

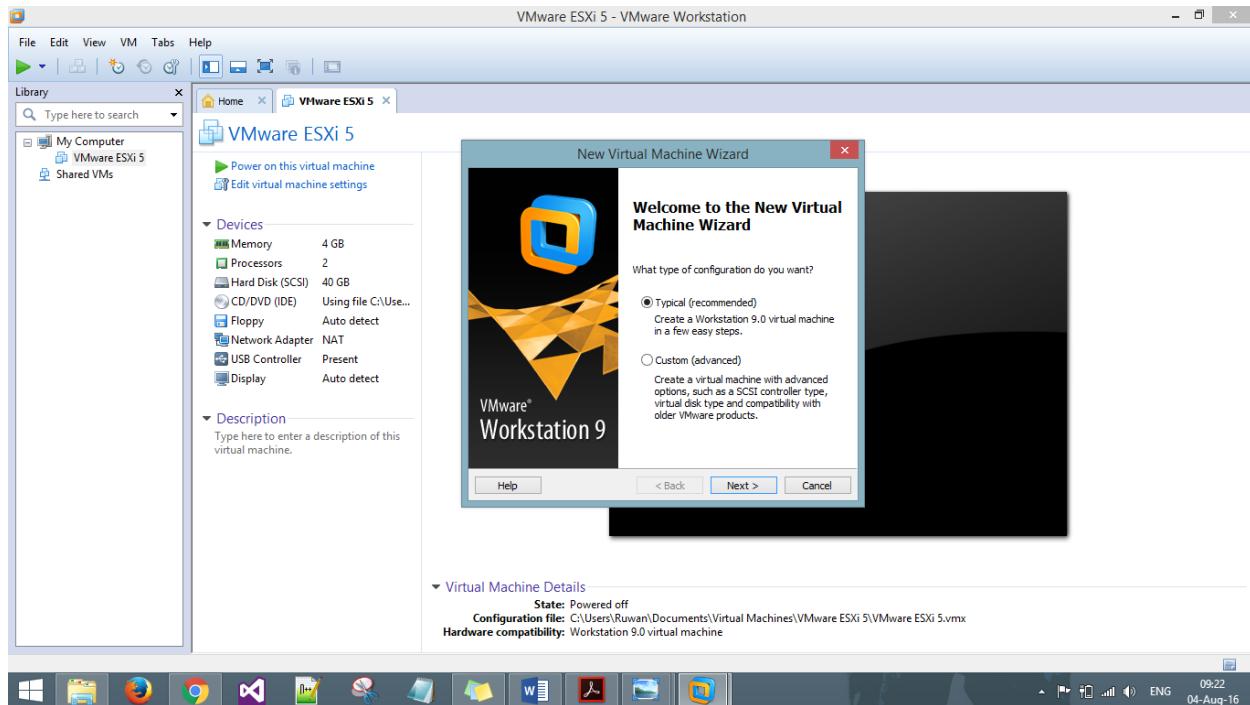
Enterprise Standards and Best Practices for IT Infrastructure

Lab Report – Baremetal Virtual machine Installation

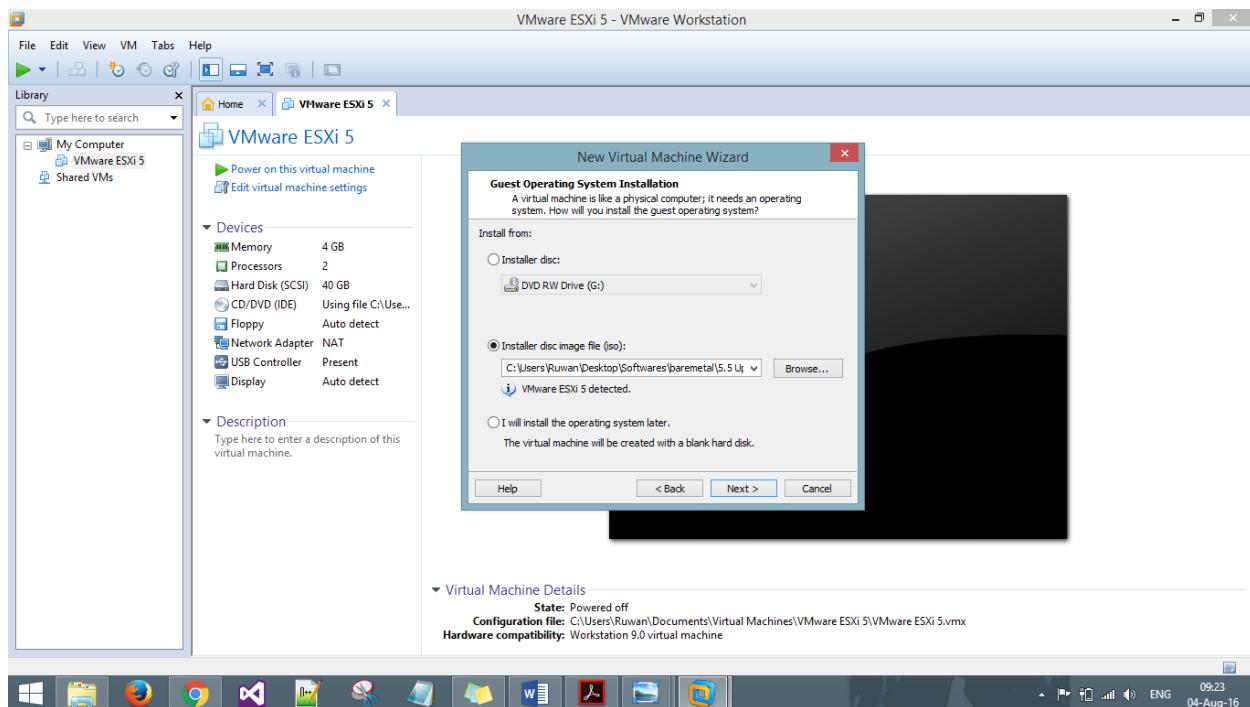
Hettiarachchi R.L. – IT13029500

Sri Lanka Institute of Information Technology
B.Sc. Special (Honors) Degree in Information Technology
Specialized in Information Technology

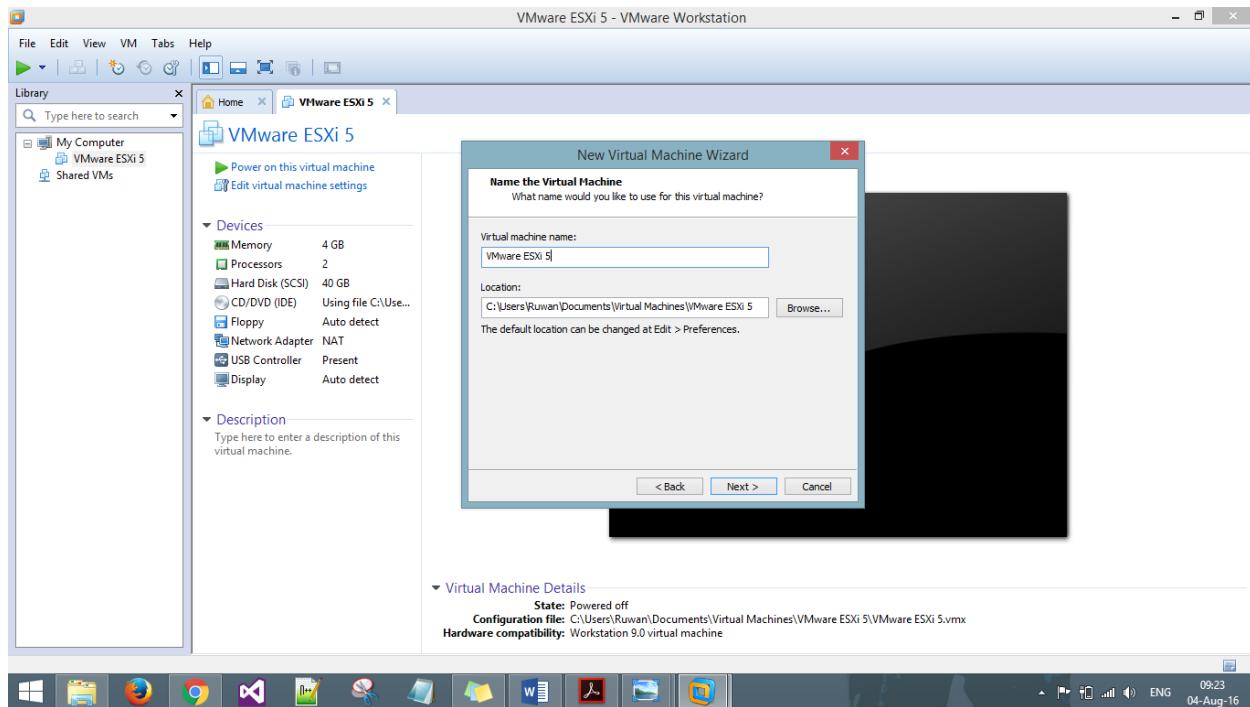
- Step 01: Install VMware Workstation to get started with installing ESXi 5. Then go to ‘Create a New Virtual Machine’. Then select ‘Typical’ and select ‘Next’.



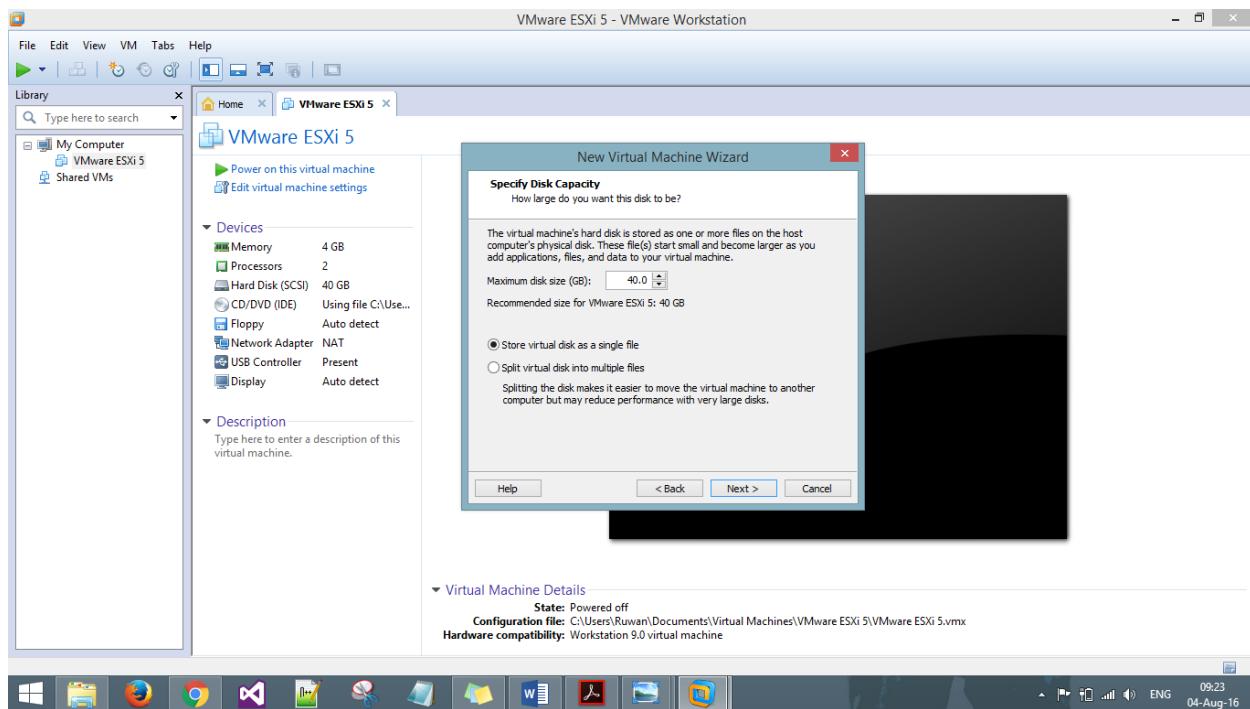
- Step 02: Select ‘Installer disc image file’ and browse the ESXi 5 .iso file.



