Linux” and click “Next”.



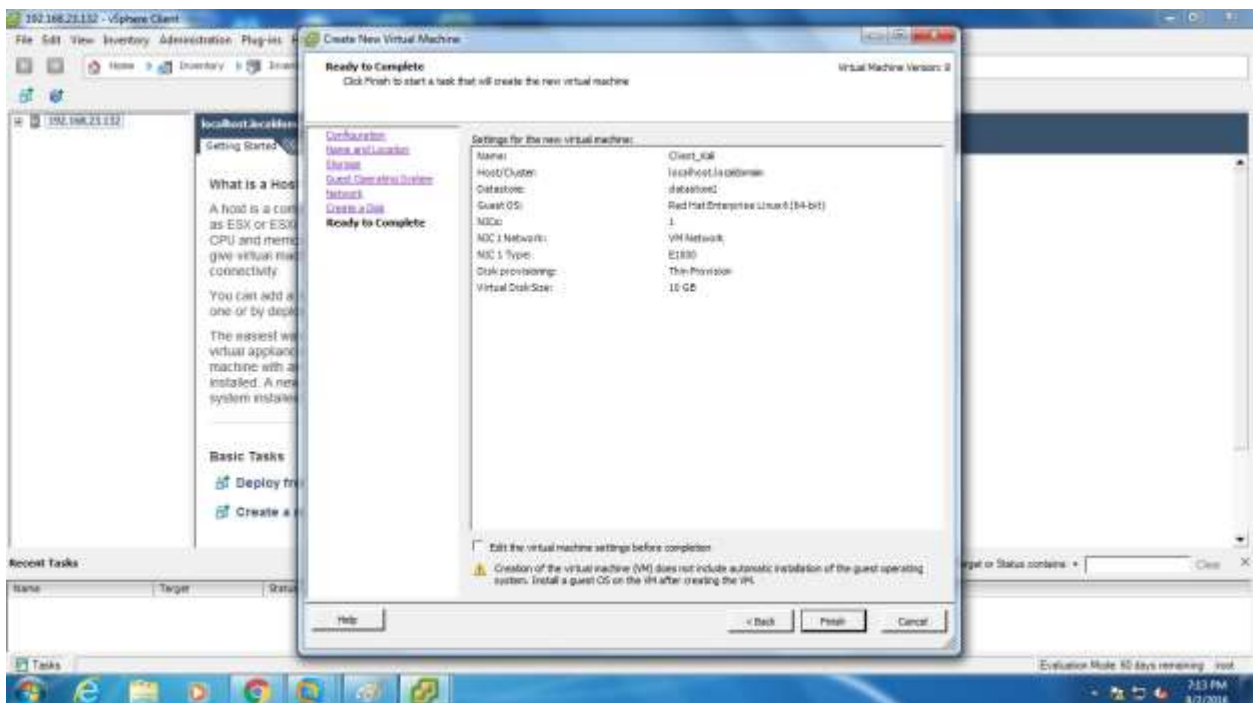
19. Give number of NIC's as “1” and adapter as “E100” and click “Next”.



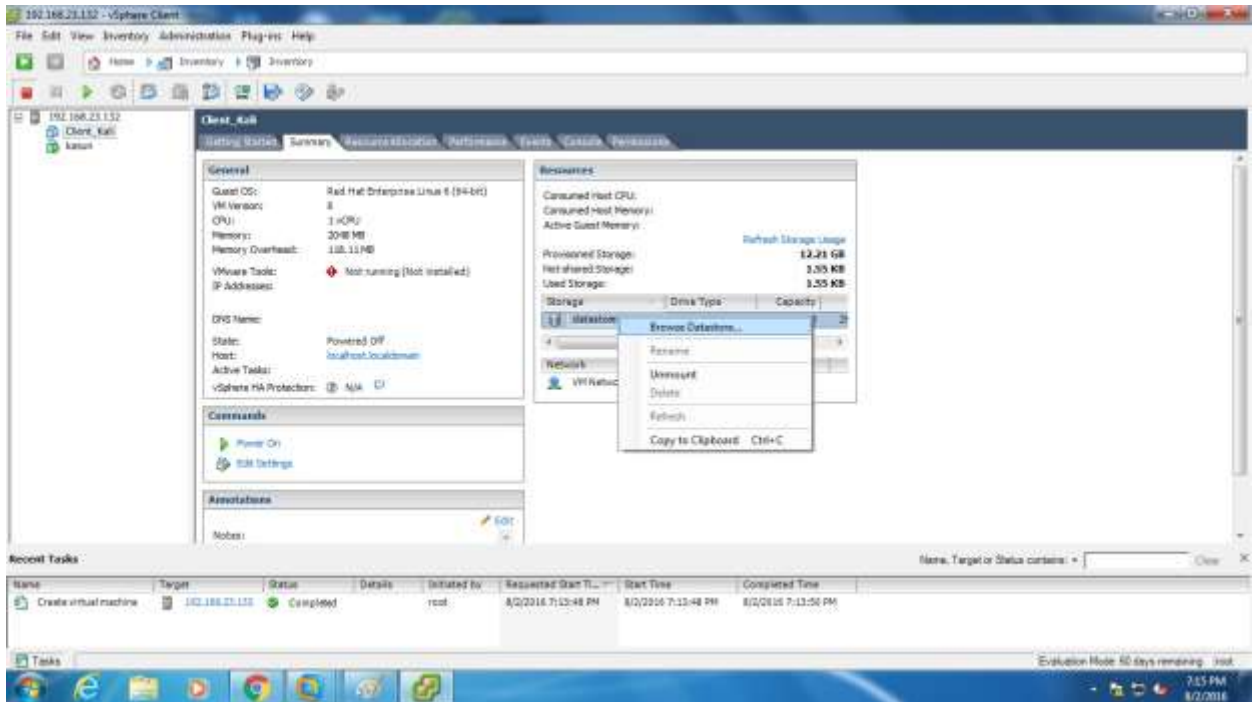
20. Set your virtual disk size from the available space “10GB”, select “Thin provision” and click “Next”.



