



SLIIT

COMPUTING

BUSINESS

ENGINEERING

Enterprise Standards and Best Practices for IT Infrastructure

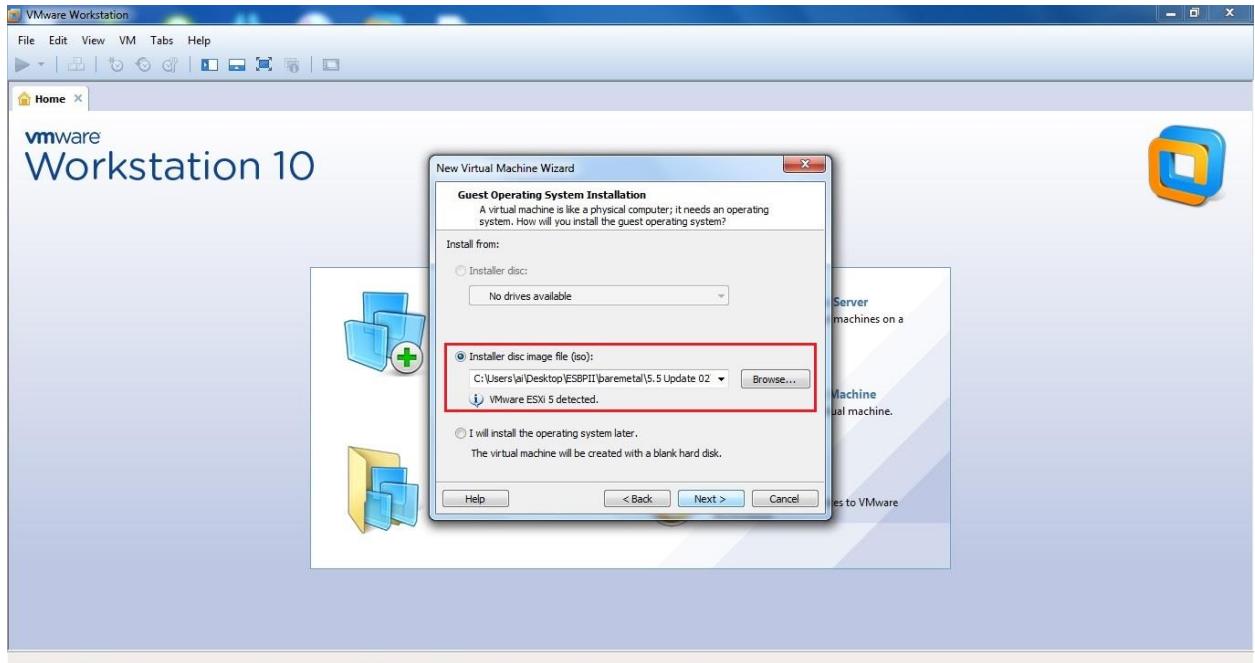
Lab Assignment 04

Baremetal Virtual machine Instrallation

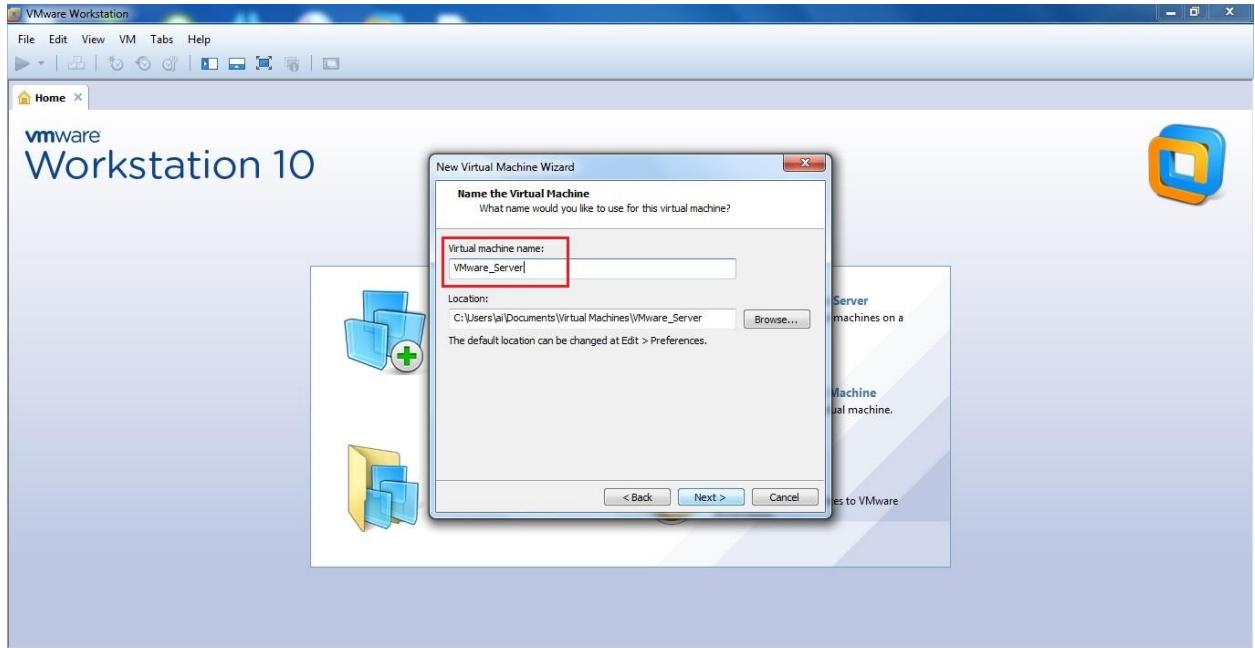
De Silva K.D.H.P

IT13085568

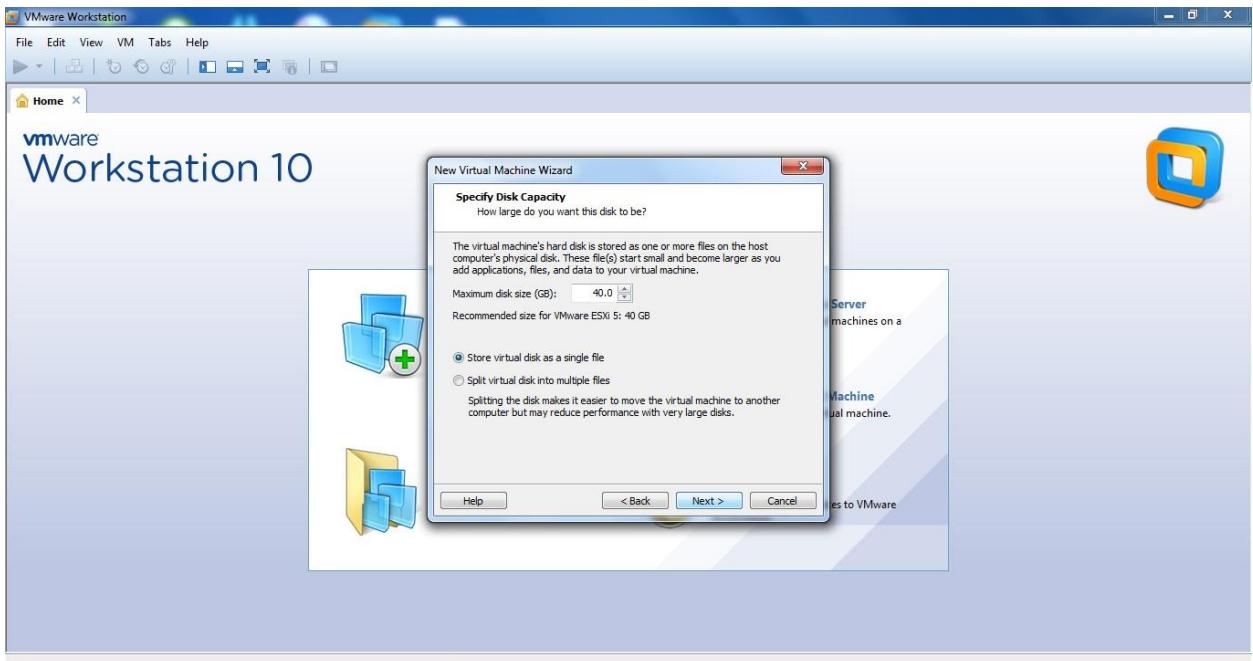
1. Browse and select the Installer disc image file.



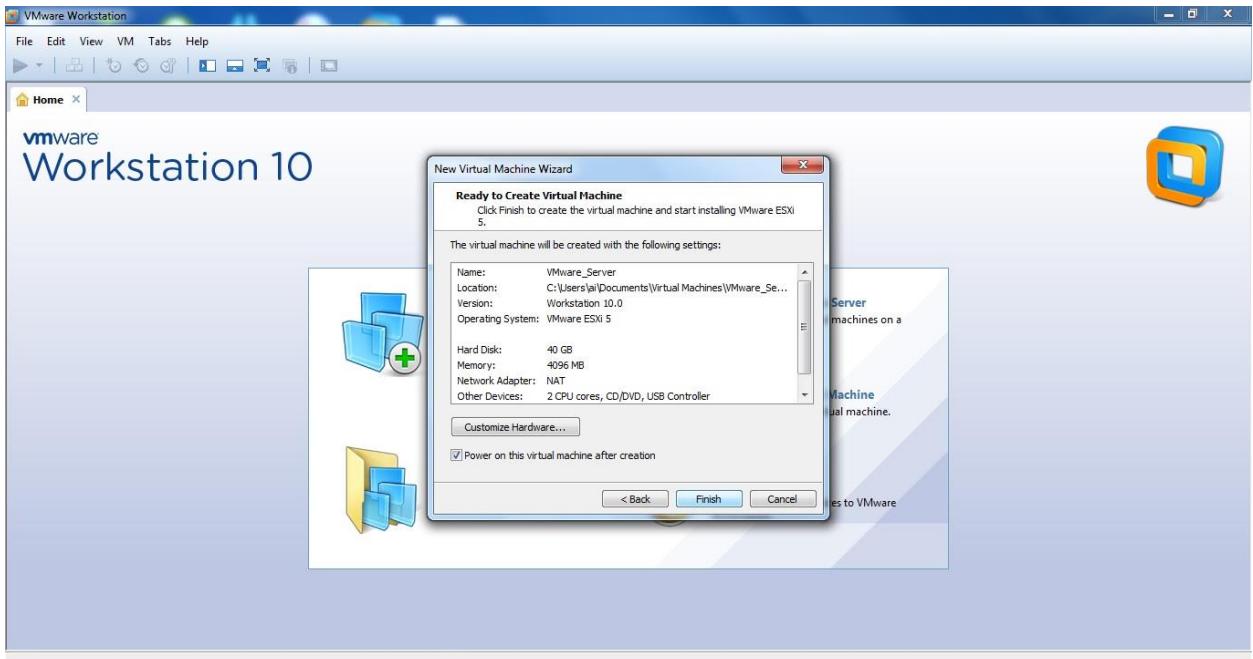
2. Give a name to the Virtual Machine.



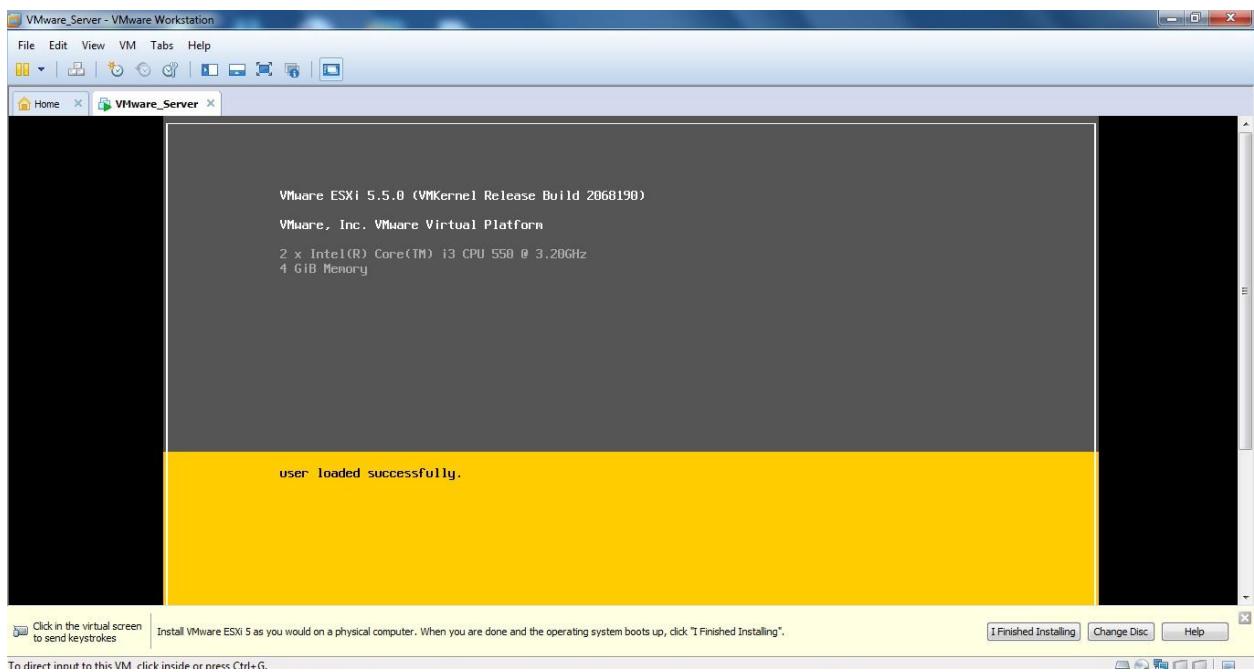
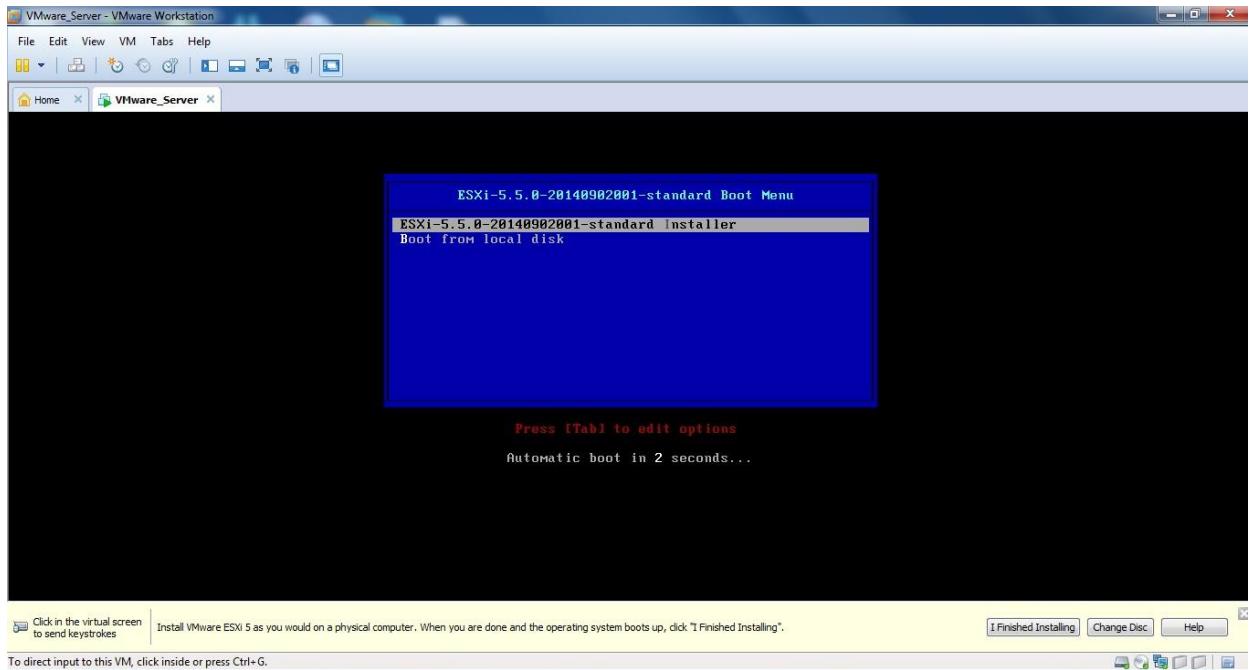
3. Select ‘Store virtual disk as a single file’ and select the disk size.