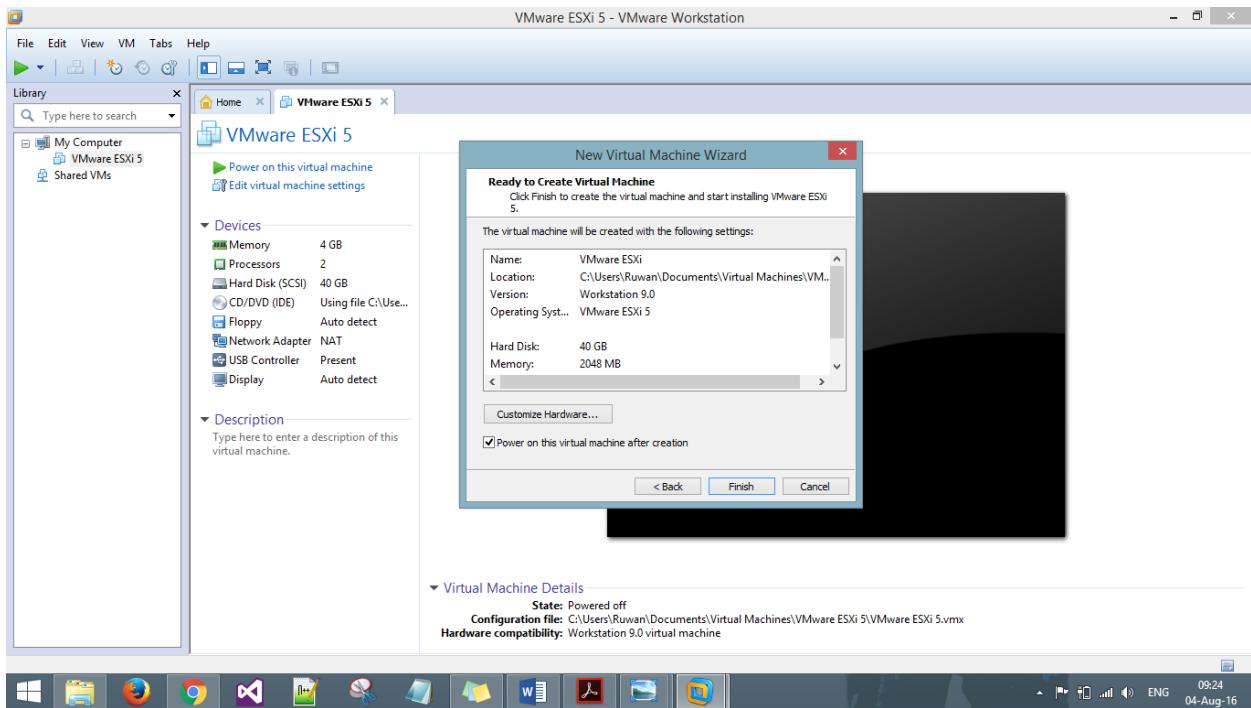
- Step 03: Provide a name for the Virtual machine.



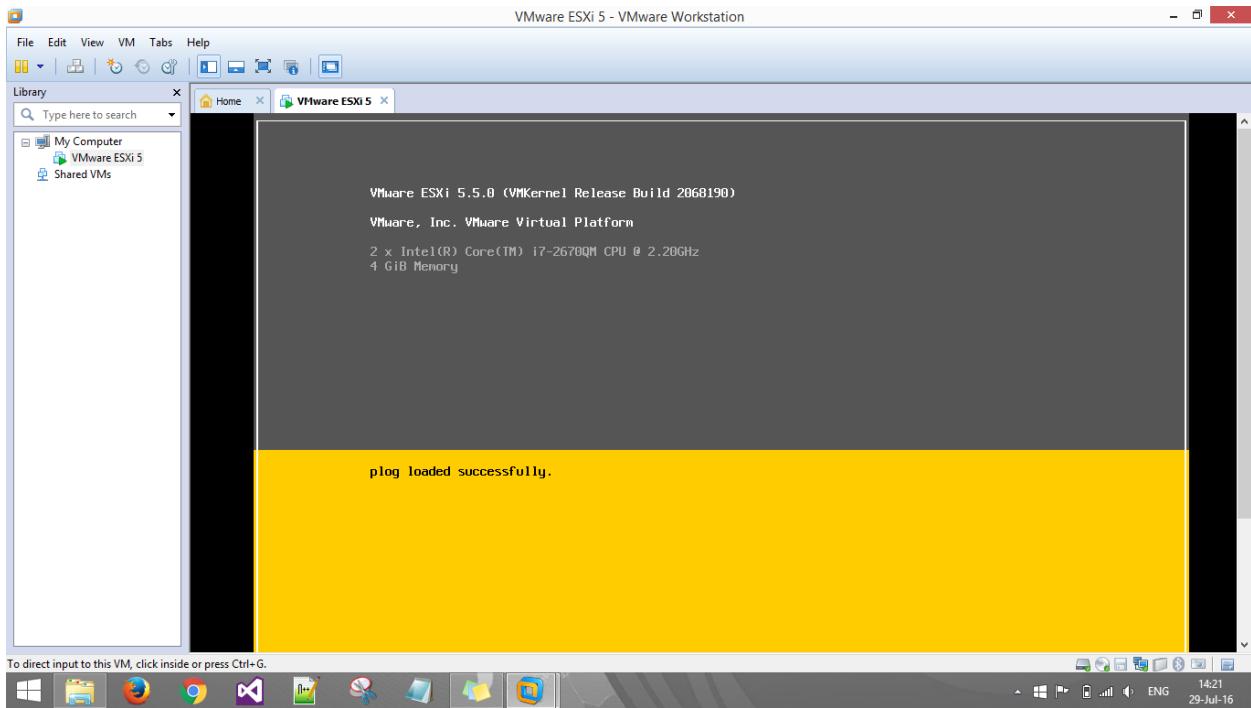
- Step 04: Keep the recommended size (40 GB) of the disk and select ‘Store virtual disk as a single file’.

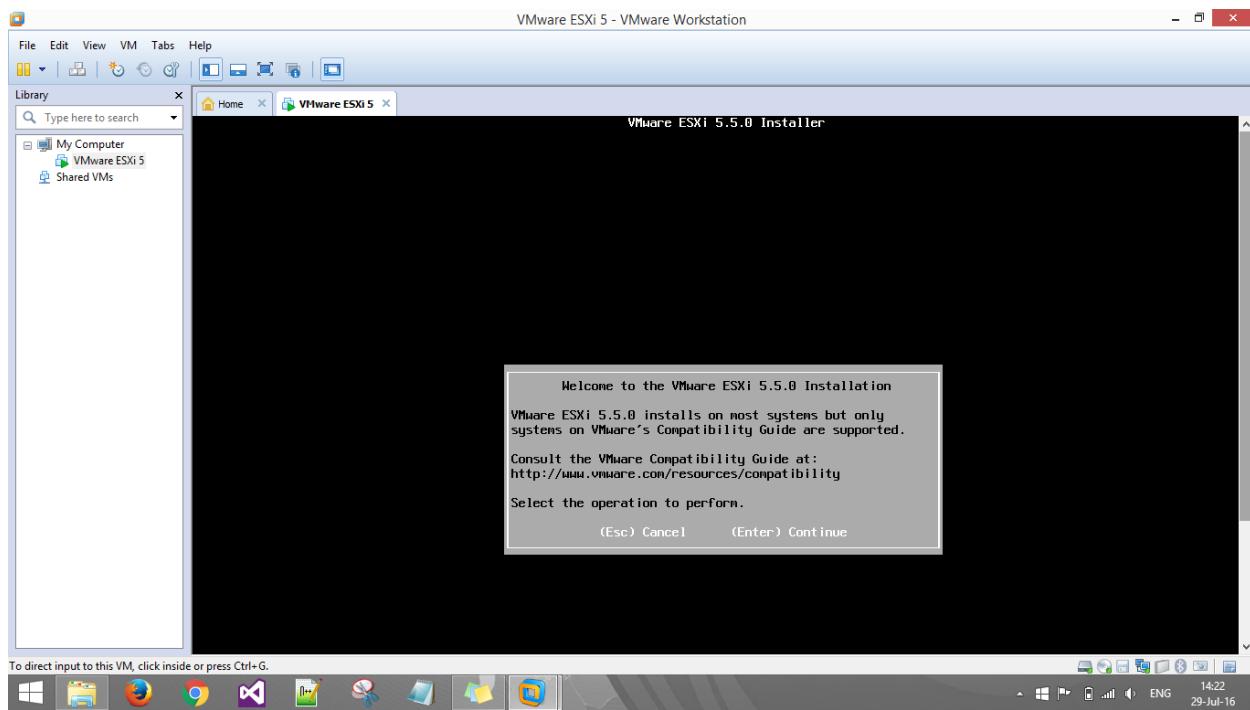


- Step 05: Select ‘Power on this virtual machine after creation’ and click ‘Finish’.