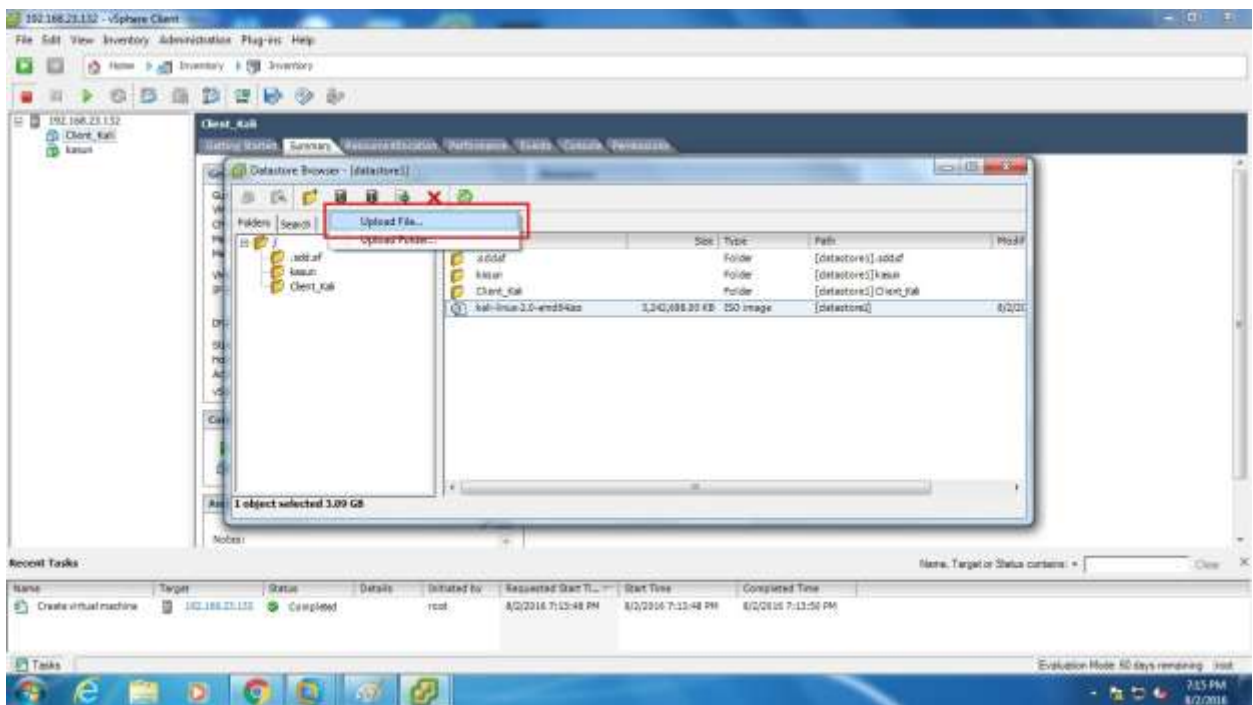
21. Click “Finish” to end creating the client side virtual machine.



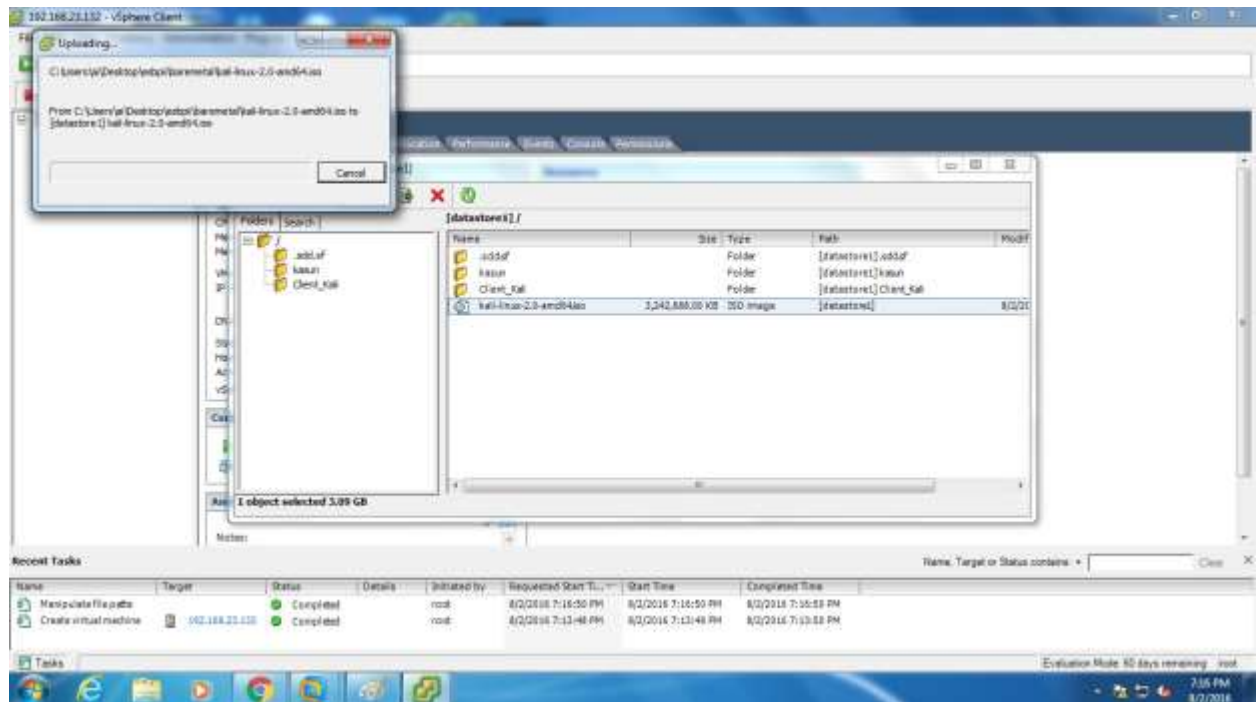
22. Here we need to set the configuration for Linux, so as the first step in the summary tab Right click **Resources** -> **Storage** -> **datastore** and browse a datastore.