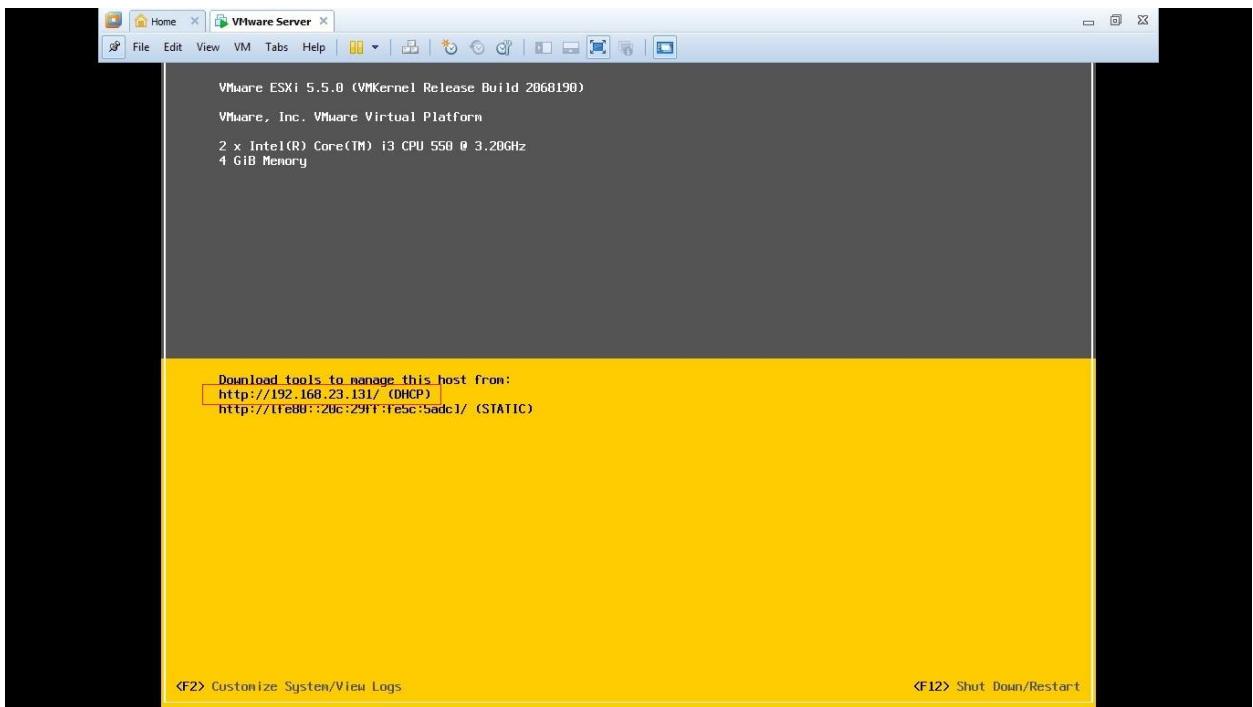
4. Click ‘Finish’ to end the installation process.



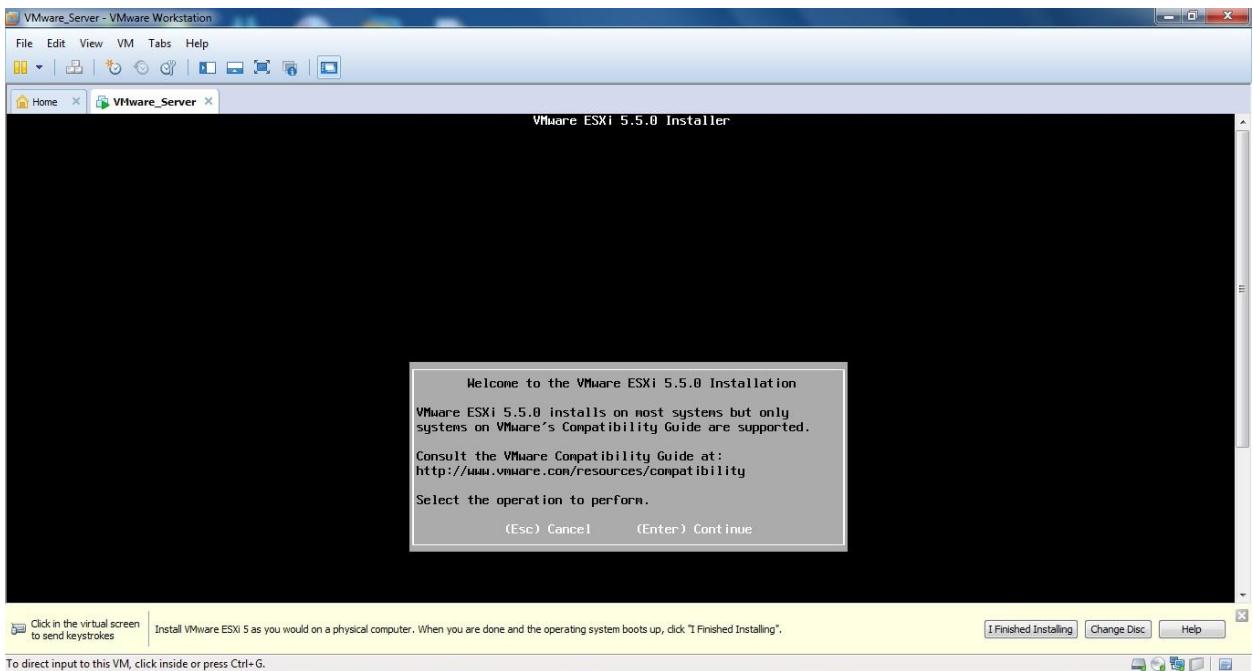
5. Installation process initialization.



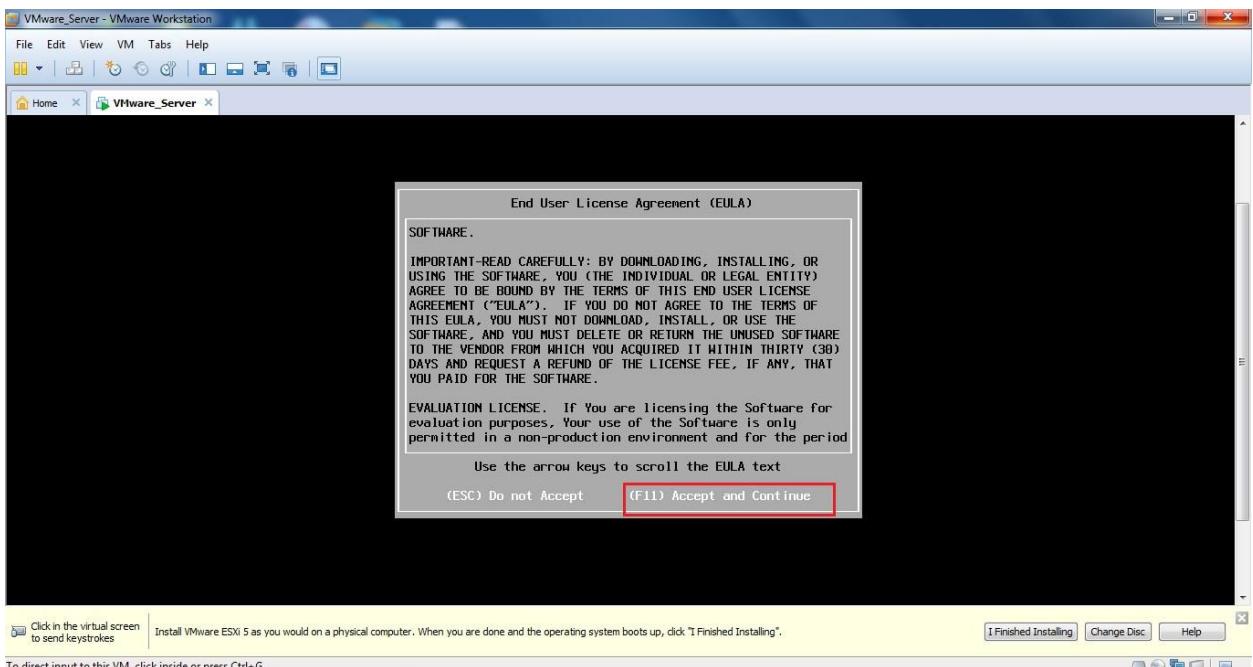
6. IP address to download the client software will be available after the installation.



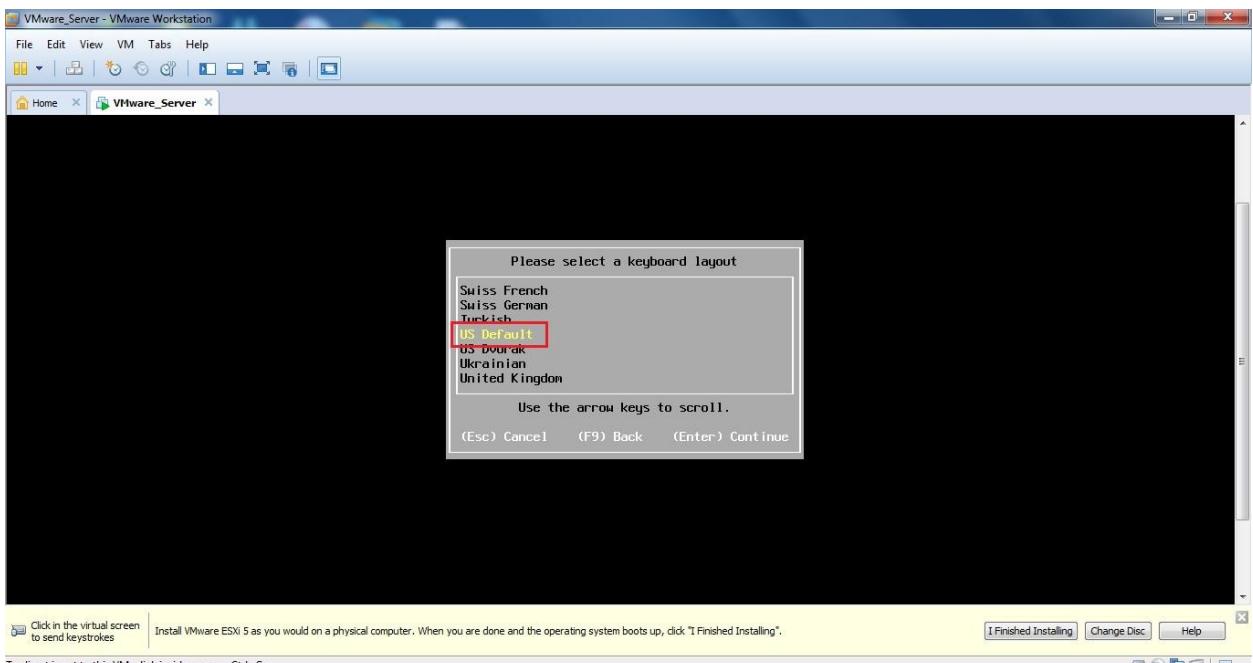
7. Installation process.