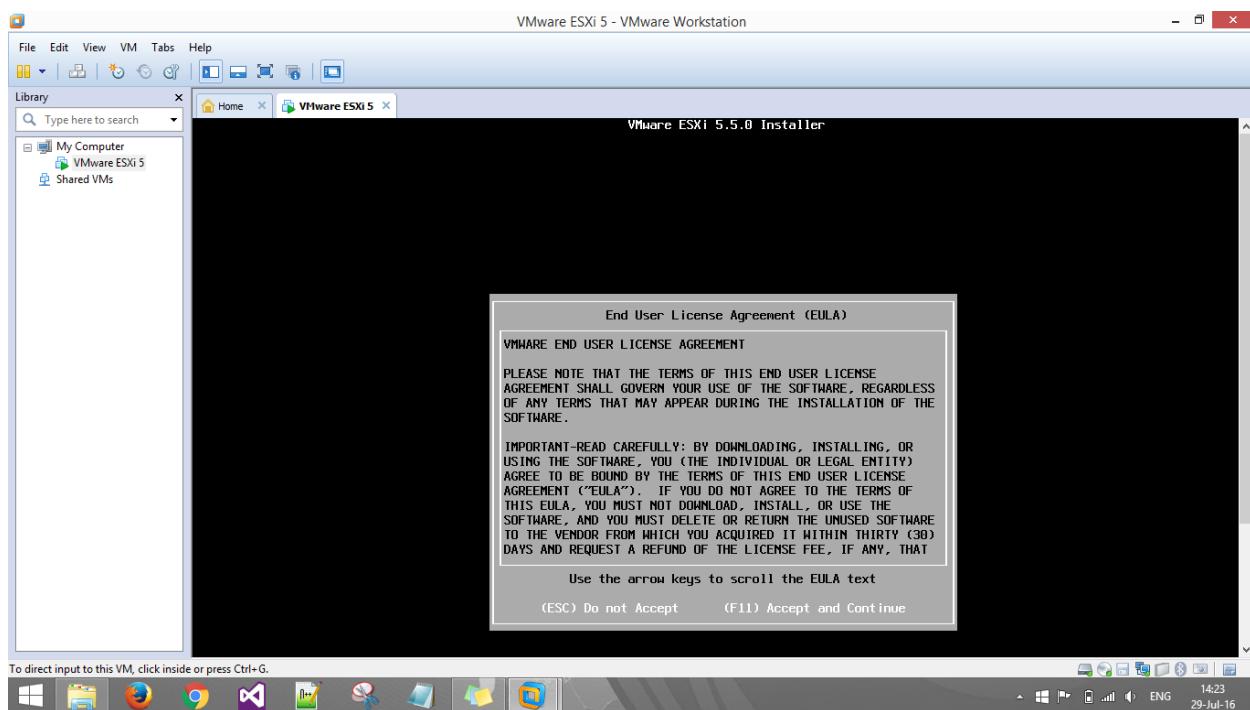


- Step 06: Installation process will start.

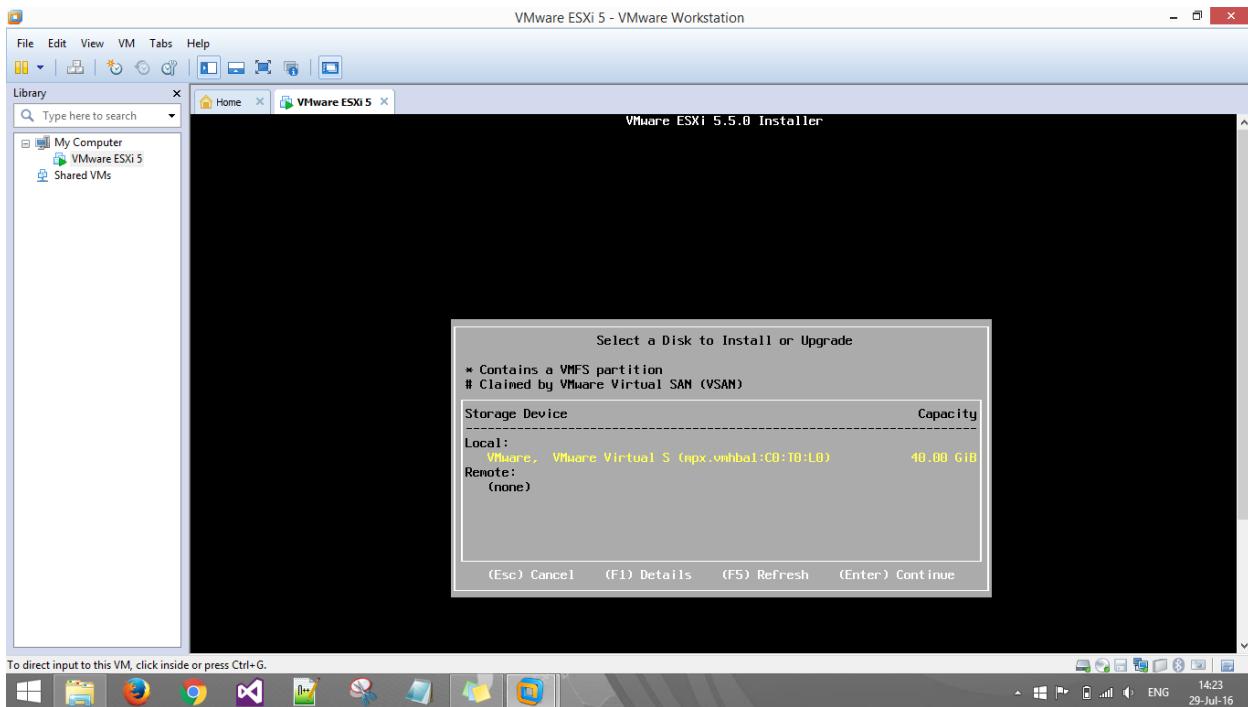




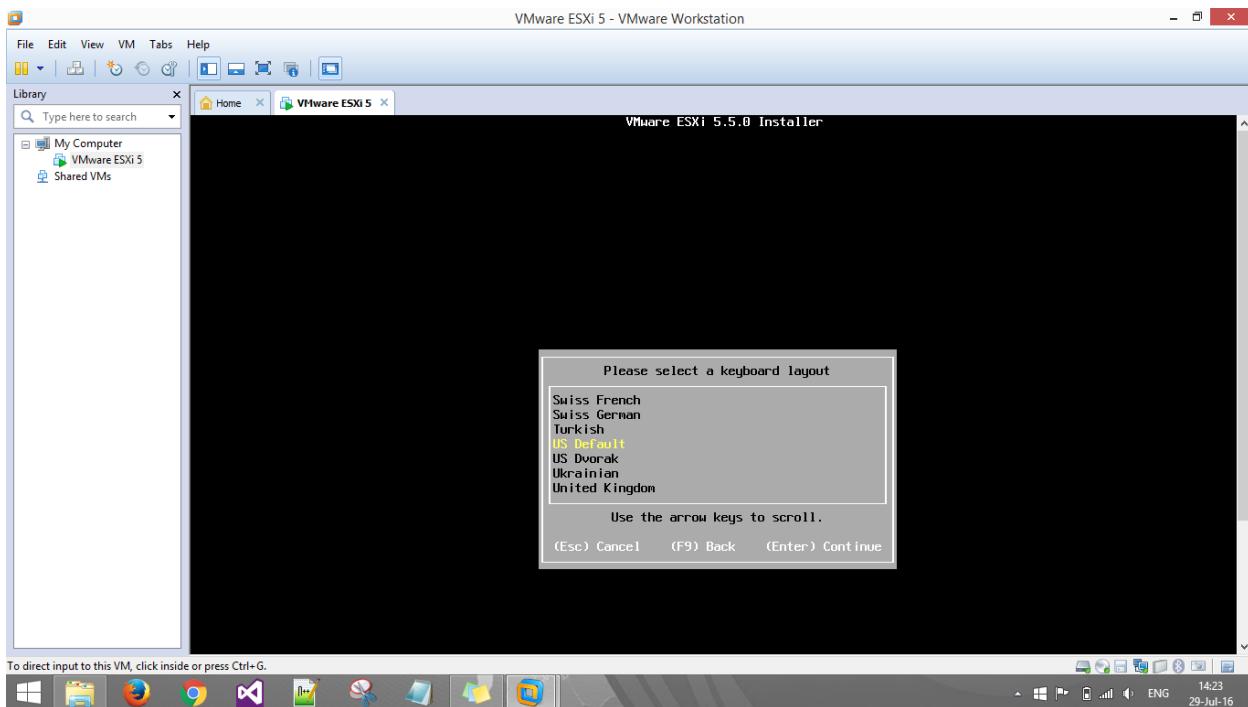
- Step 07: Press 'F11' accept the User License Agreement.



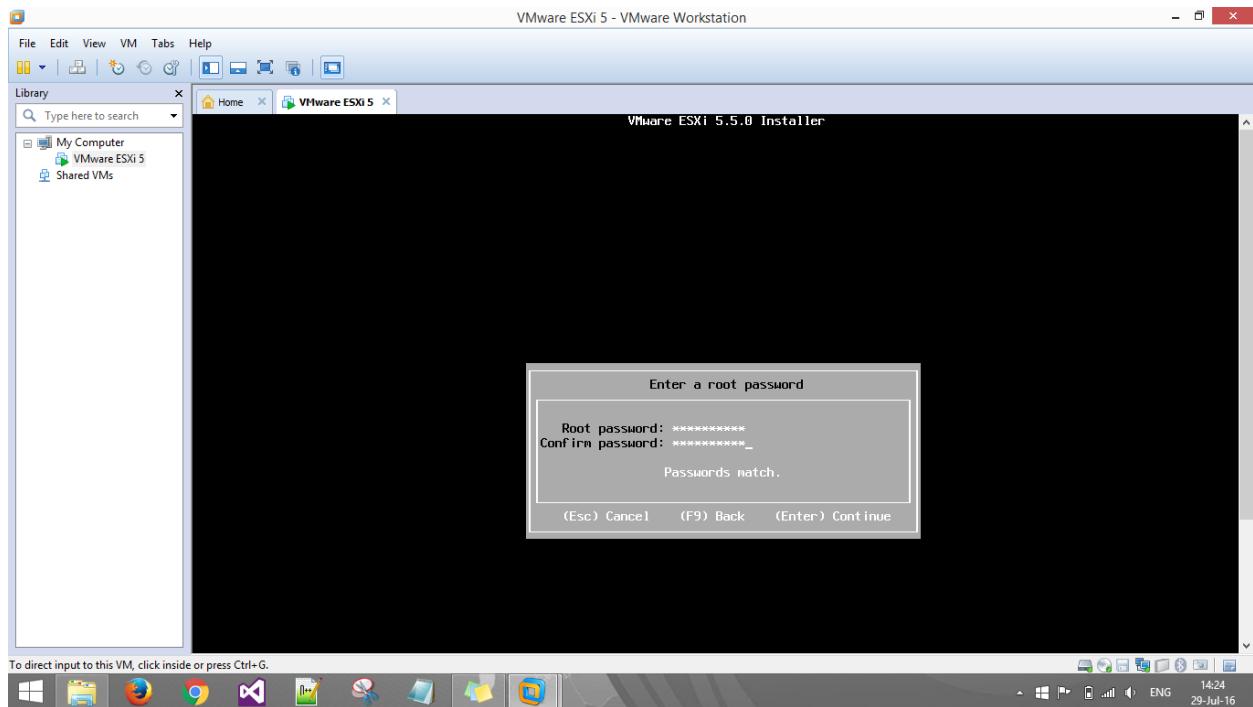
- Step 08: Press ‘Enter’ to continue.