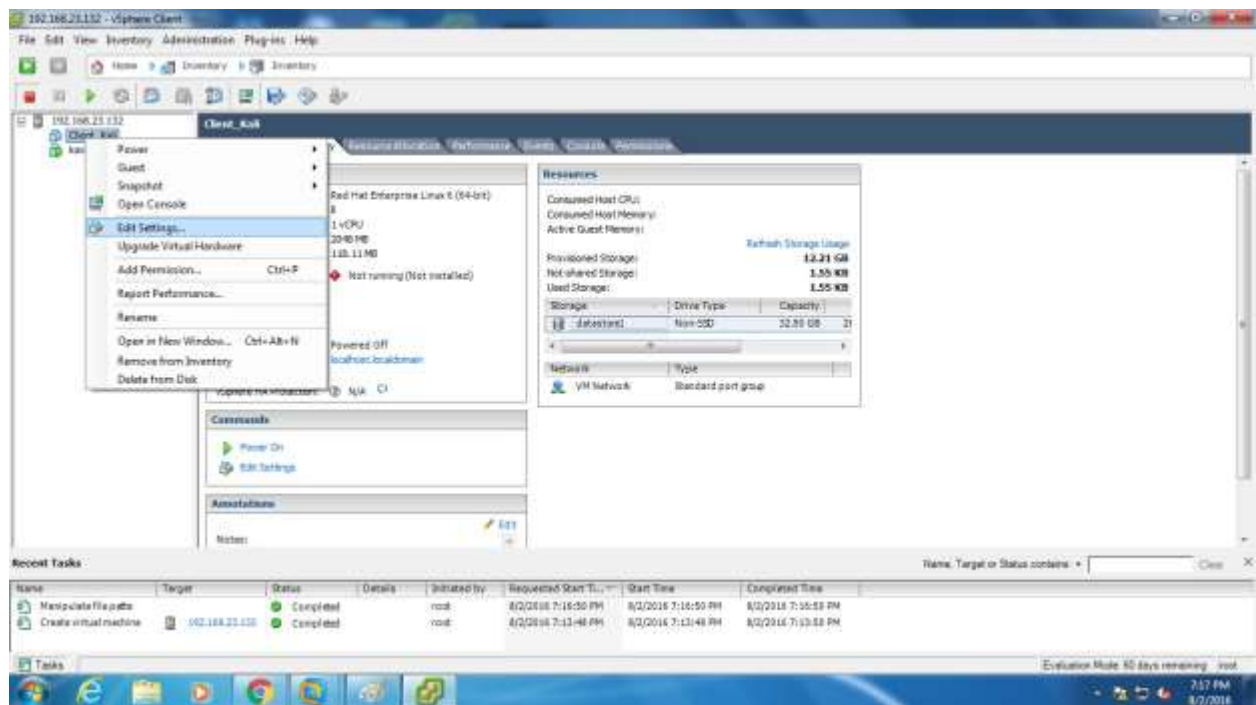
23. Select the **Kali Linux ISO image** and upload this image file to your VM



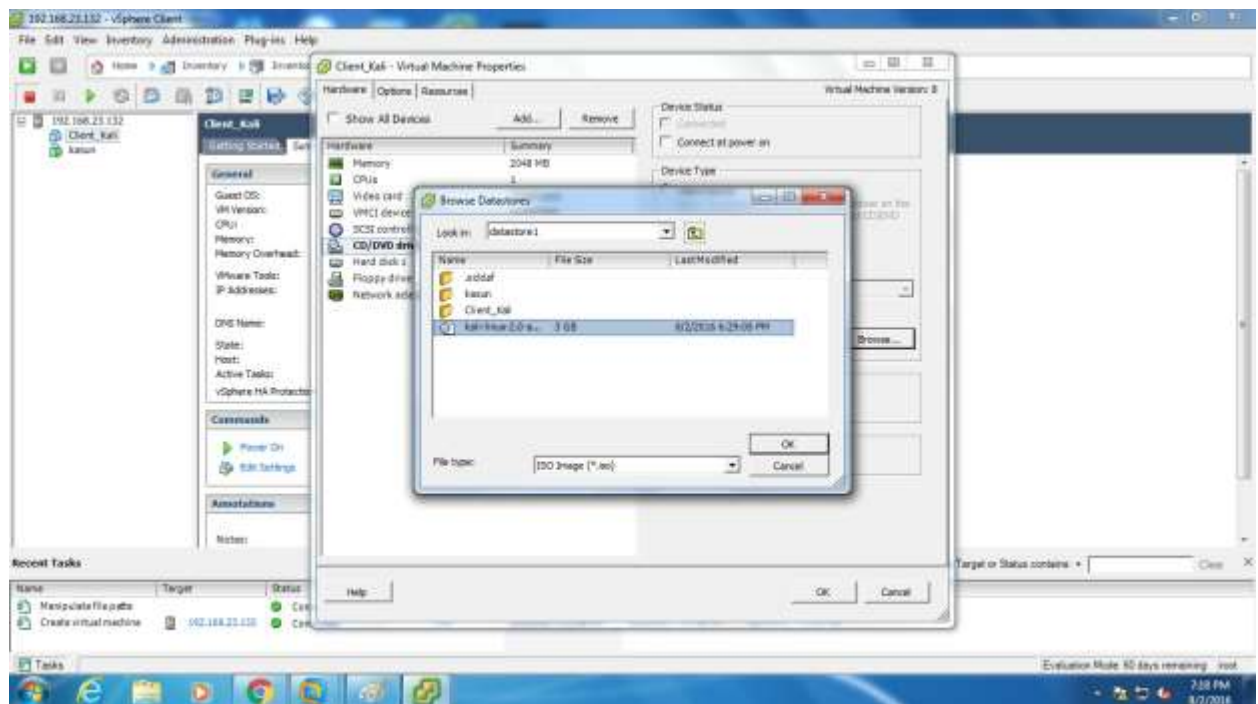
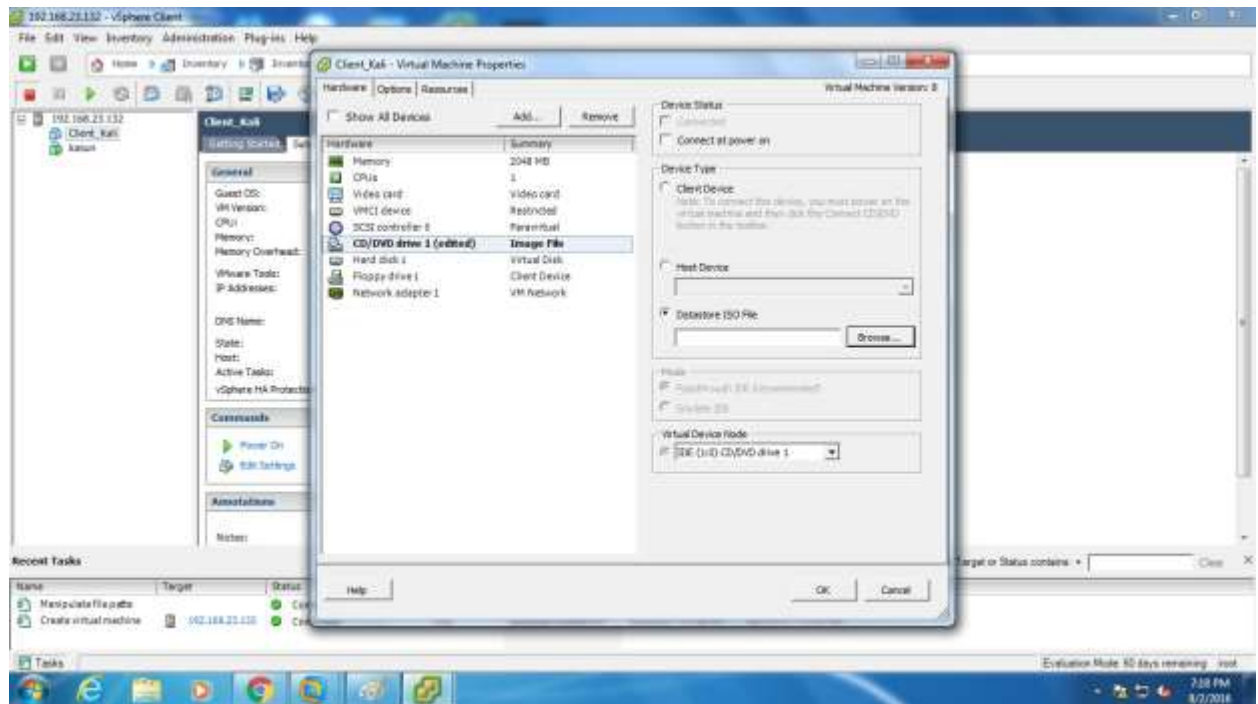