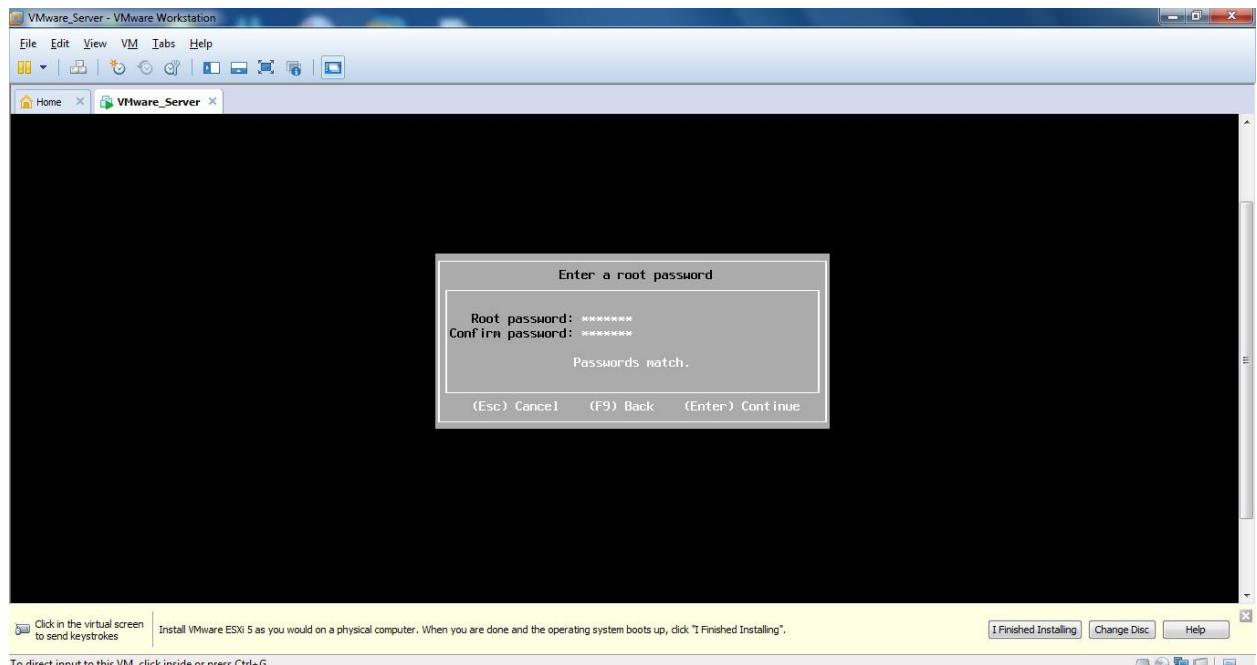
8. Press 'F11' to agree to license agreement.



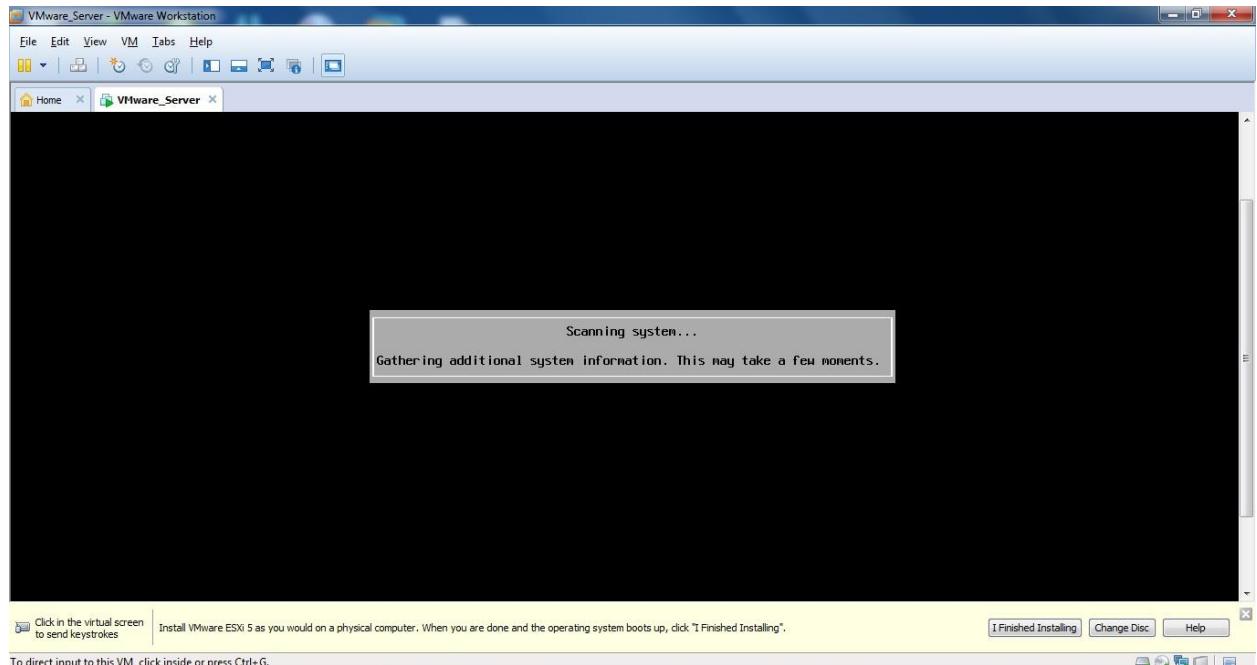
9. Select the language as 'US default'.

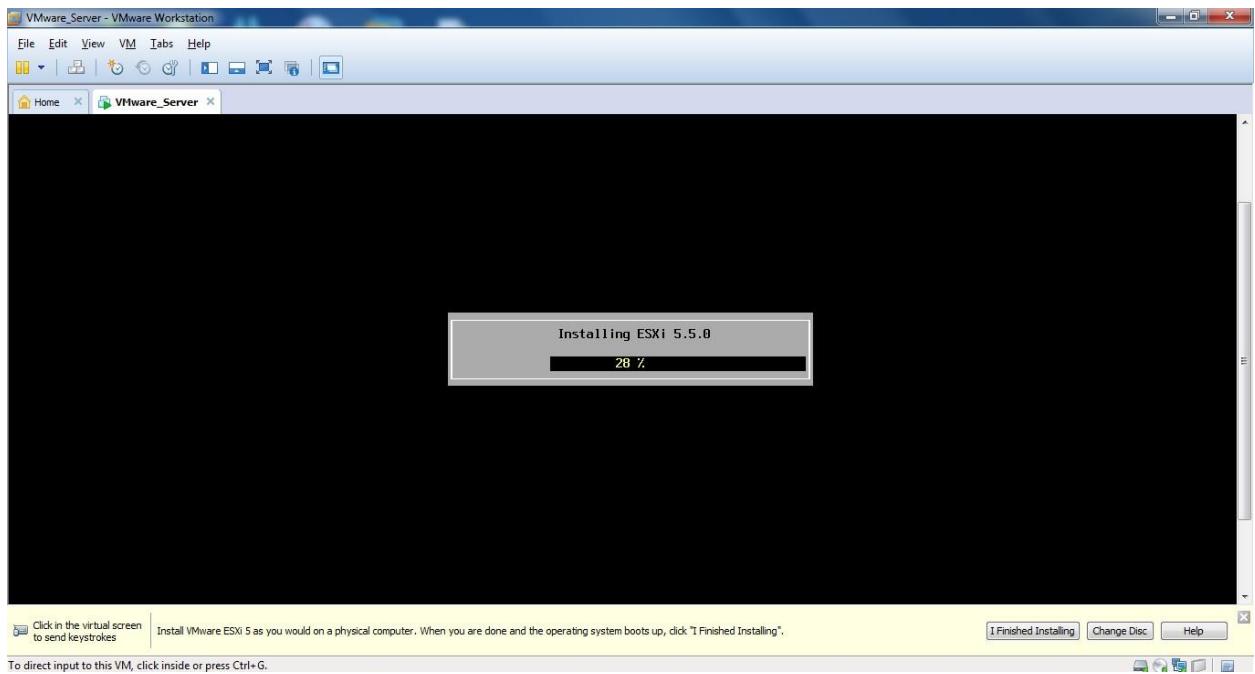


10. Enter the root password.

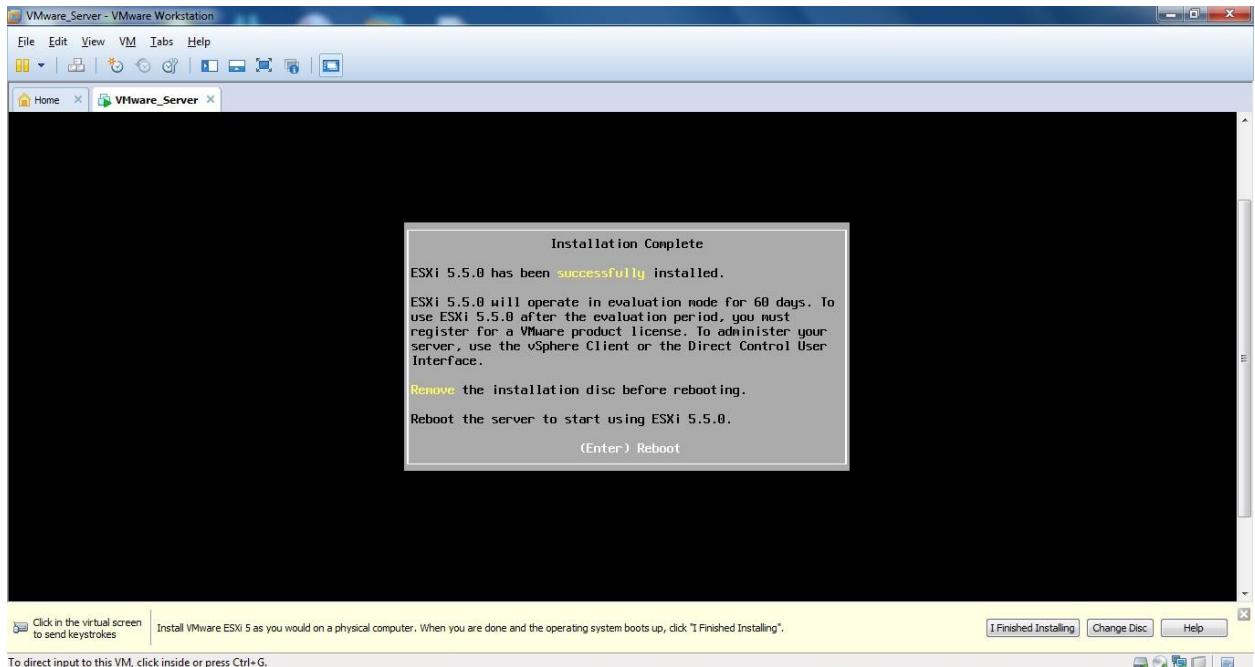


11. Installation process of the VMware server ESXi 5.5.0

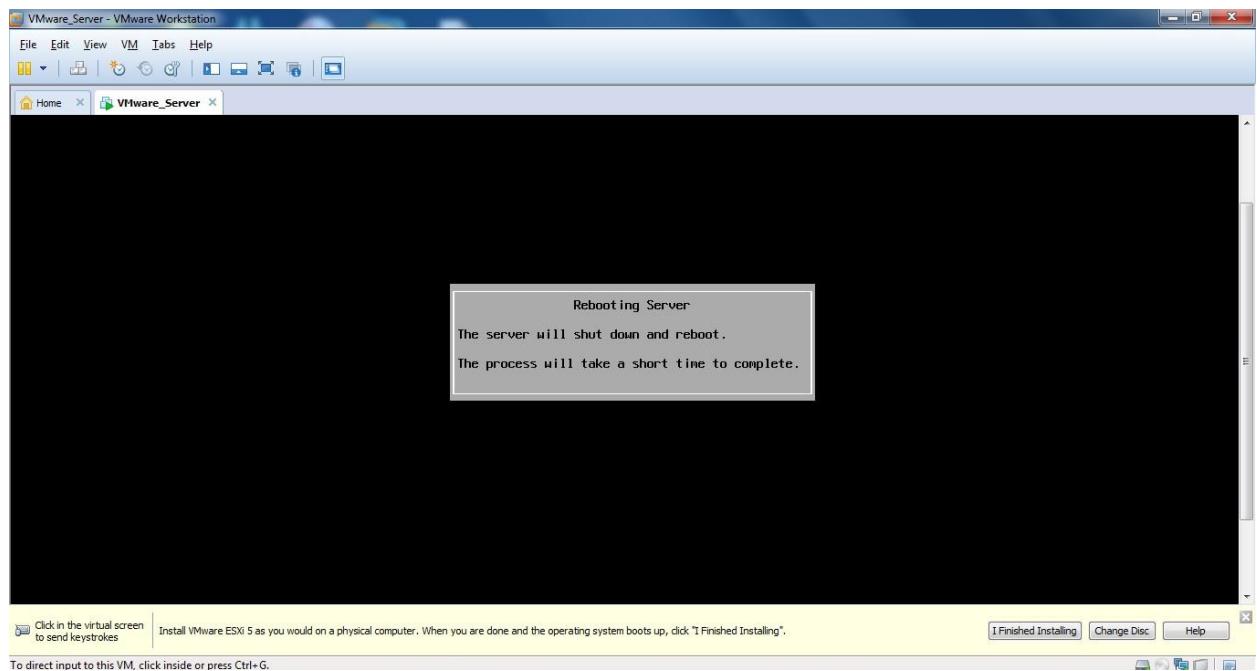




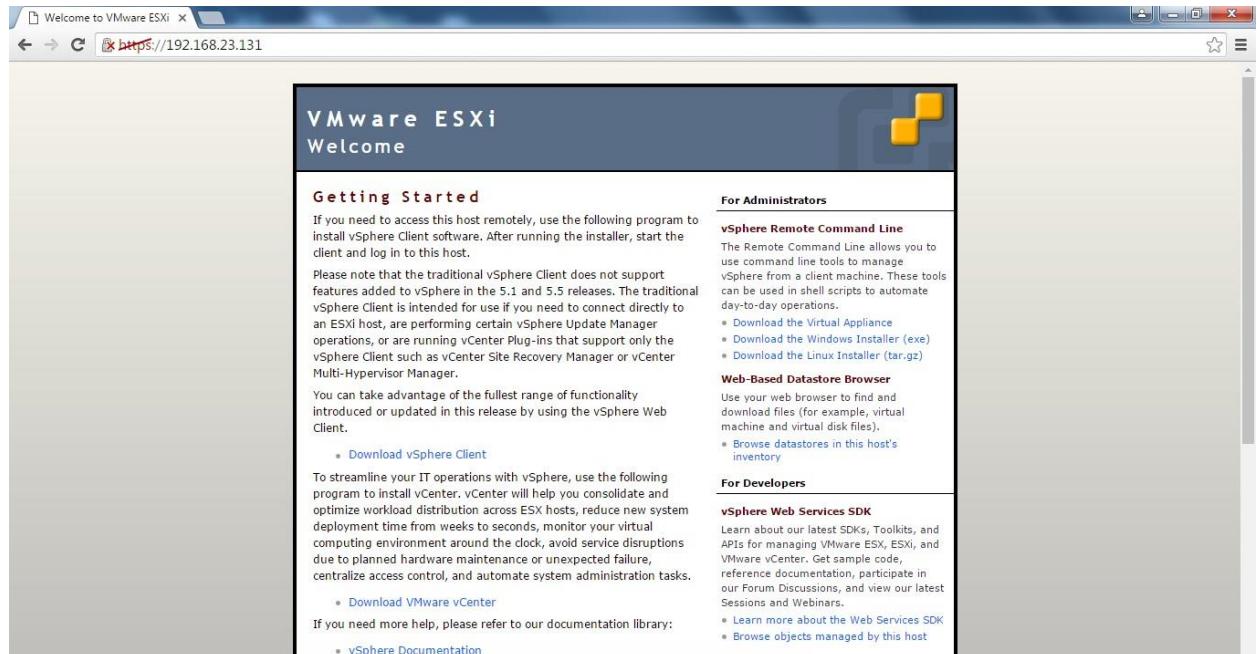
12. Press 'Enter' to reboot the system after the installation.