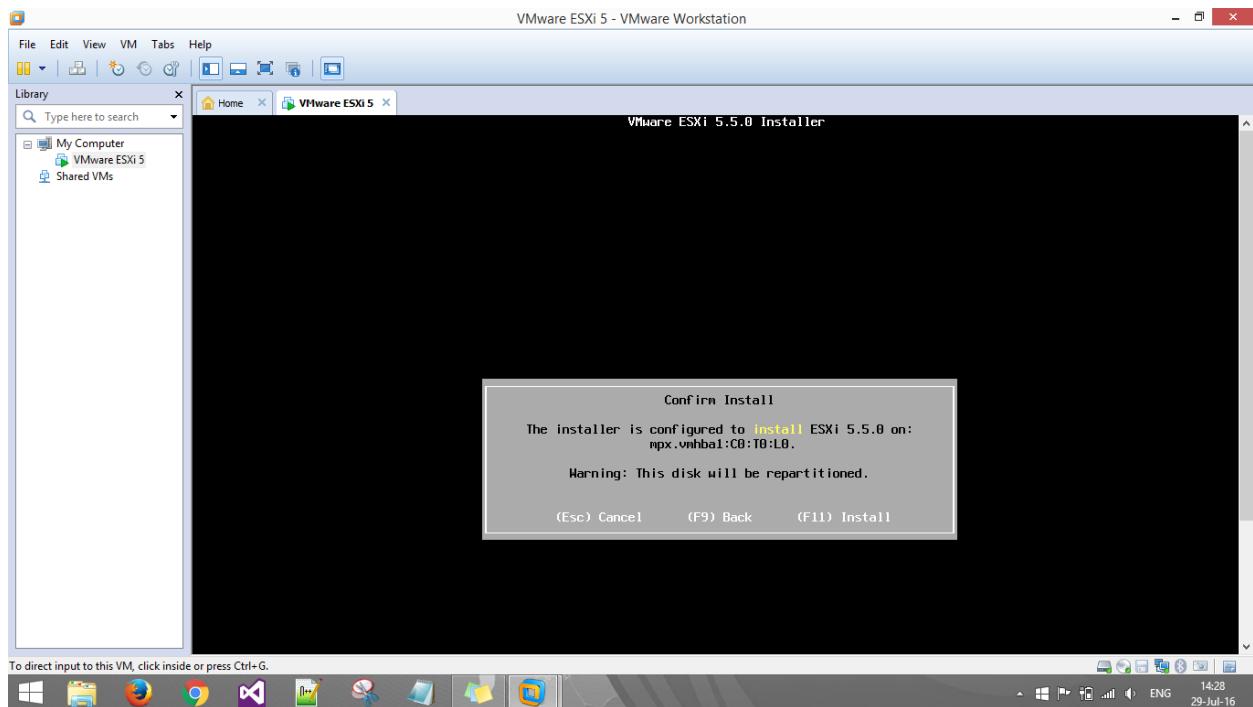
- Step 09: Select ‘US Default’ and press Enter.

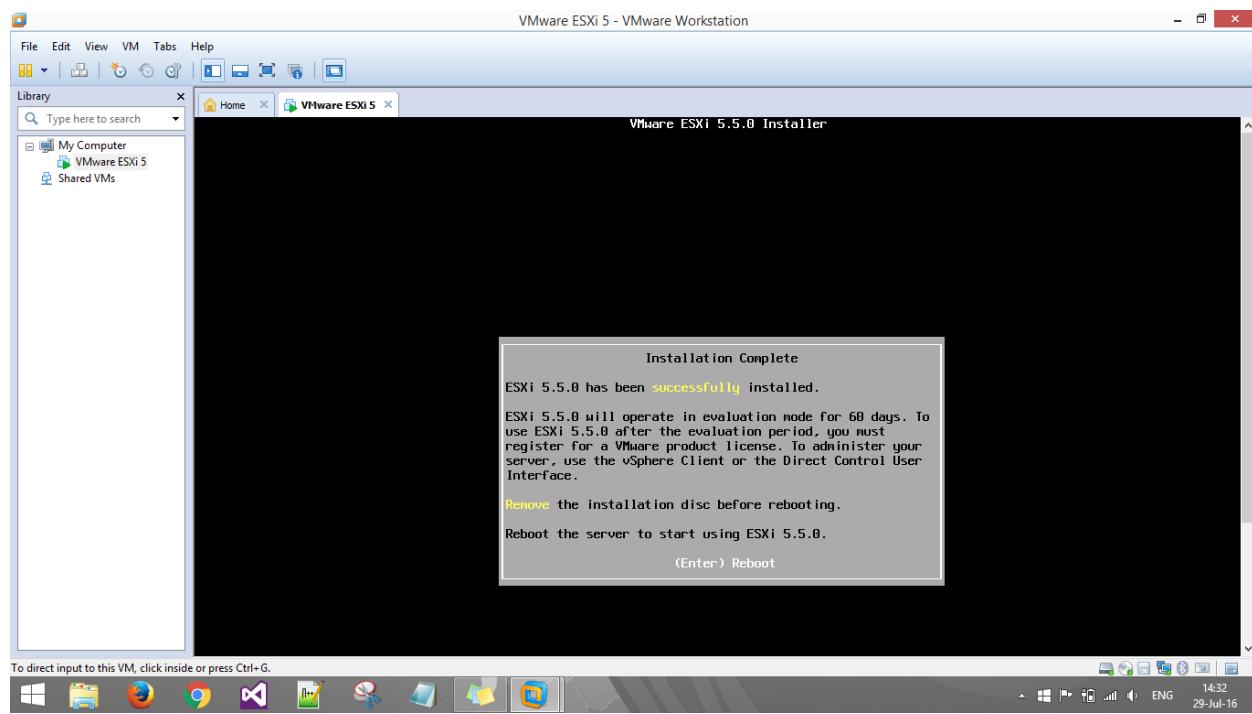
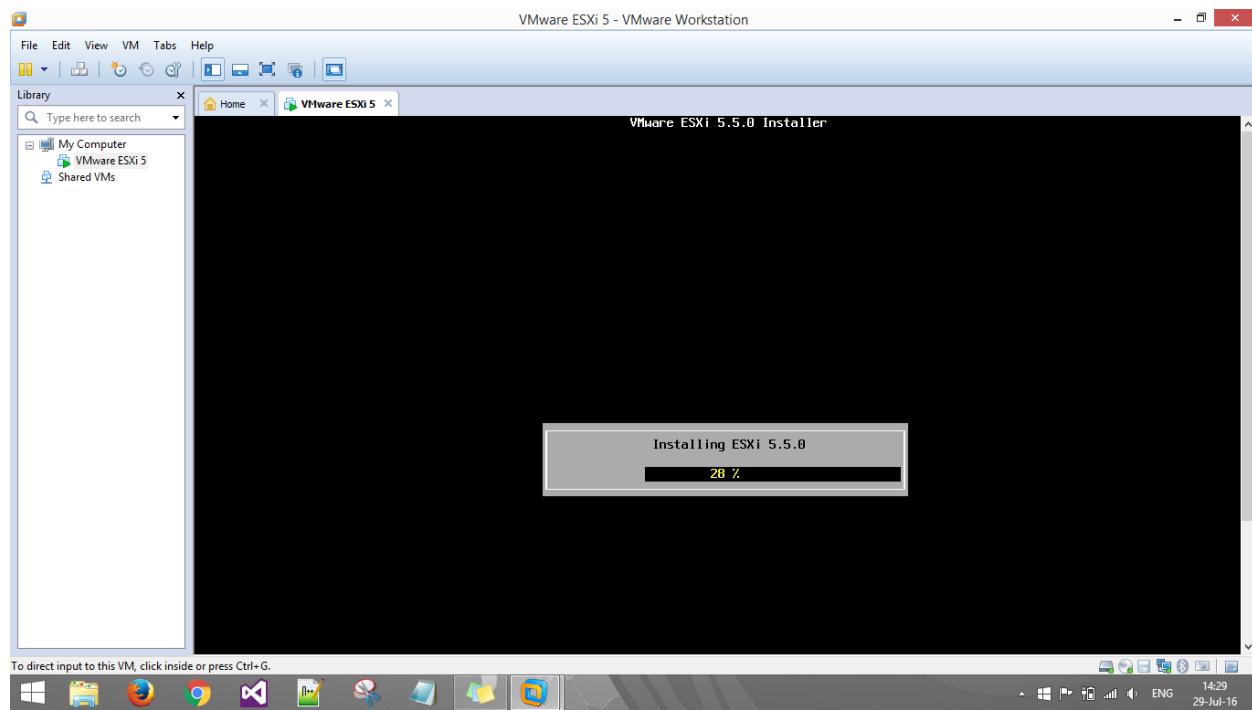


- Step 10: Provide a password and press Enter.

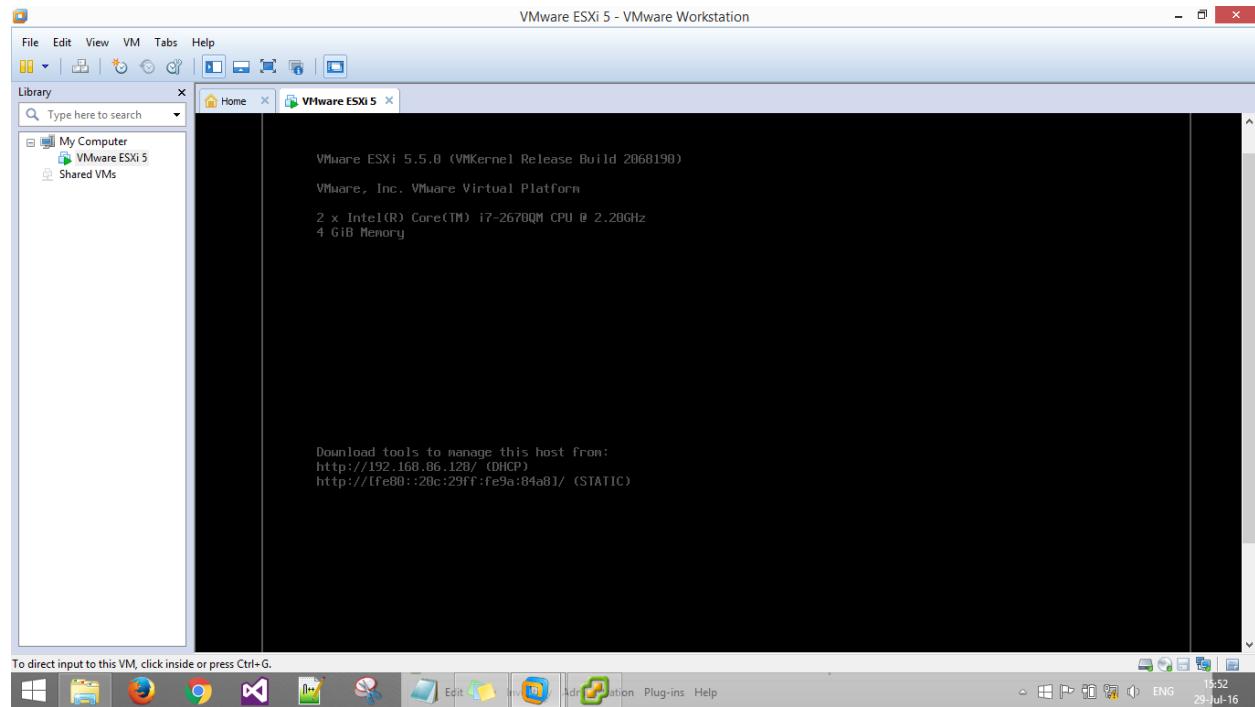


- Step 11: Press 'F11' to install and it will start the installation process.