24. It will take some time to upload the kali linux



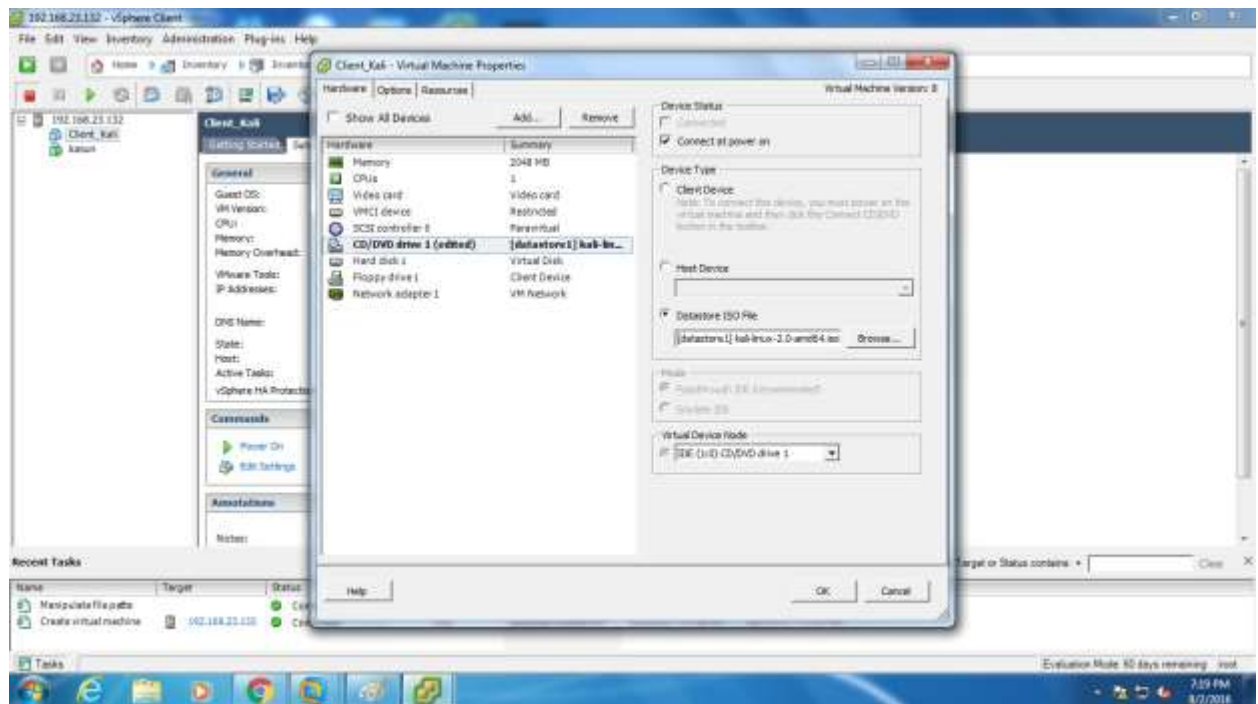
25. Once the upload is finished, Right Click the client side server created and select "Edit