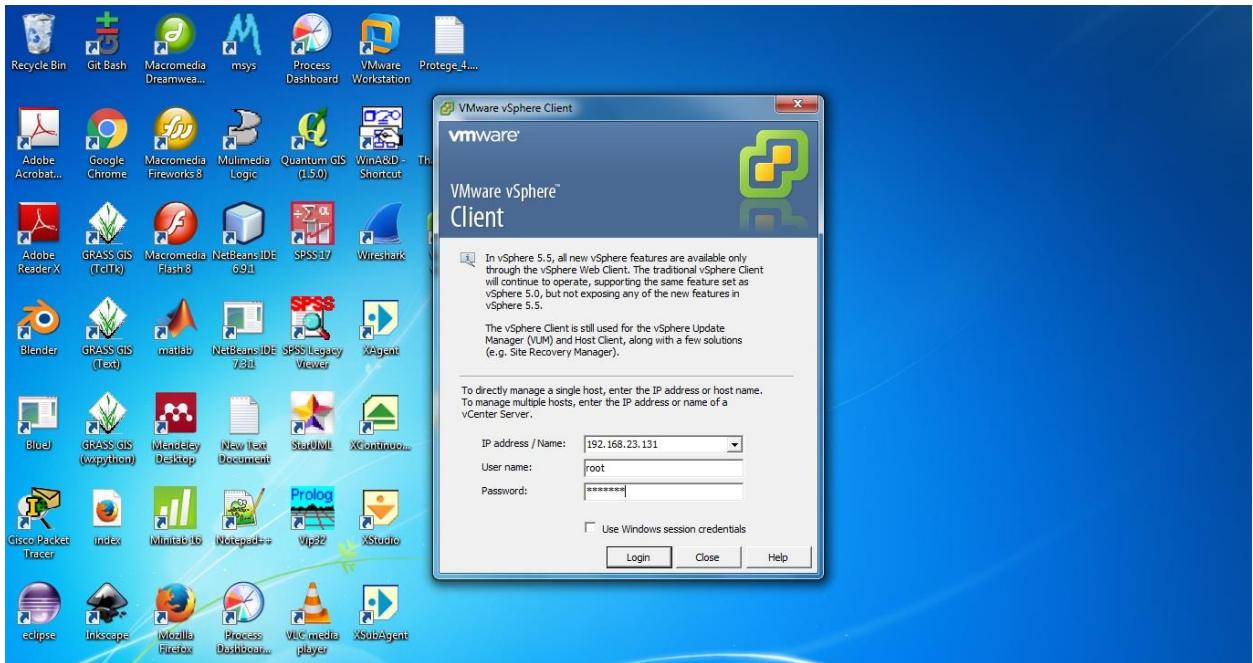
13. Rebooting the server.



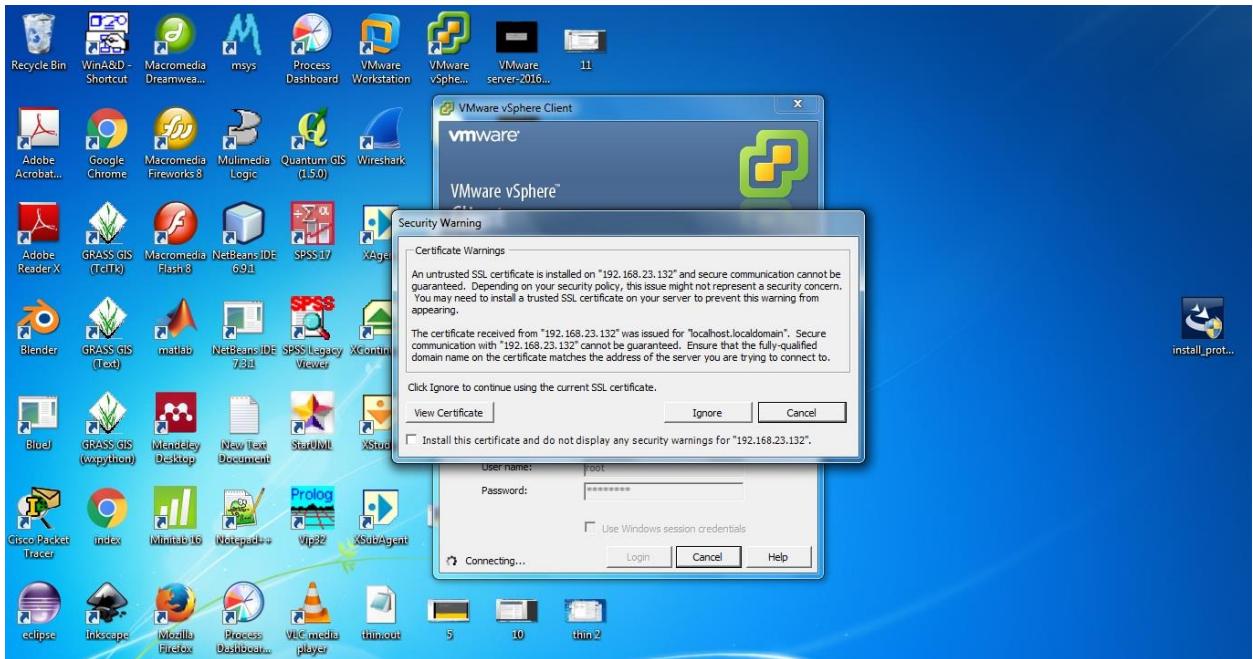
14. Using the IP address obtained download the vSphere Client.



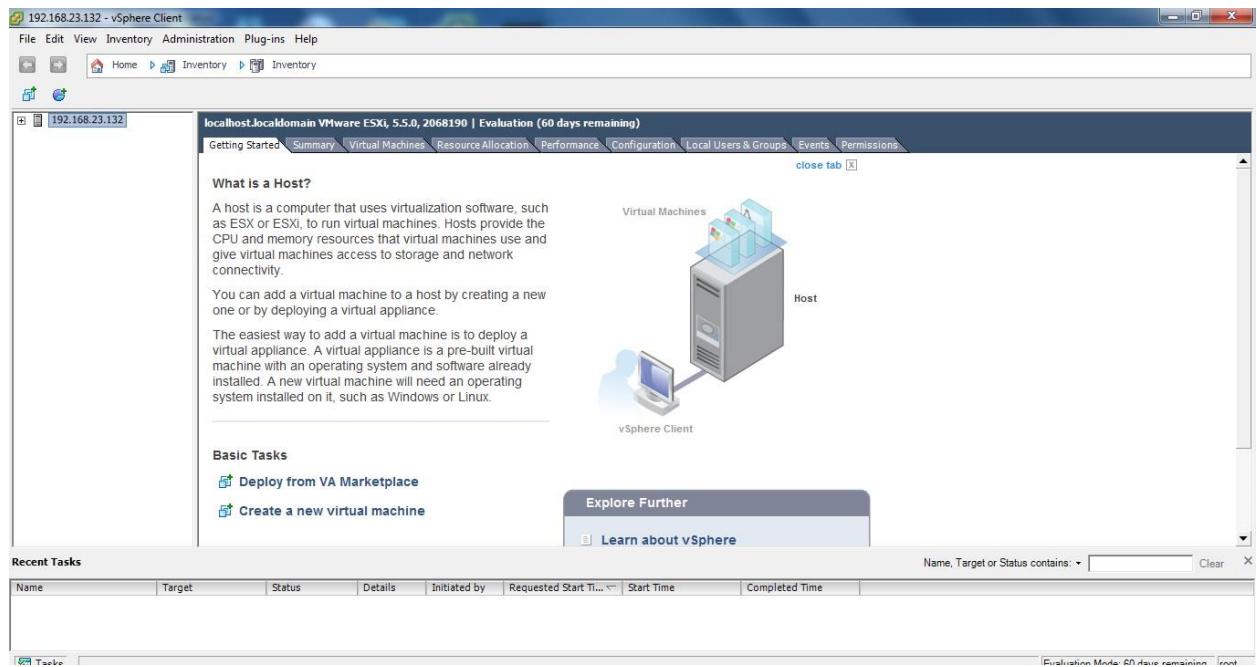
15. After downloading install the software. Then log in by giving the IP address, username and password.



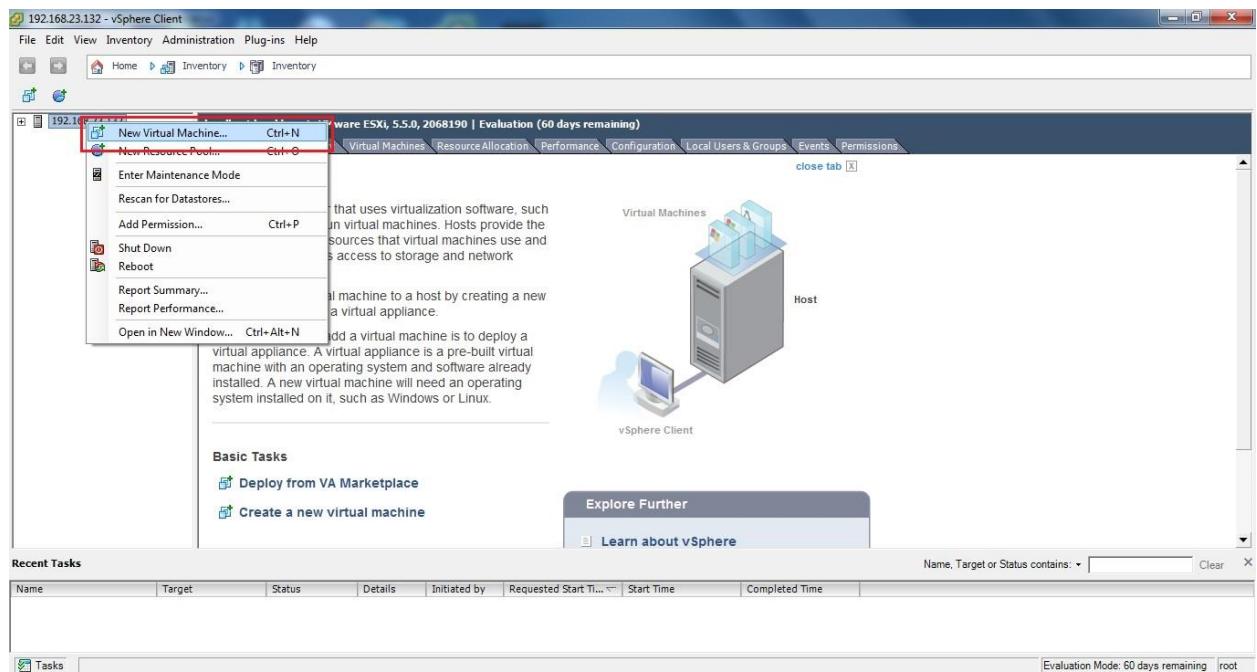
16. Click 'Ignore' to close the window as the downloaded software is a trial version.