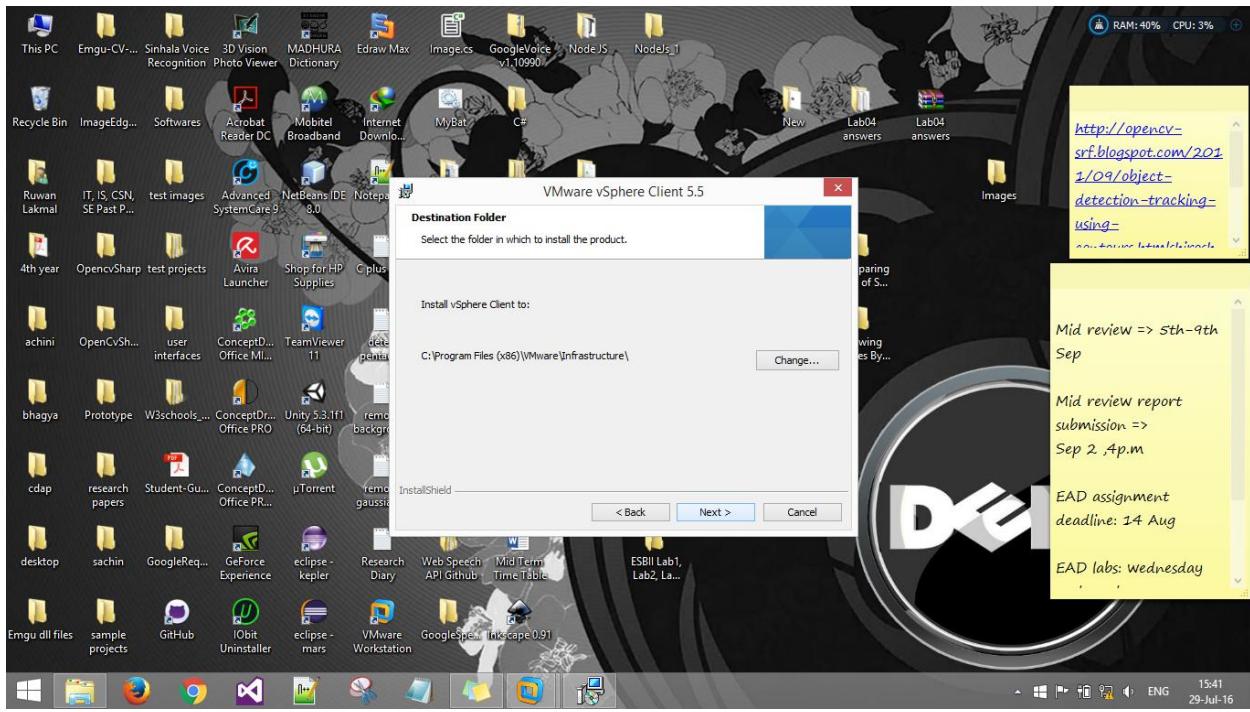
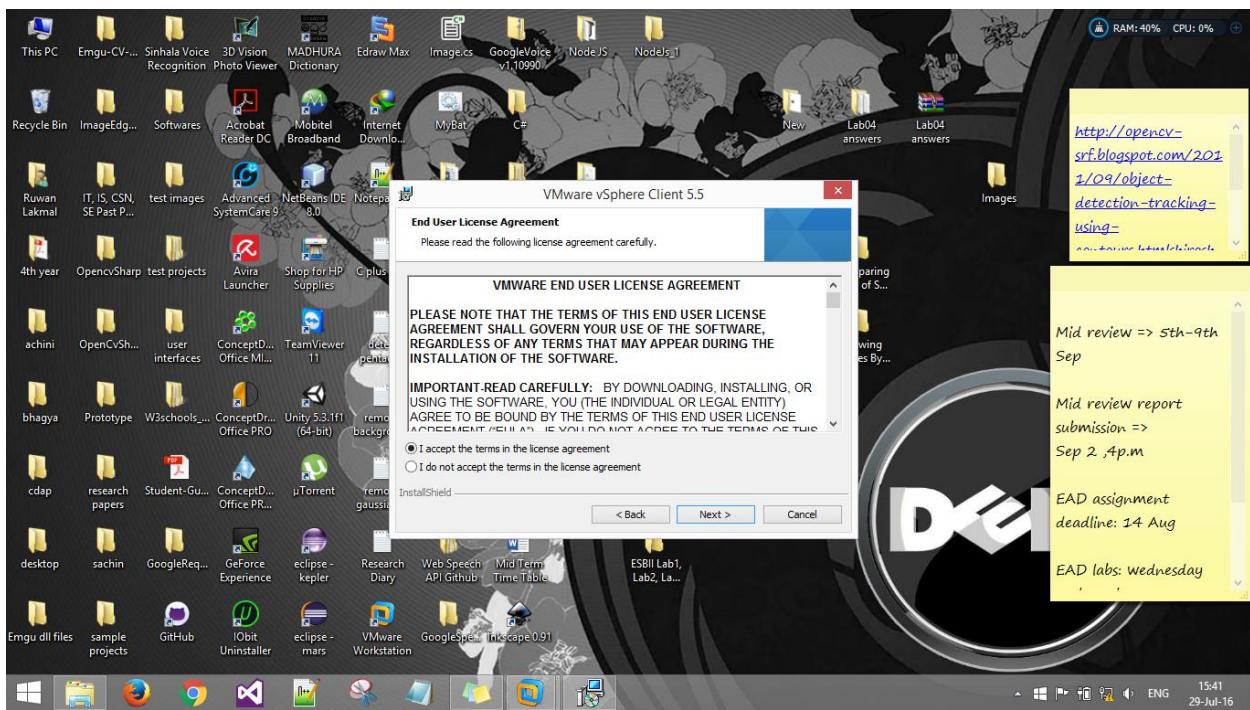


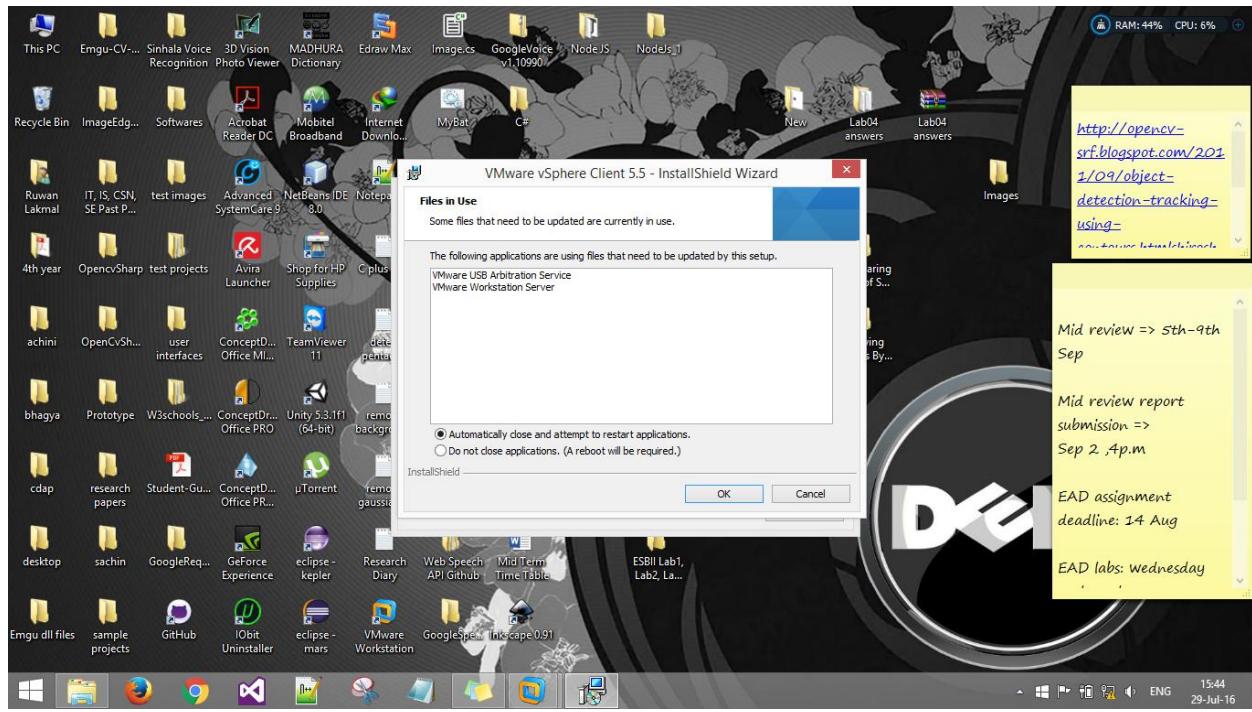
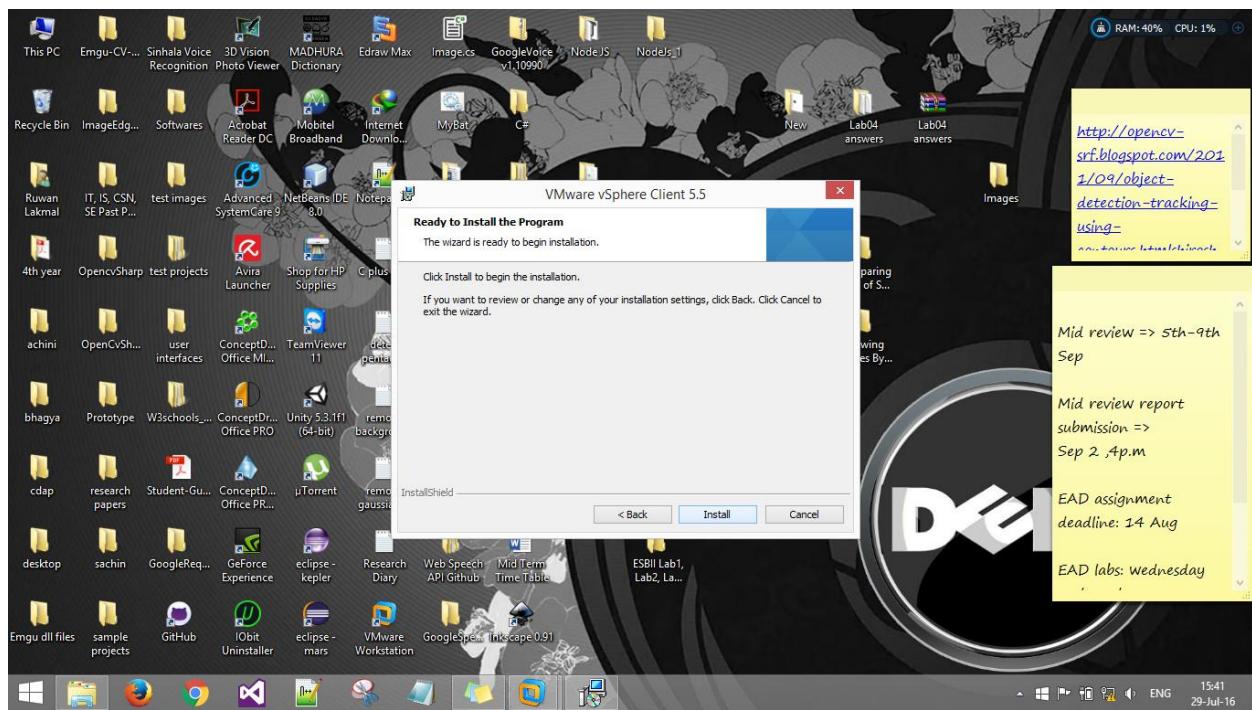
- Step 12: After the completion of installation process then copy the ip address which displays in the window (192.168.86.128)