Settings". To set configurations.



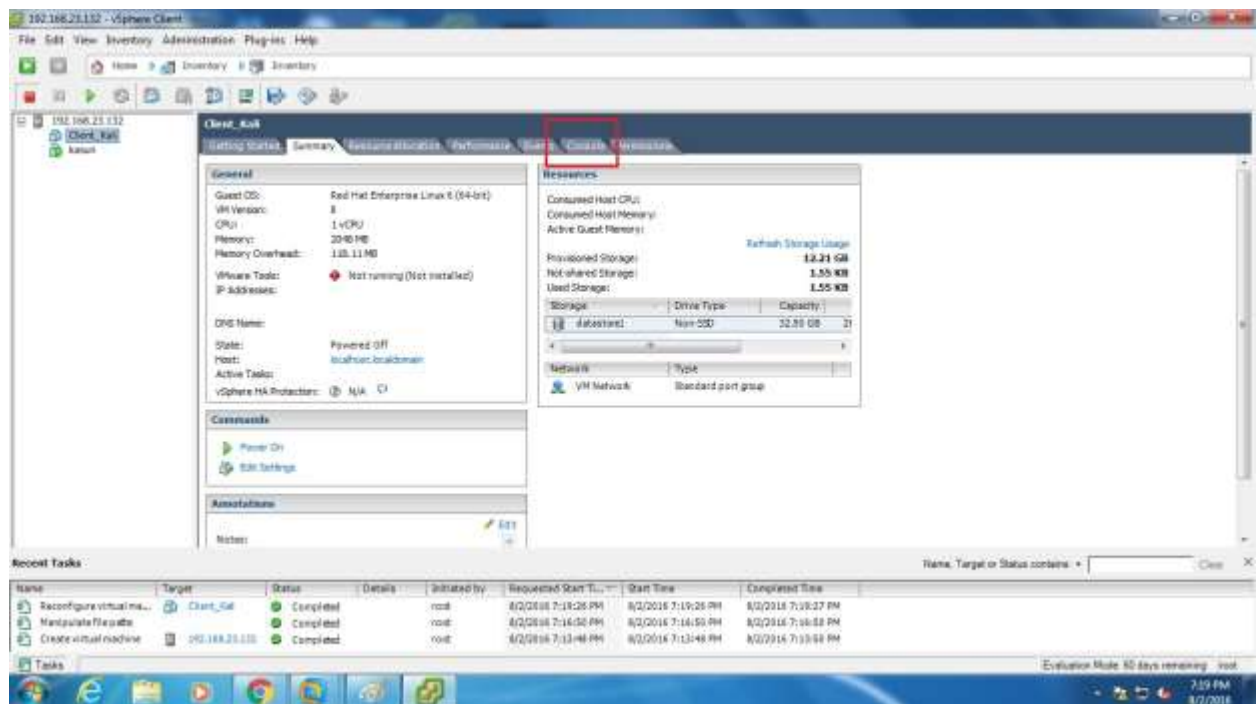
26. Select the Hardware “CD/DVD drive1” and browse kali linux to unmount the image file

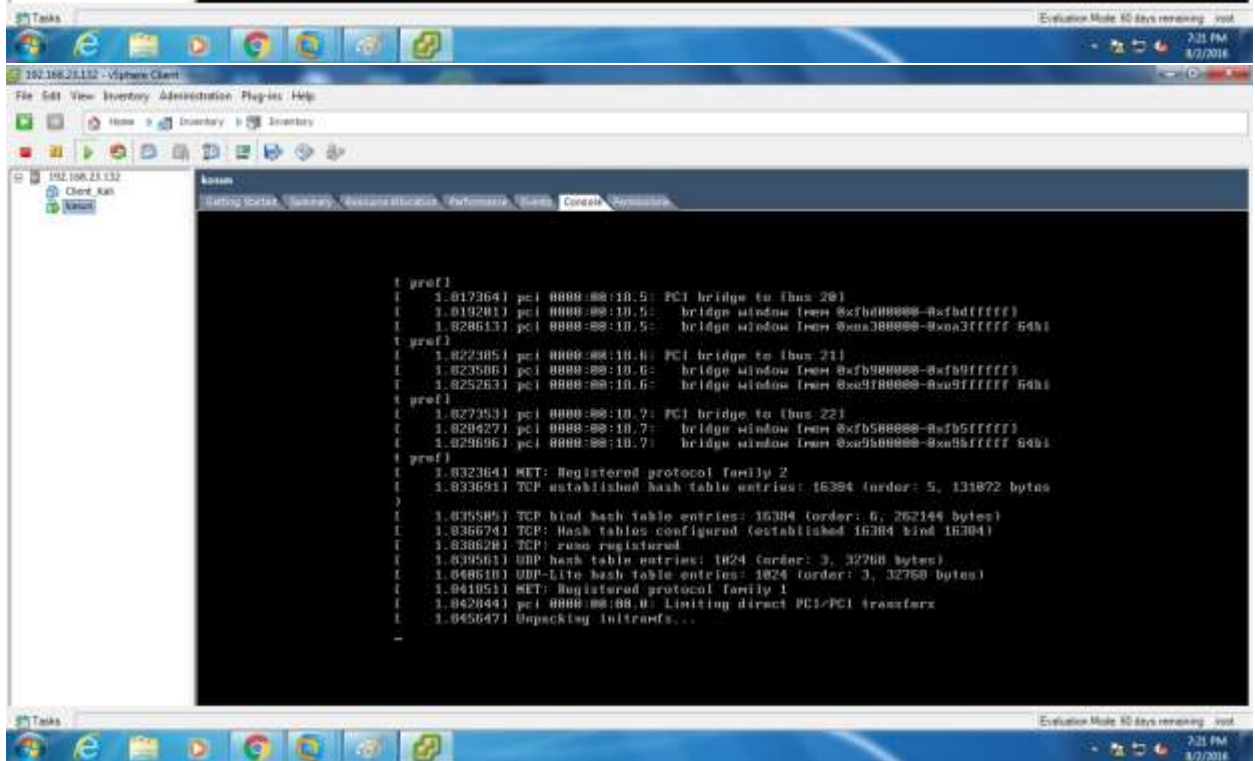


27. Set the Device Status as “Connect at power on” and click “OK”.



28. Go to console tab and click power on then your OS will start to boot from the VM





Now we can work with kali Linux