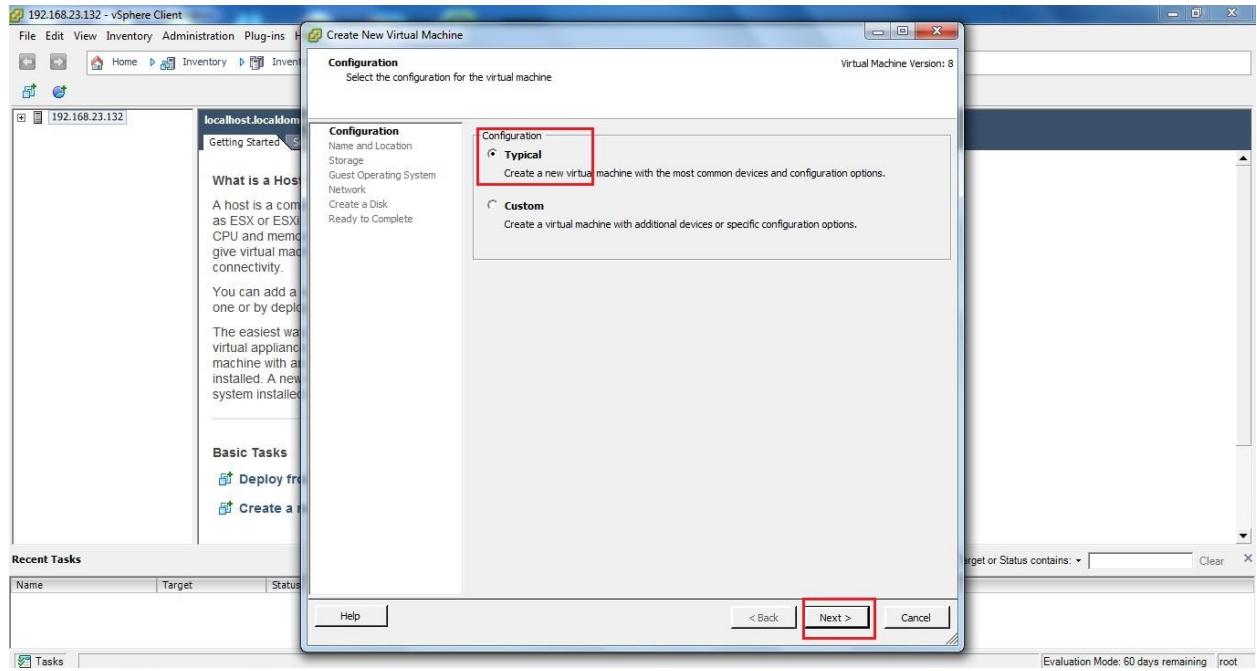
17. Main interface of the vSphere Client.



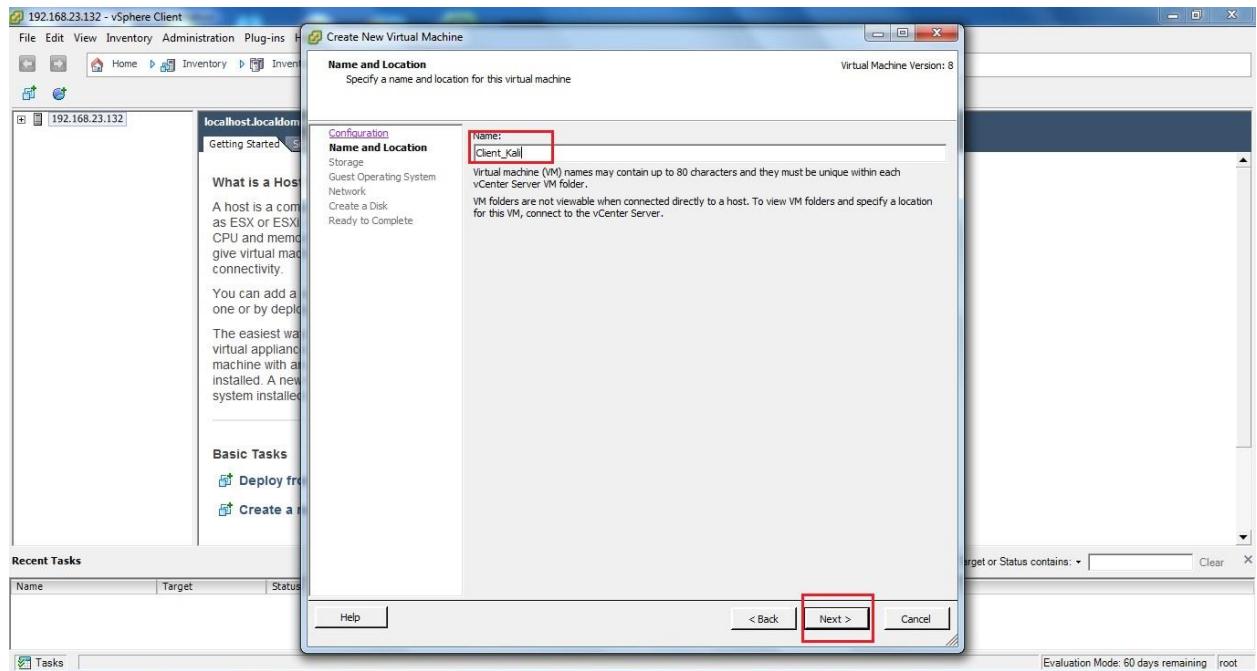
18. Right click on the IP address and click 'Create a new virtual machine'.



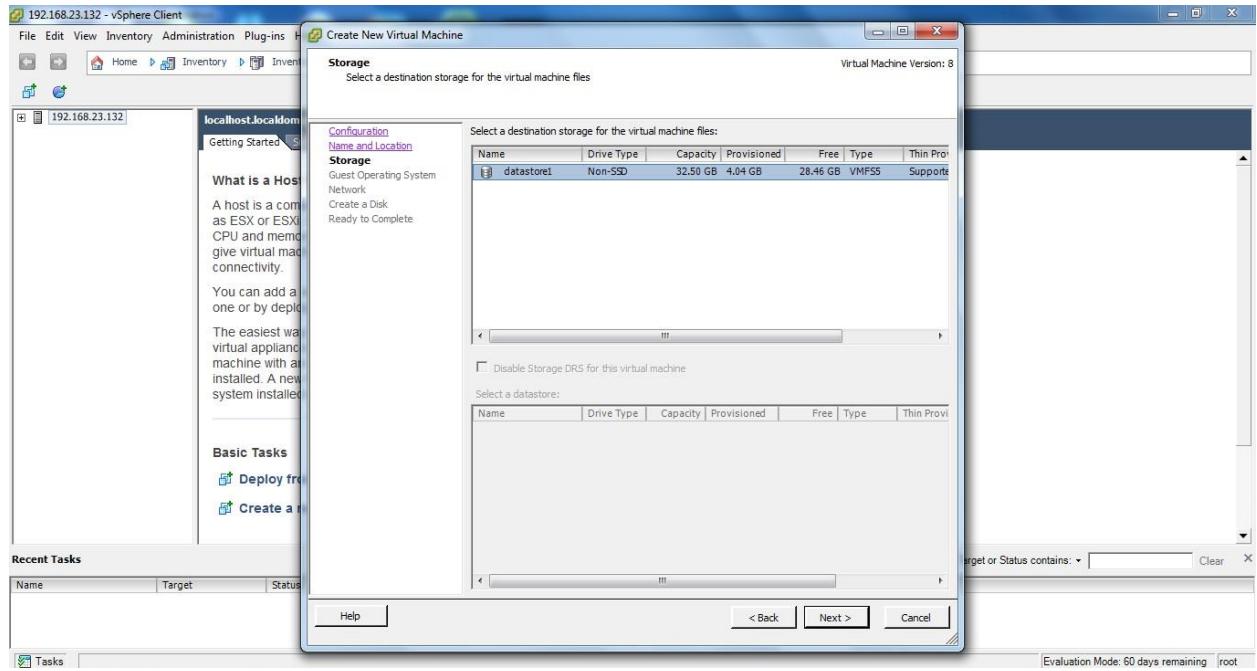
19. Select configuration ‘Typical’ and click ‘Next’.



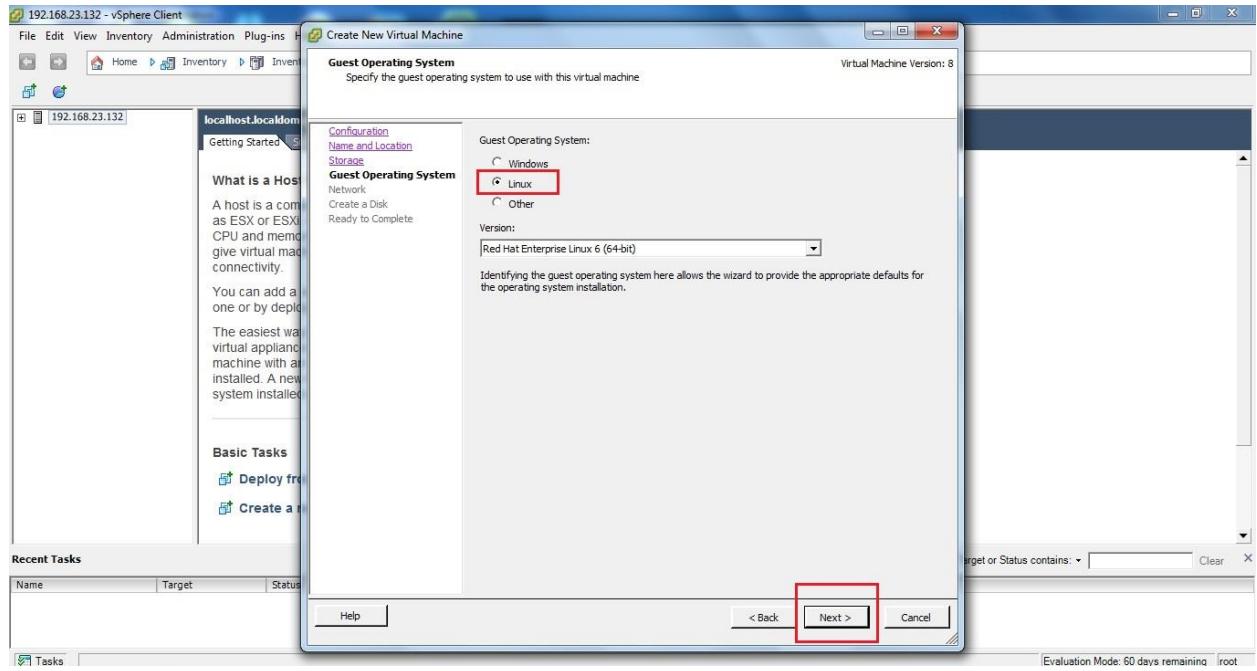
20. Give a name to the client and click ‘Next’.



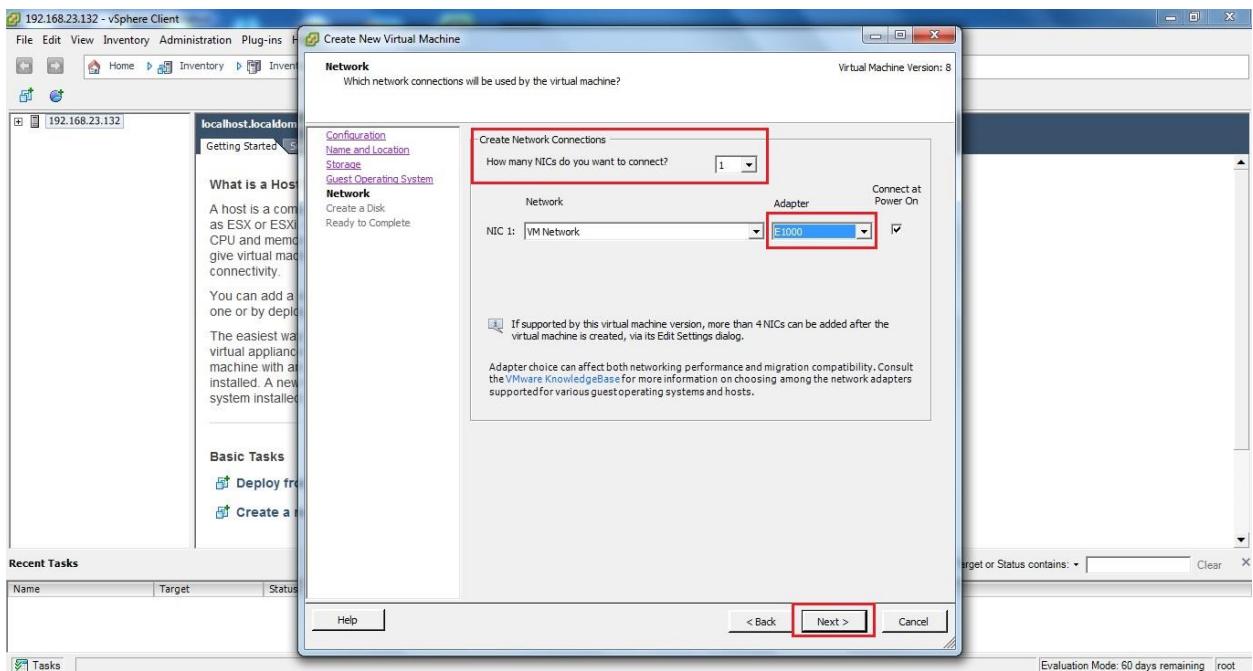
21. Click ‘Next’.



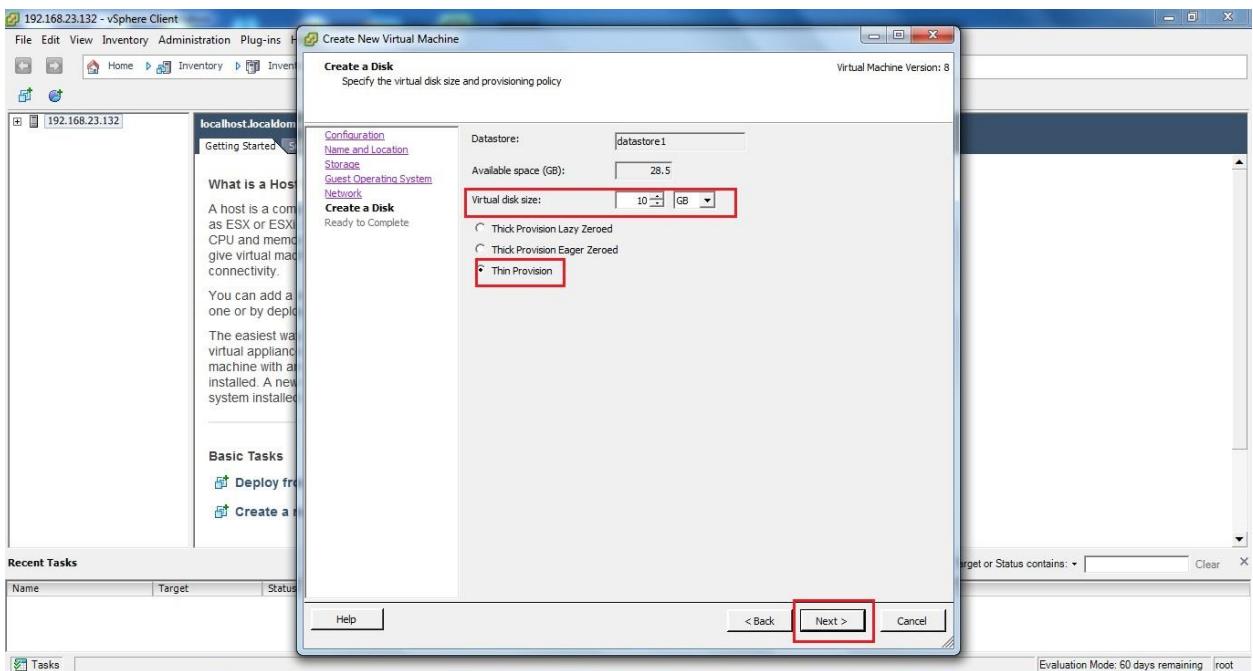
22. Select Guest operating system as ‘Linux’ and click ‘Next’.