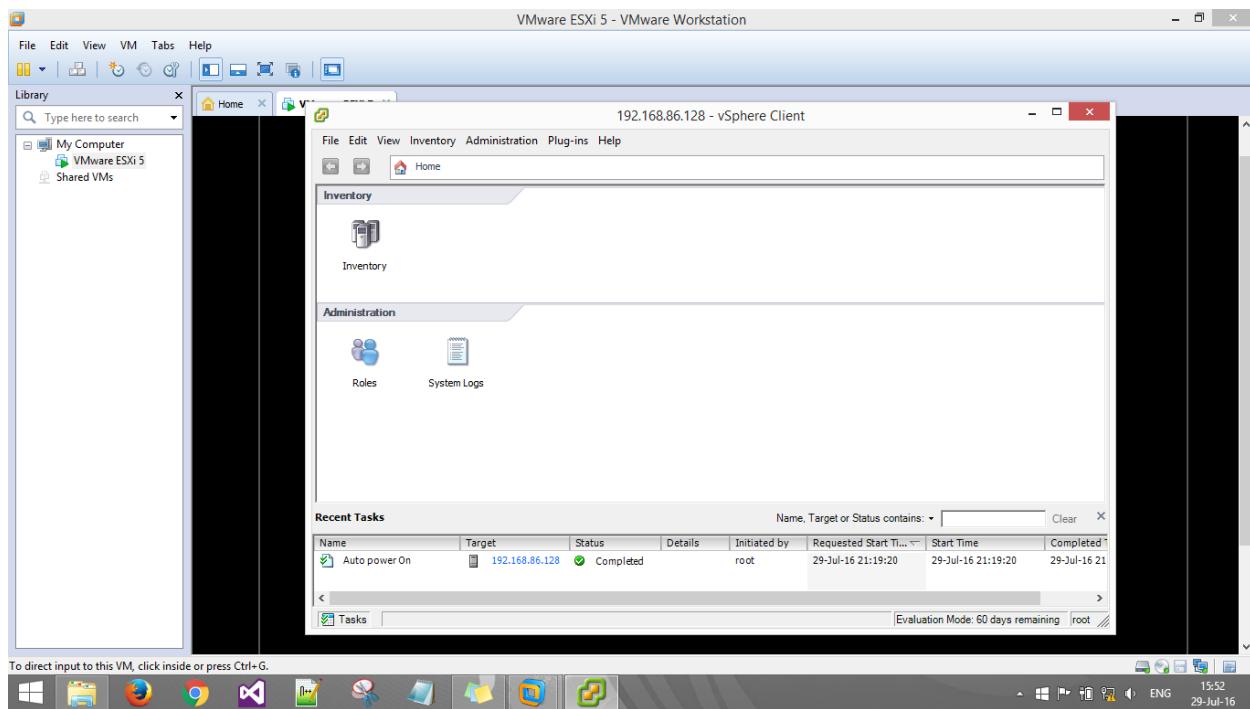
- Step 13: Install VMware vSphere Client 5.5





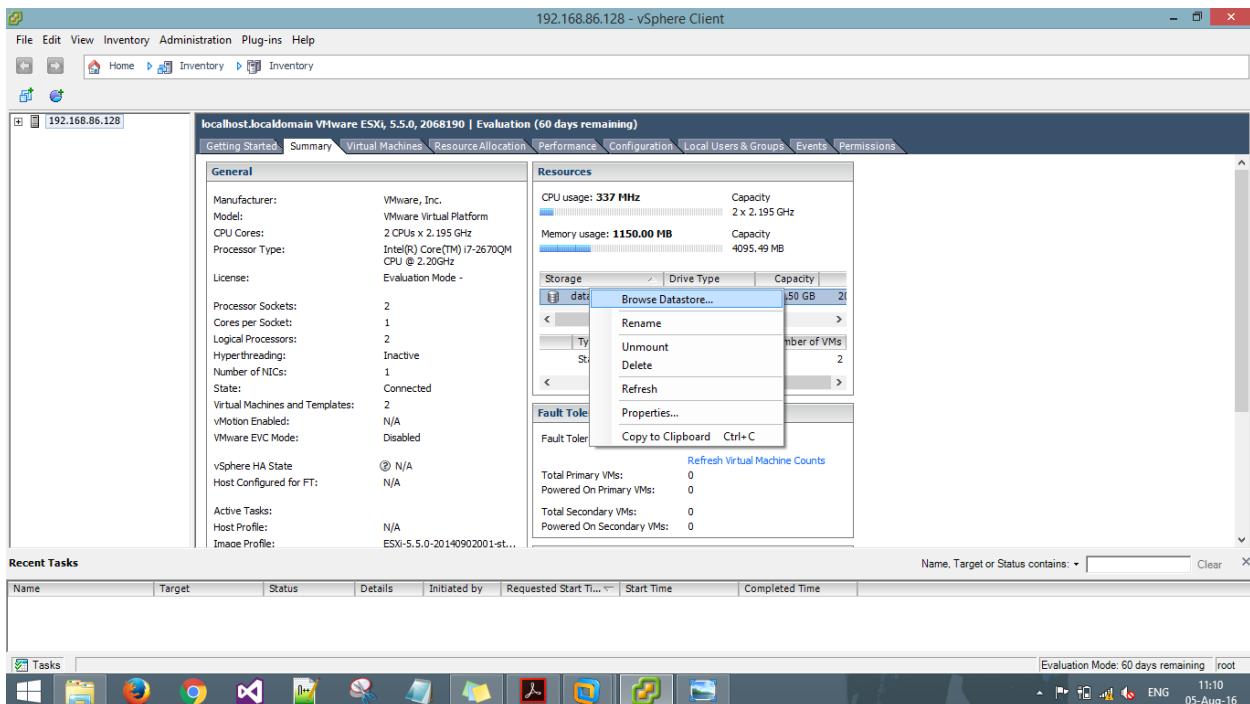


- Step 14: Run the VMware vSphere Client and for the user name, type ‘root’ and for the password, type the password which you gave in Step 10. Then it will show the following window. Then select ‘Inventory’.

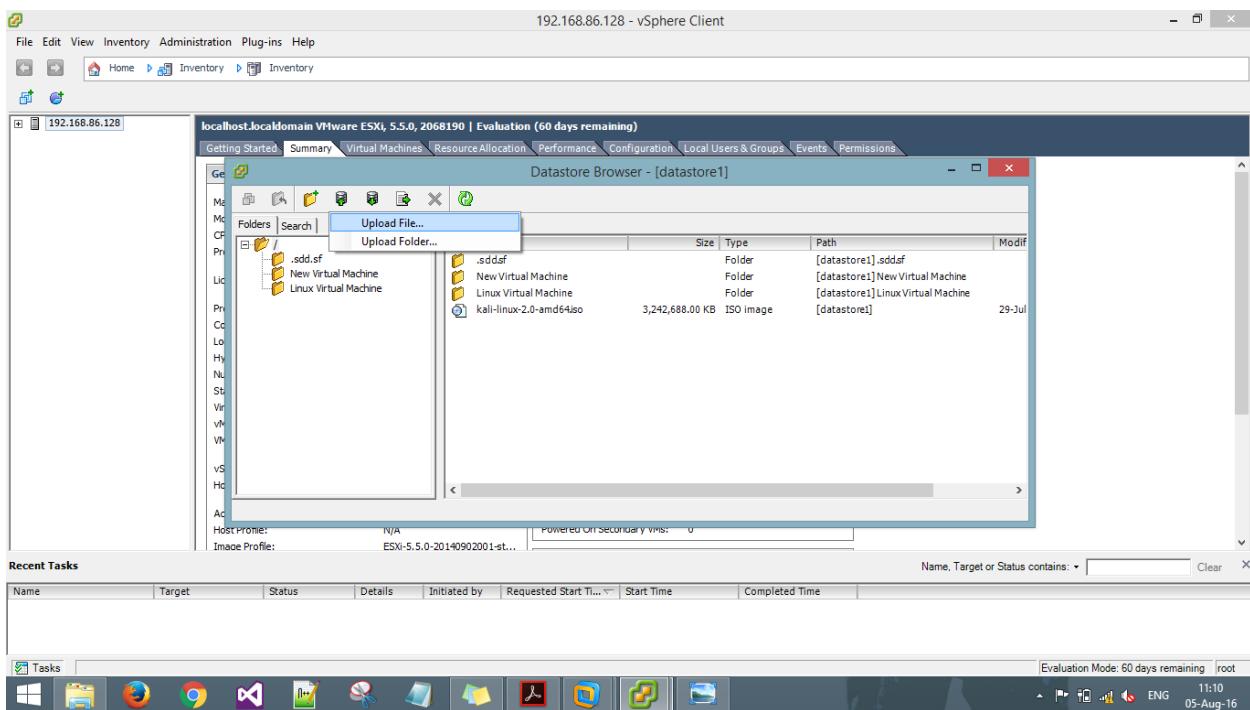


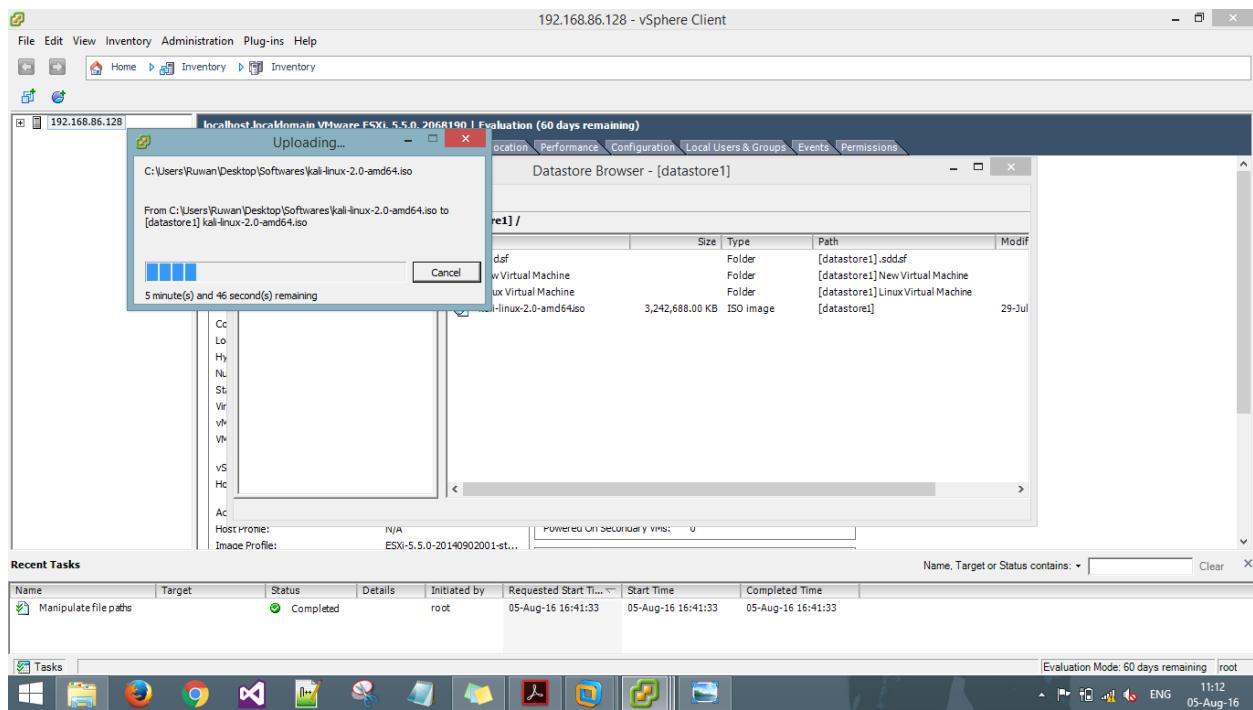
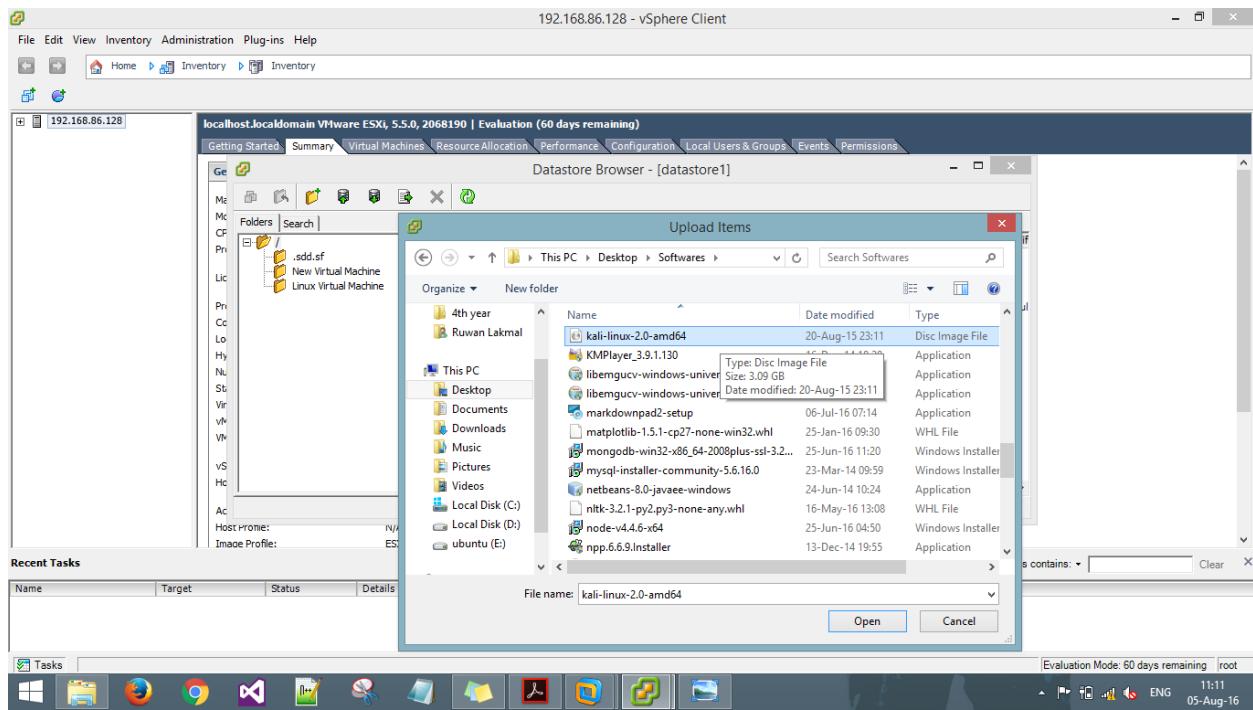
Create a Virtual Machine for Kali Linux

- Step 15: Go to the ‘Summary’ tab and right click datastore1. Then select ‘Browse Datastore’.

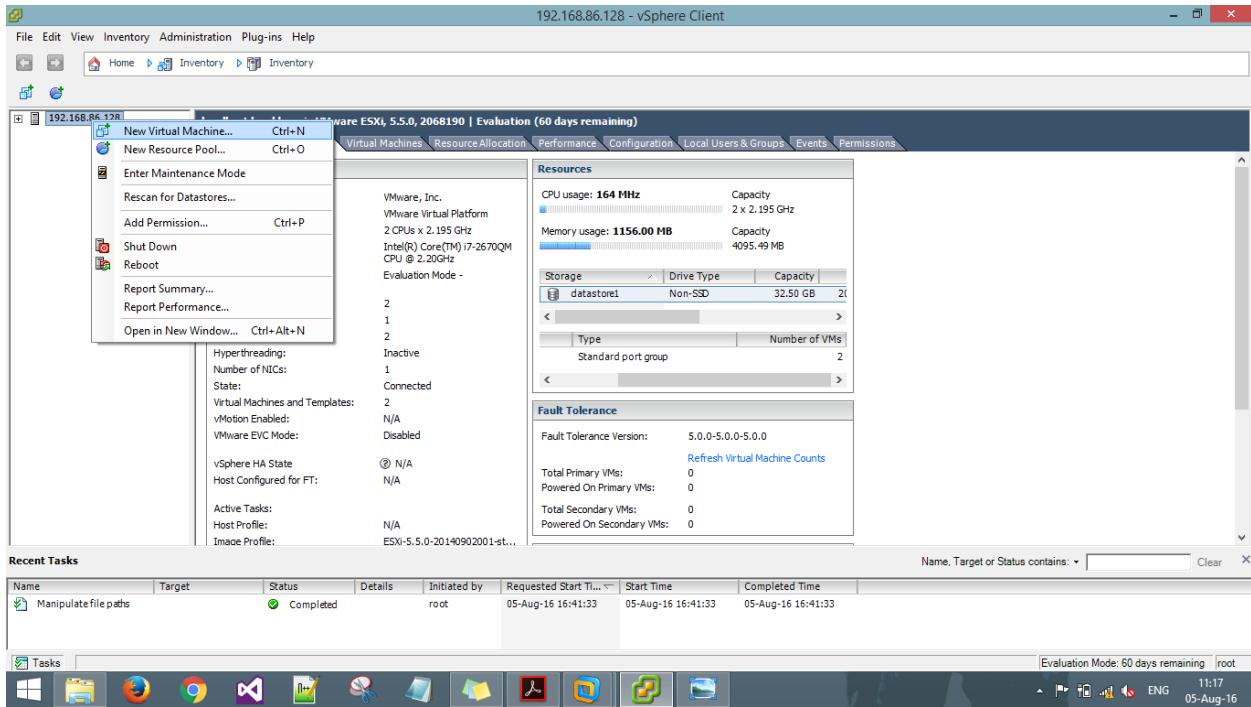


- Step 16: Right click and select ‘Upload File’ and select ‘kali linux .iso’ file. It will be uploaded to the datastore.