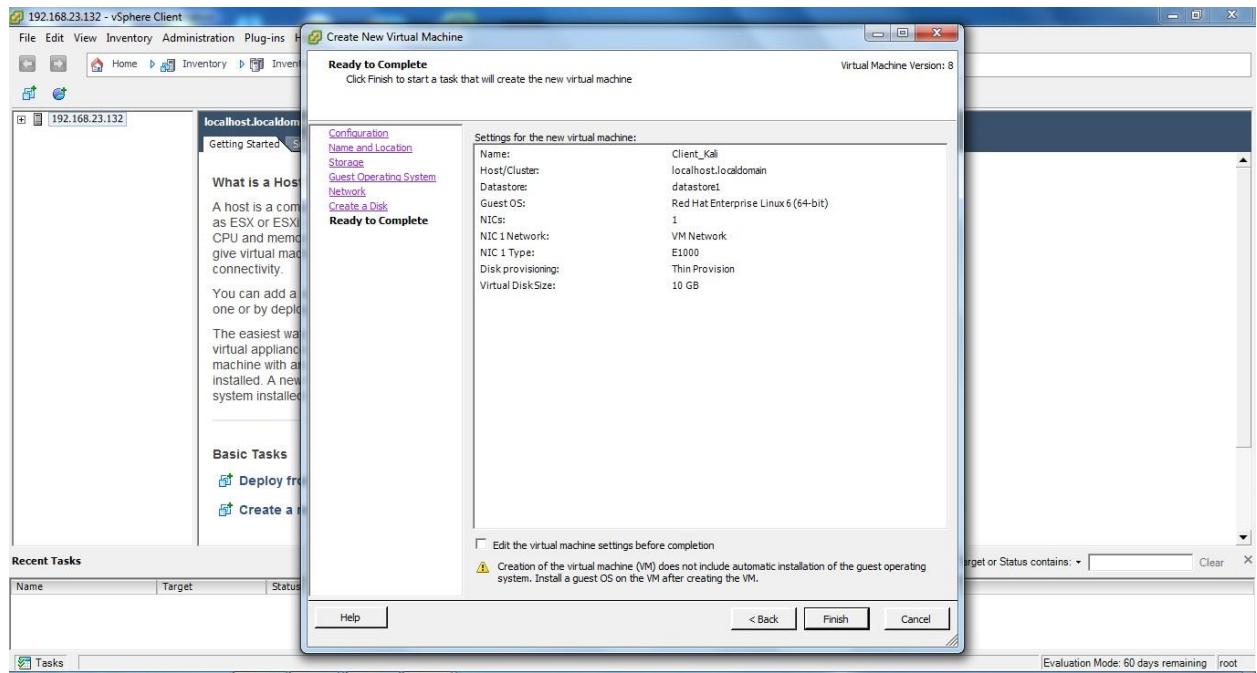
23. Give number of NIC's as '1' and adapter as 'E100' and click 'Next'.



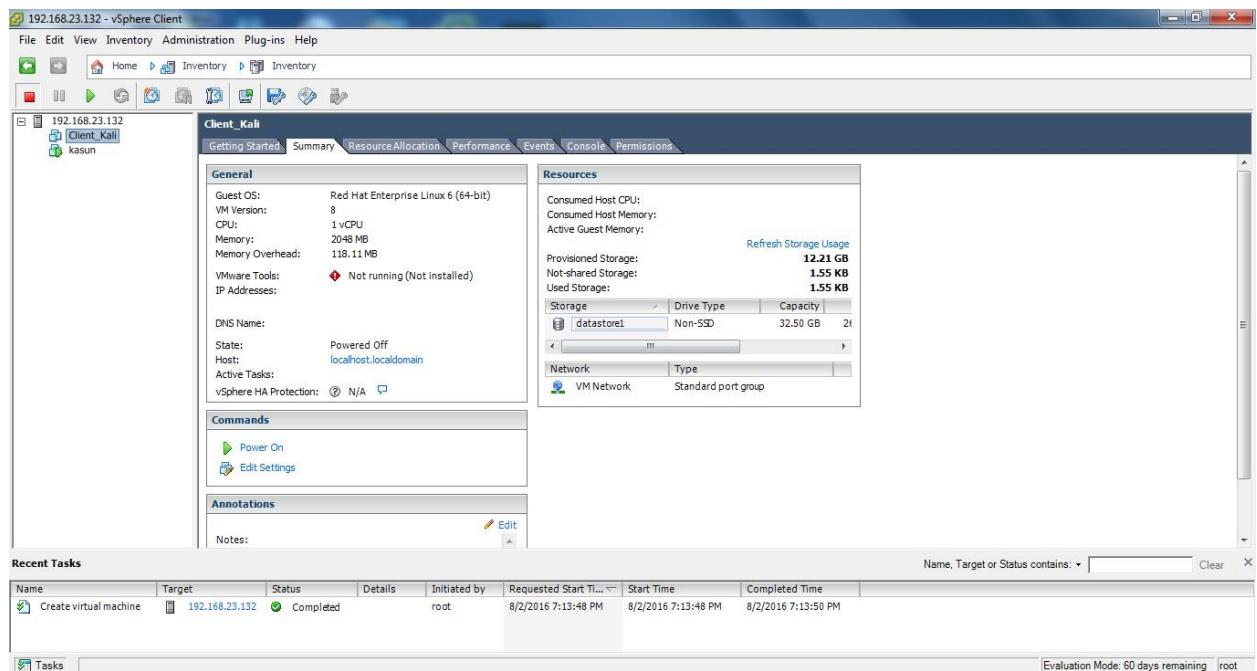
24. Give the virtual disk size as '10GB', select 'Thin provision' and click 'Next'.



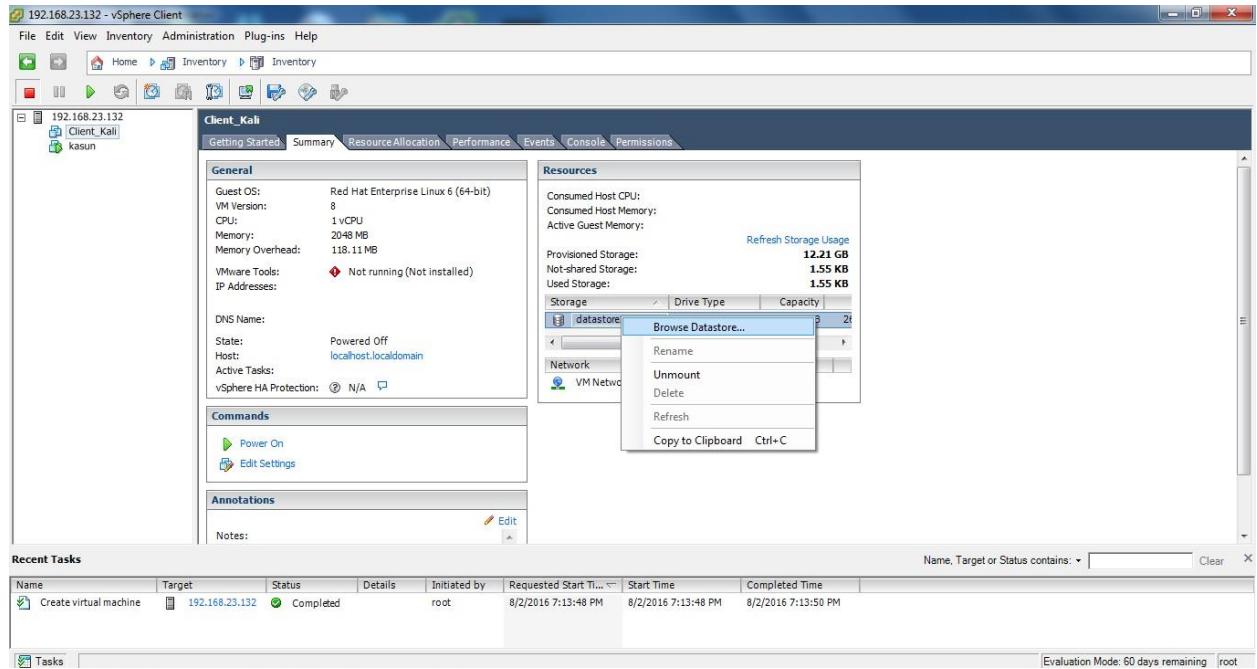
25. Click ‘Finish’ to end creating the client side virtual machine.



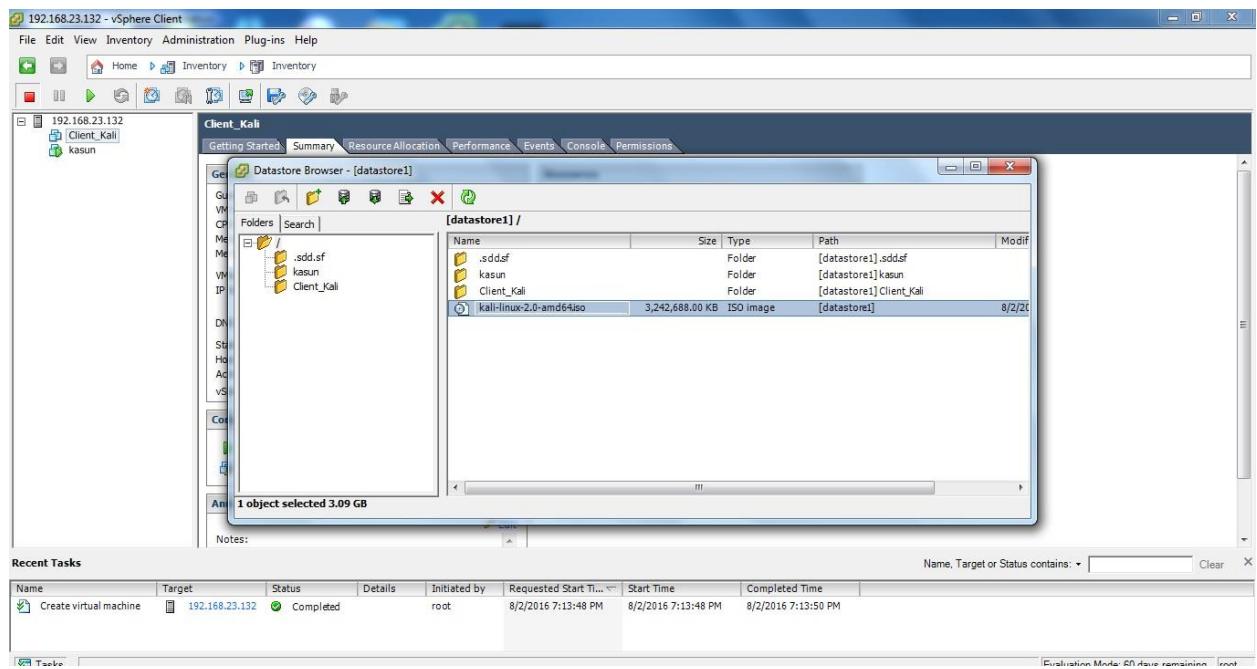
26. Select the ‘Summary’ from the tabs of the created client side virtual machine.



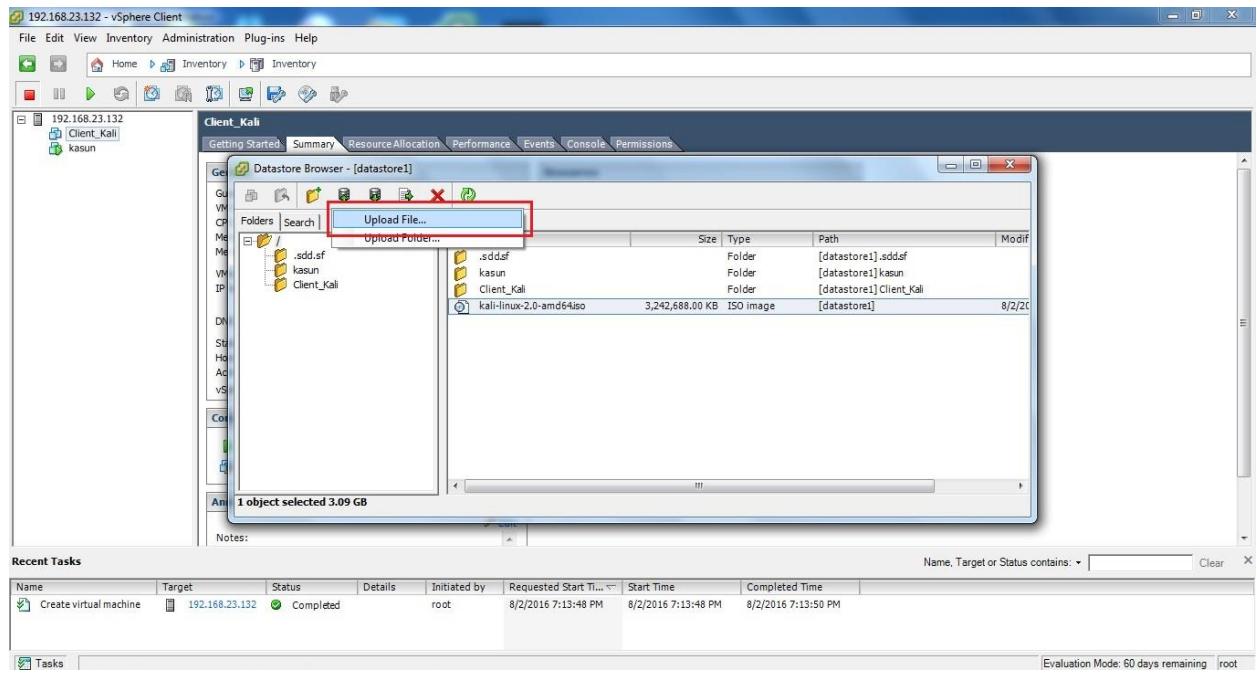
27. Right click Resources -> Storage -> datastore and browse a datastore.



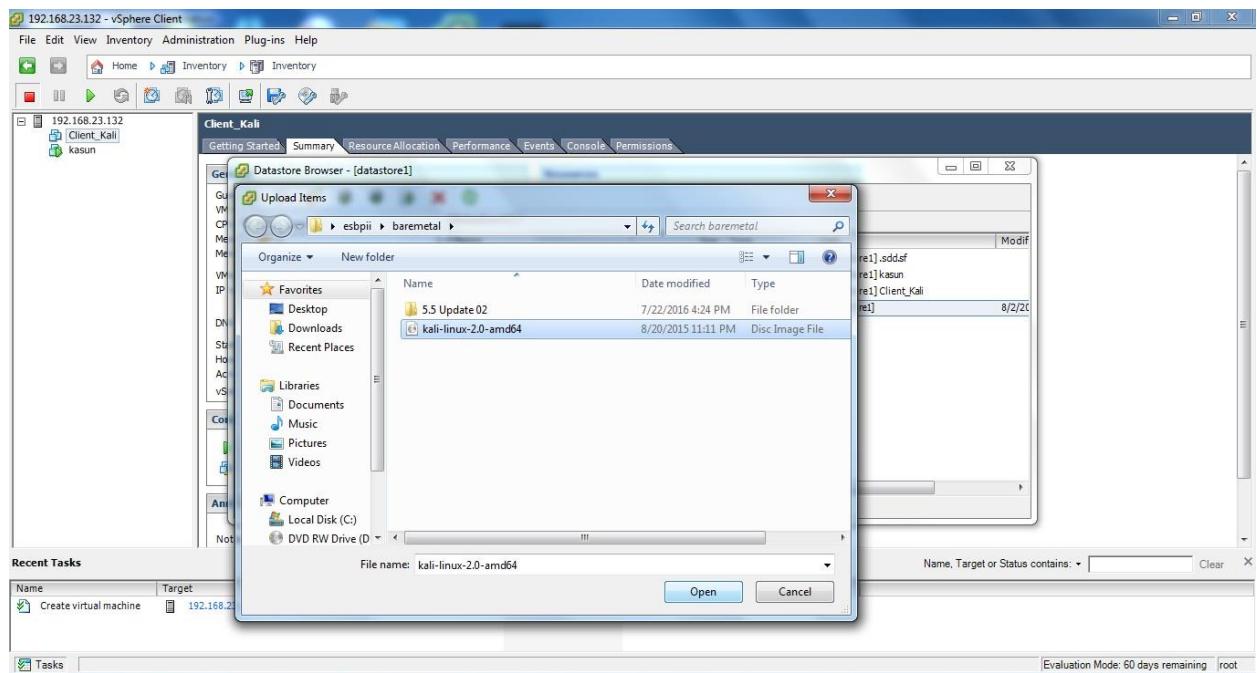
28. Select the Kali Linux ISO image.



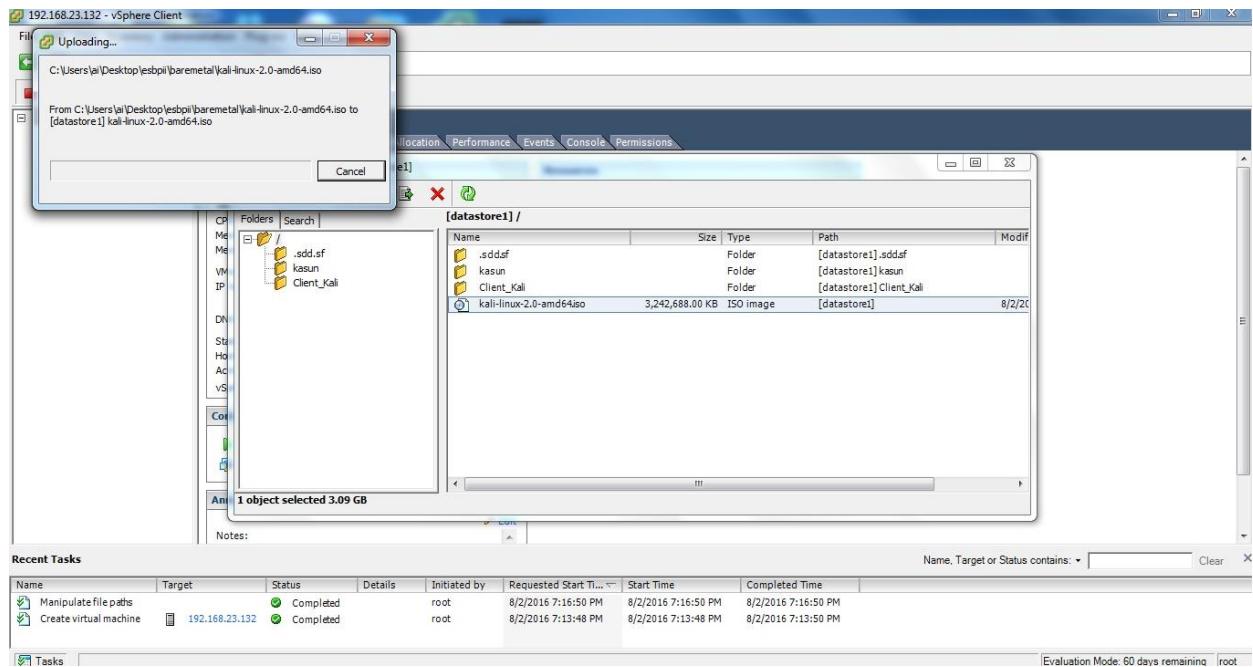
29. Then select ‘upload file’.



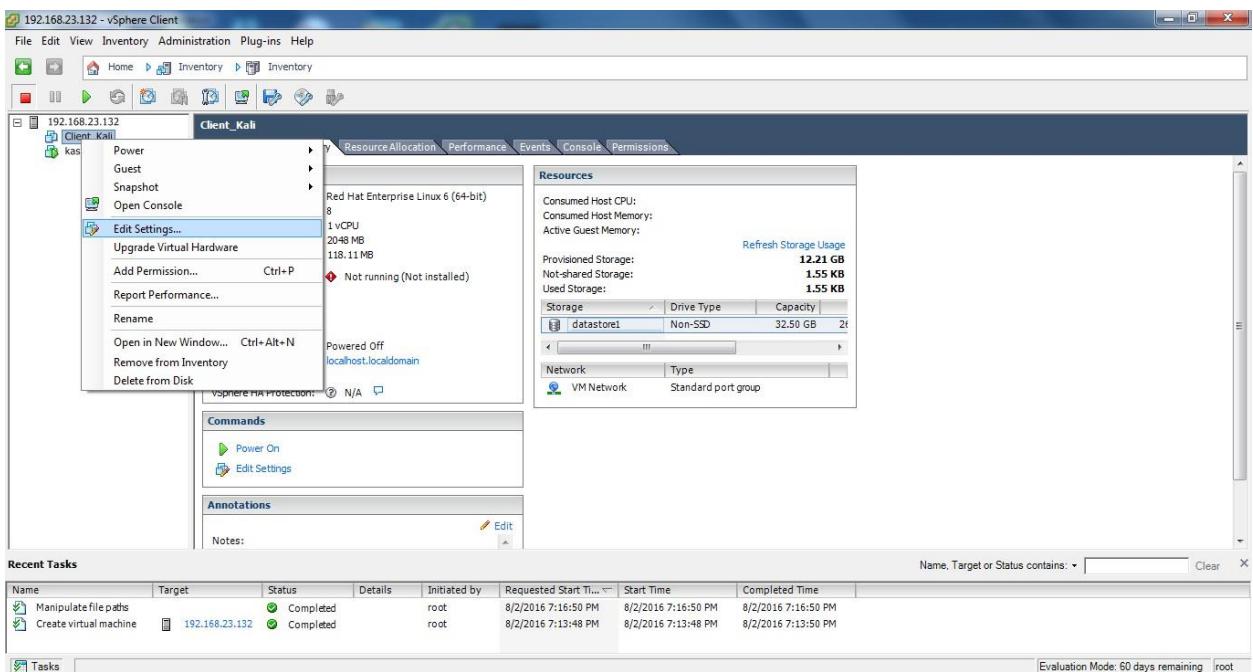
30. Select the ‘Kali Linux’.



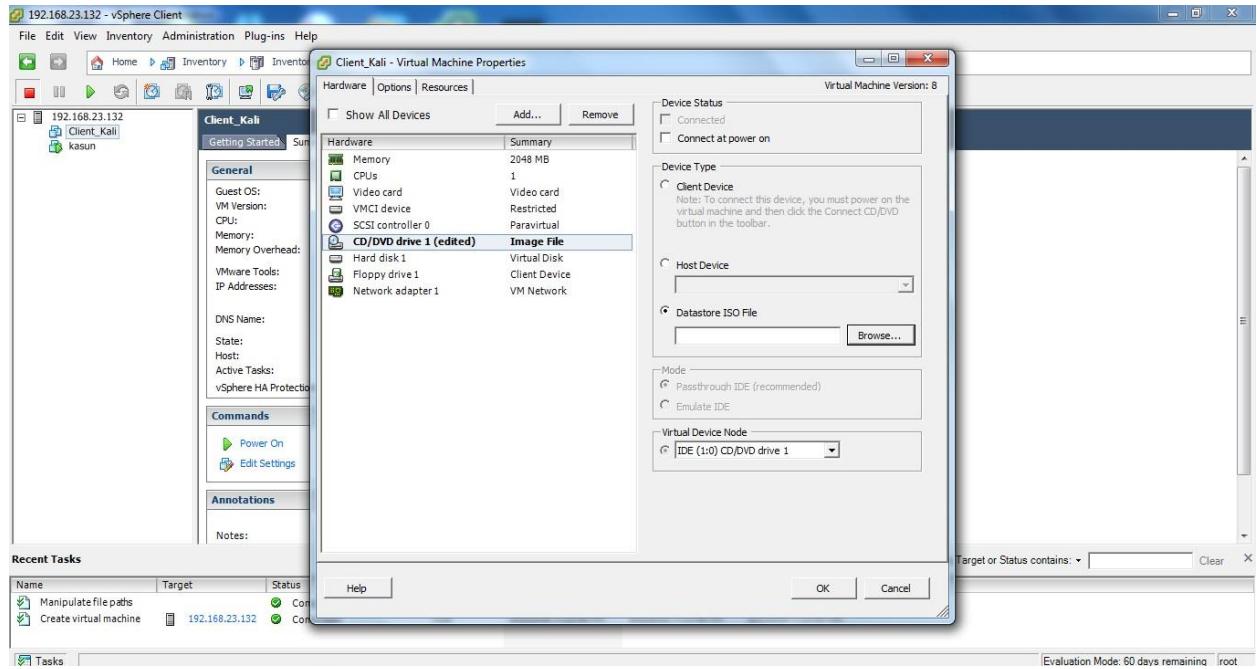
31. Uploading.....



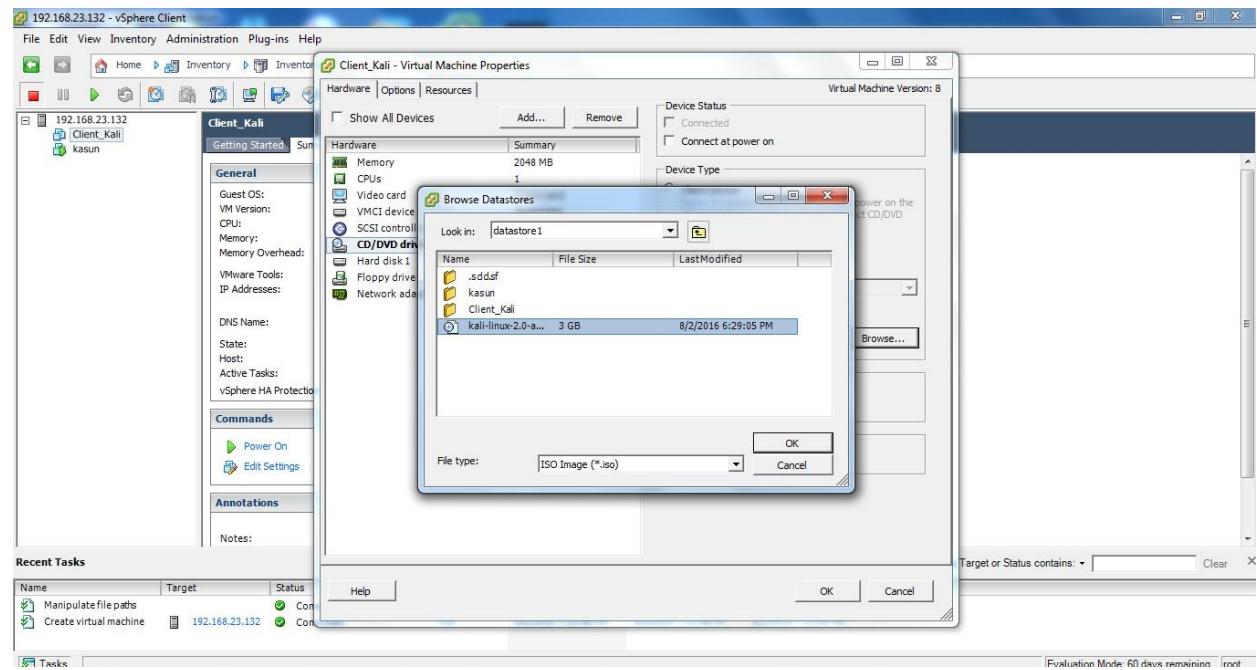
32. Right Click the client side server created and select 'Edit Settings'.



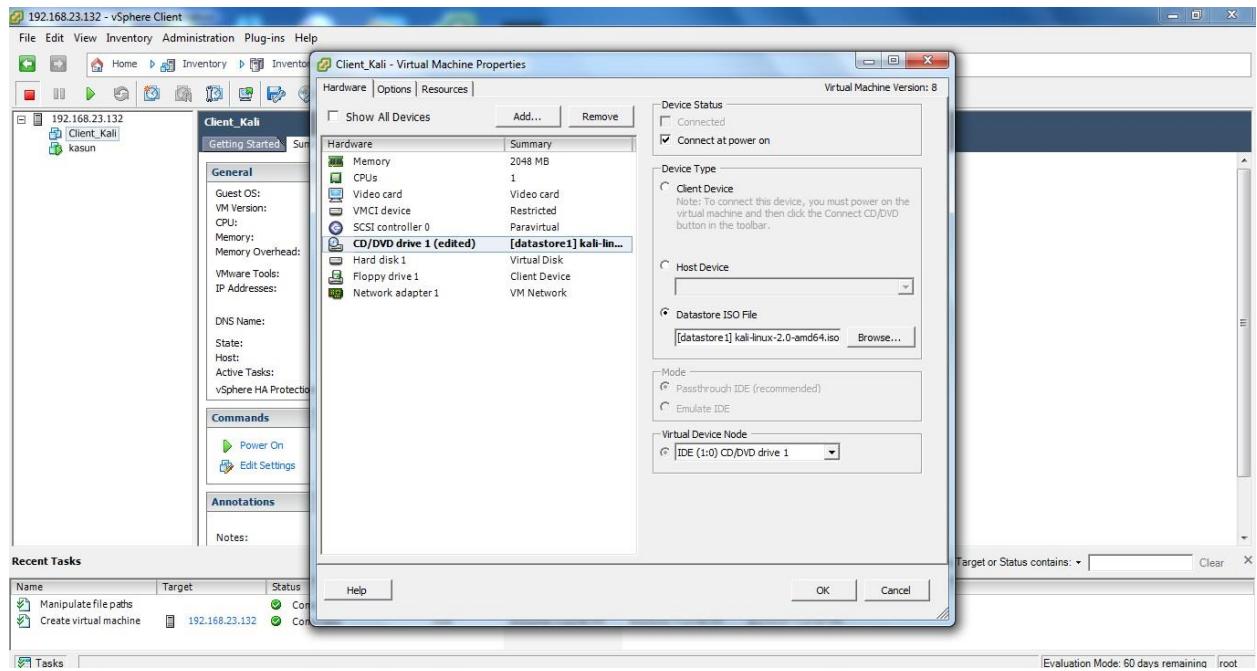
33. Select the Hardware ‘CD/DVD drive1’.



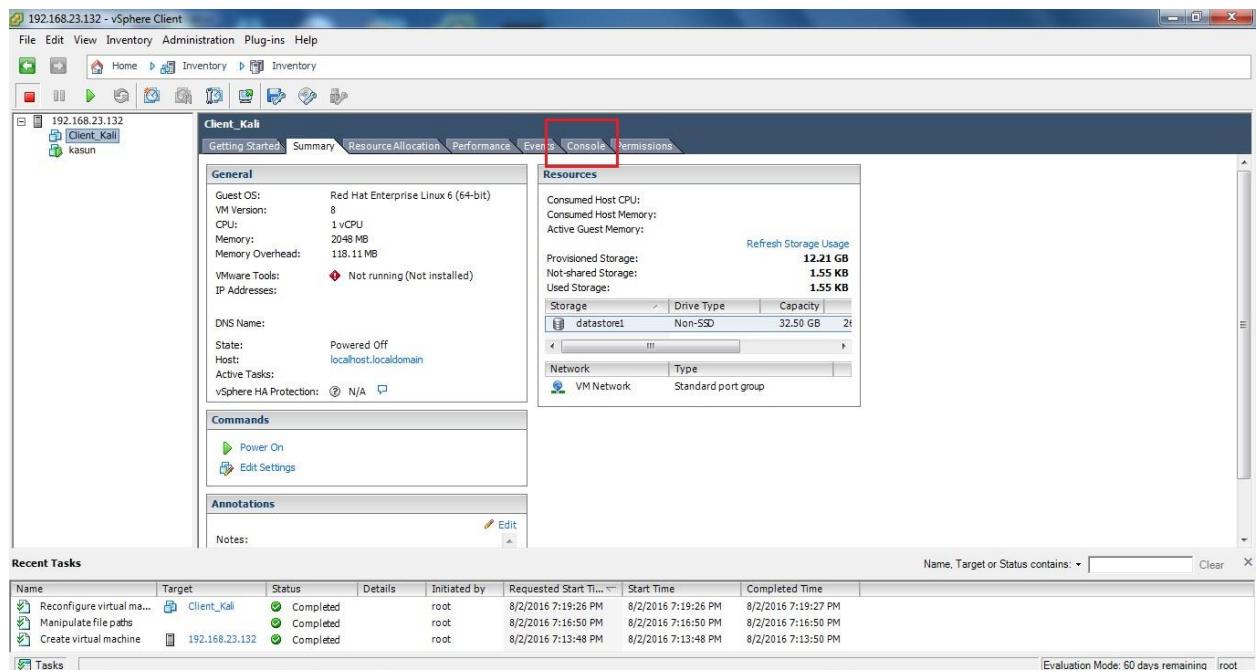
34. Browse the Datastore ISO File.



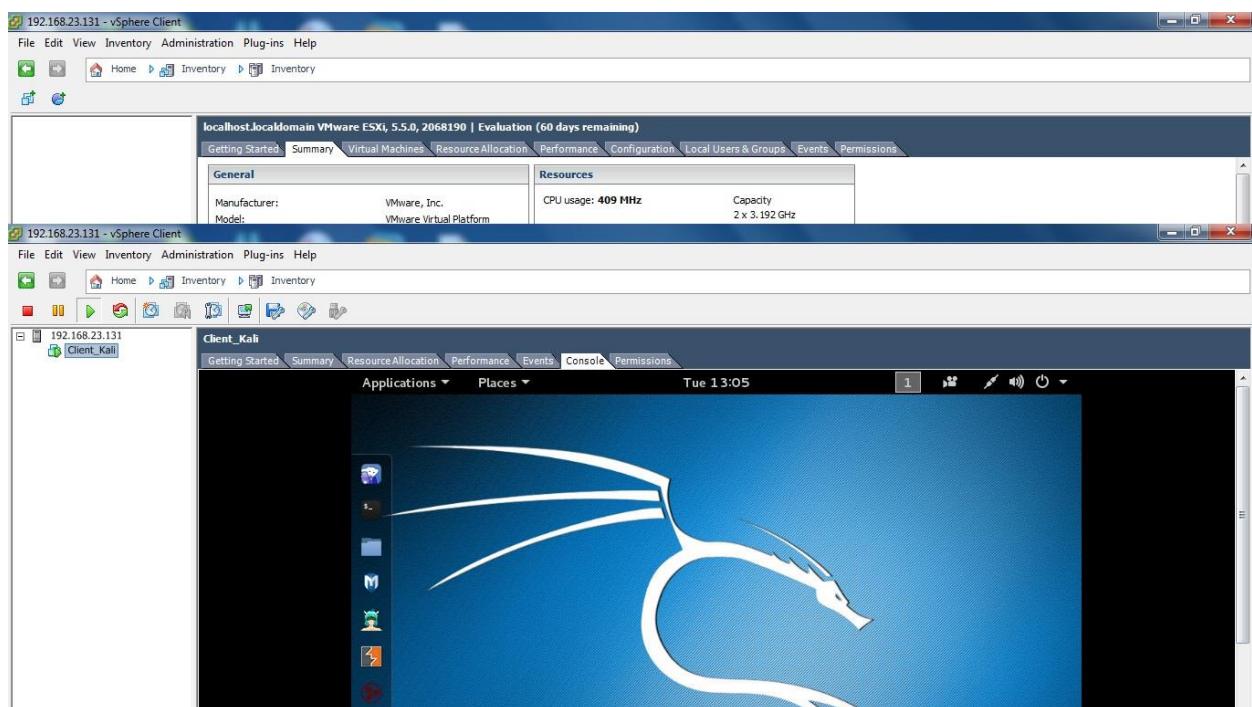
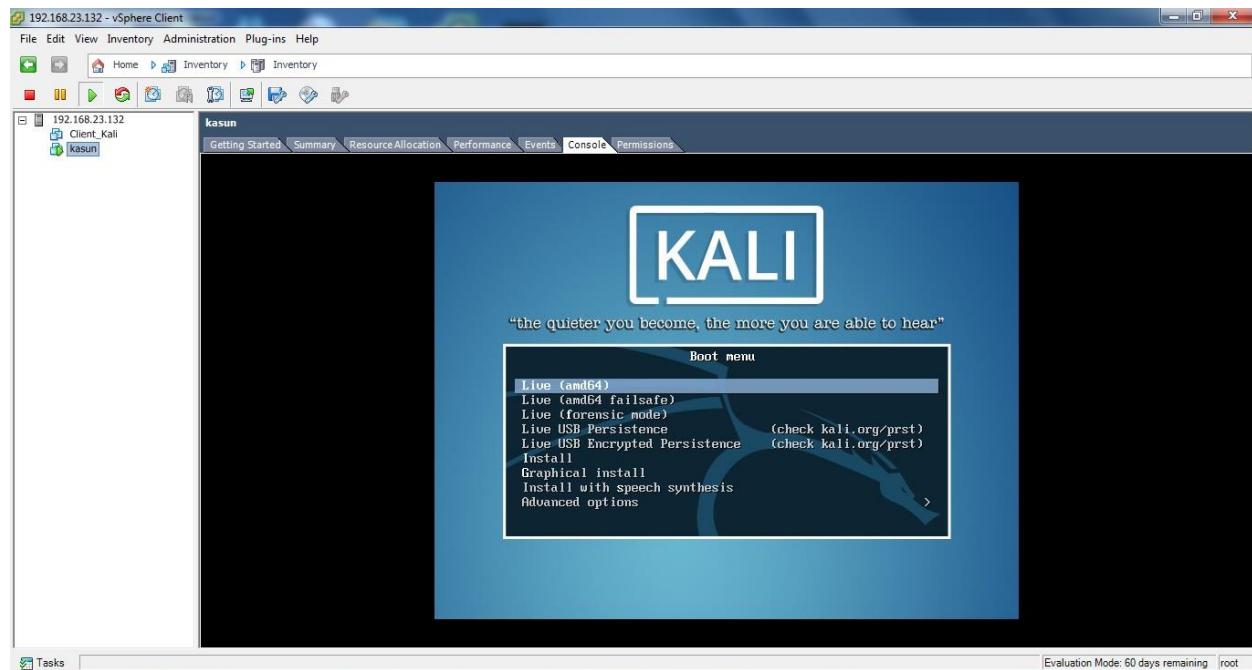
35. Select the Device Status ‘Connect at power on’ and click ‘OK’.



36. Click ‘Console’ in the tabs to get the OS.



37. Work with Kali



192.168.23.132 - vSphere Client

File Edit View Inventory Administration Plug-ins Help

Home > Inventory > Inventory

192.168.23.132

Client_Kali

kasun

Getting Started Summary Resource Allocation Performance Events Console Permissions

```
t pref]
[ 1.817364] pci 0000:00:18.5: PCI bridge to [bus 20]
[ 1.819201] pci 0000:00:18.5:    bridge window [mem 0xfhd80000-0xfbfffff]
[ 1.028613] pci 0000:00:18.5:    bridge window [mem 0xea300000-0xea3fffff] 64bit
t pref]
[ 1.022305] pci 0000:00:18.6: PCI bridge to [bus 21]
[ 1.023506] pci 0000:00:18.6:    bridge window [mem 0xfb900000-0xfb9fffff]
[ 1.825263] pci 0000:00:18.6:    bridge window [mem 0xe9f00000-0xe9fffff] 64bit
t pref]
[ 1.027353] pci 0000:00:18.7: PCI bridge to [bus 22]
[ 1.028427] pci 0000:00:18.7:    bridge window [mem 0xfb500000-0xfb5fffff]
[ 1.829696] pci 0000:00:18.7:    bridge window [mem 0xe9b00000-0xe9bfffff] 64bit
t pref]
[ 1.032364] NET: Registered protocol family 2
[ 1.033691] TCP established hash table entries: 16384 (order: 5, 131072 bytes)
)
[ 1.035505] TCP bind hash table entries: 16384 (order: 6, 262144 bytes)
[ 1.036674] TCP: Hash tables configured (established 16384 bind 16384)
[ 1.038628] TCP: reno registered
[ 1.039561] UDP hash table entries: 1024 (order: 3, 32768 bytes)
[ 1.040618] UDP-Lite hash table entries: 1024 (order: 3, 32768 bytes)
[ 1.041851] NET: Registered protocol family 1
[ 1.042044] pci 0000:00:00.0: Limiting direct PCI/PCI transfers
[ 1.045647] Unpacking initramfs...
```