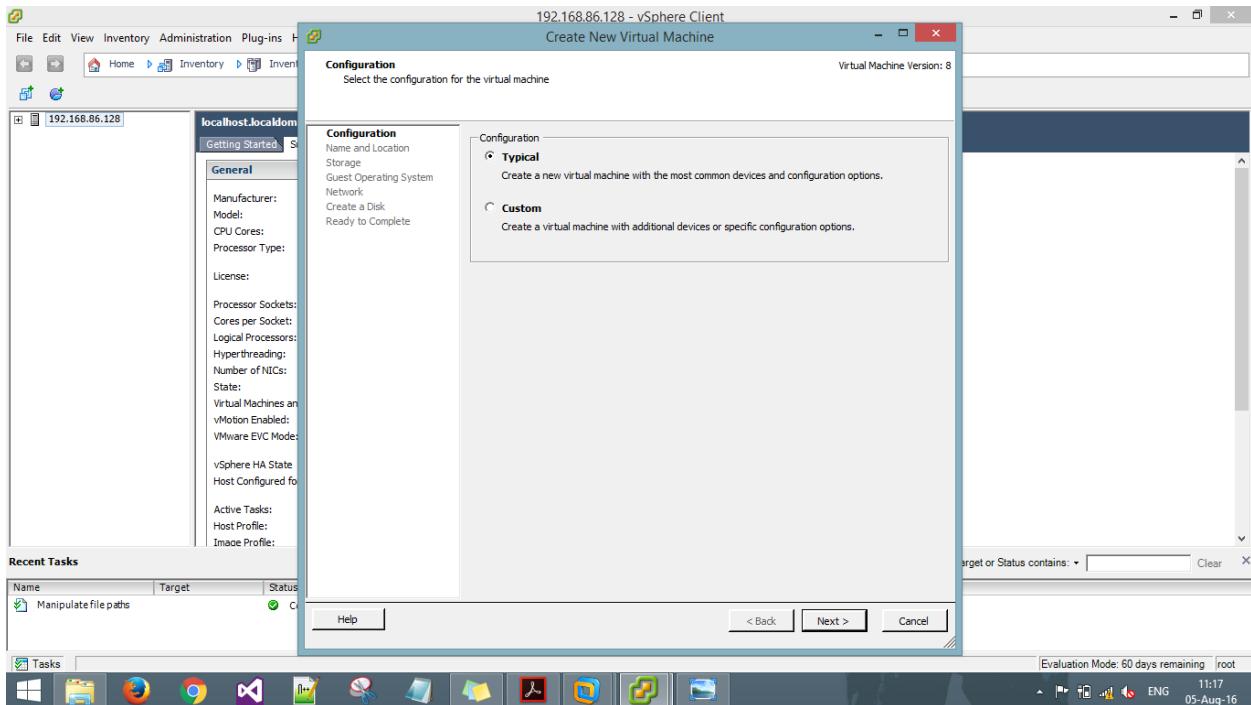




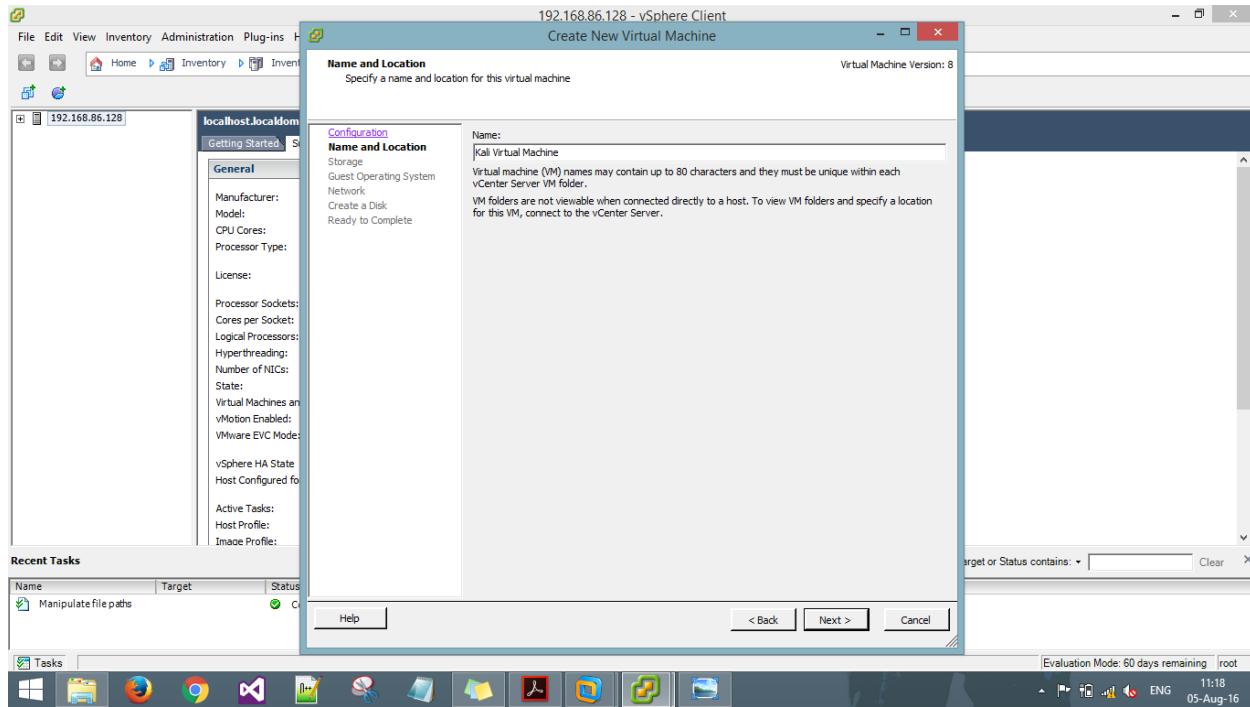
- Step 17: Create new Virtual Machine for Kali-Linux.



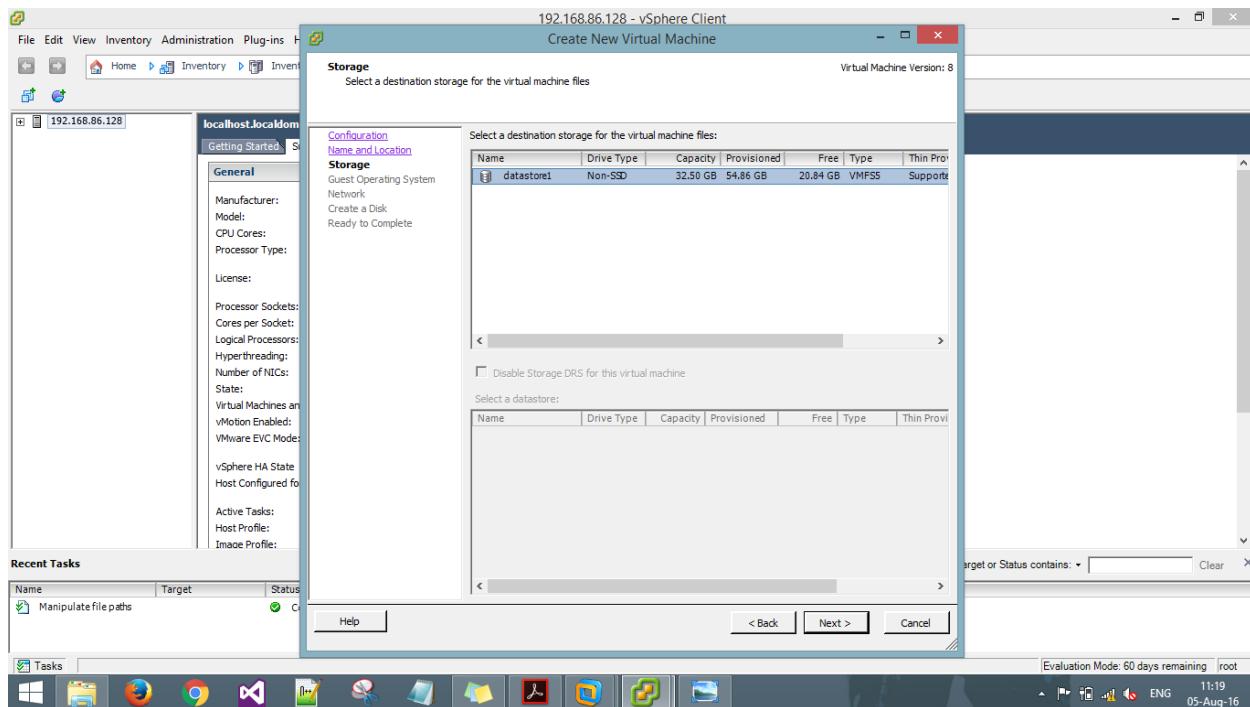
- Step 18: Select 'Typical' for the Configuration type.



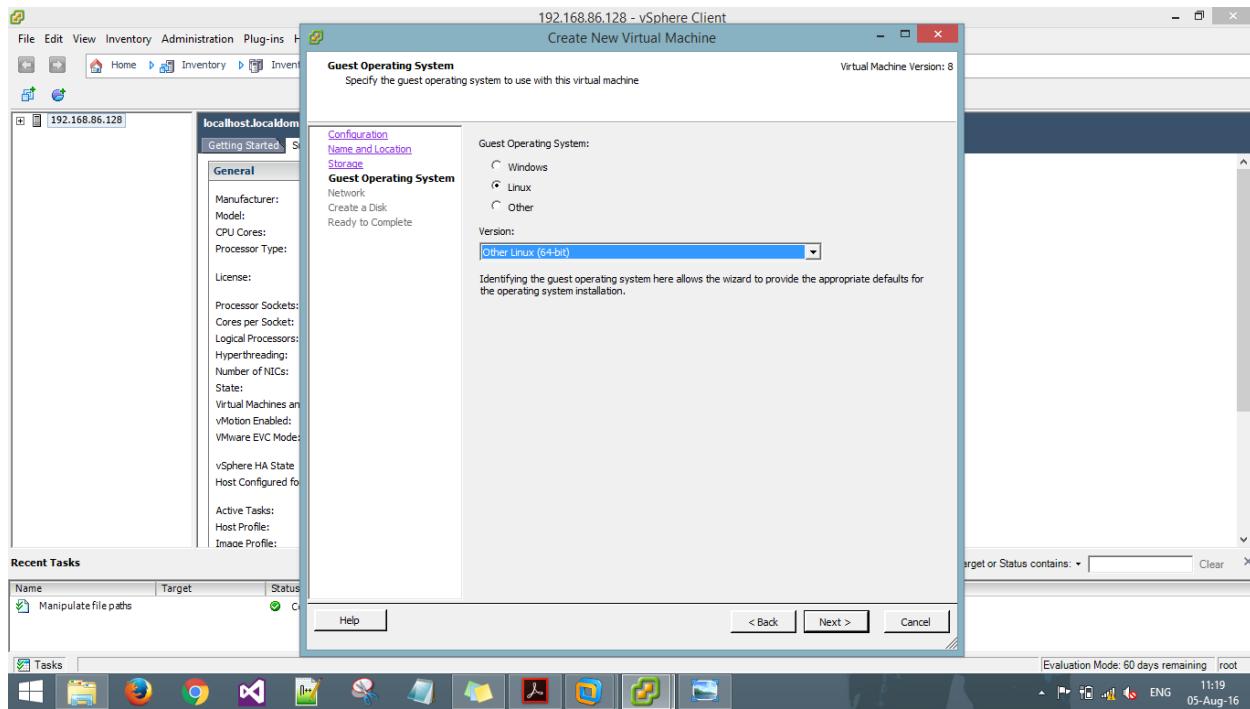
- Step 19: Provide a name for the virtual machine.



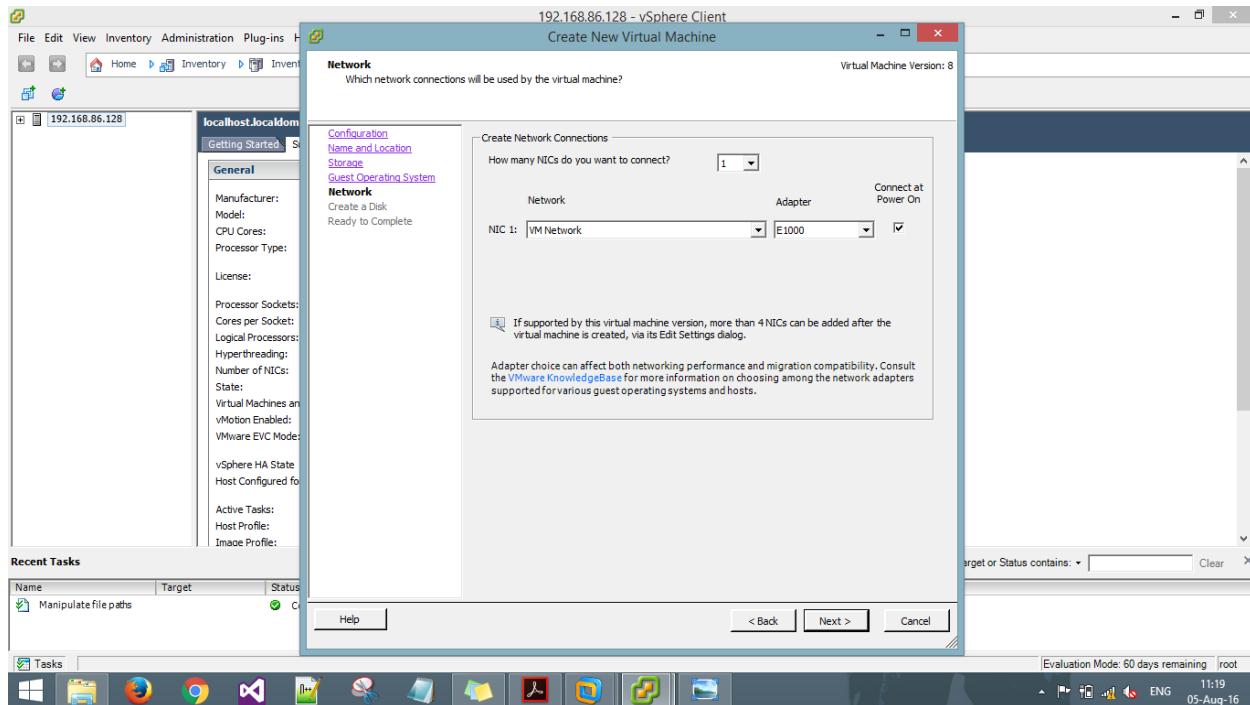
- Step 20: Select ‘datastore1’ and click ‘Next’.



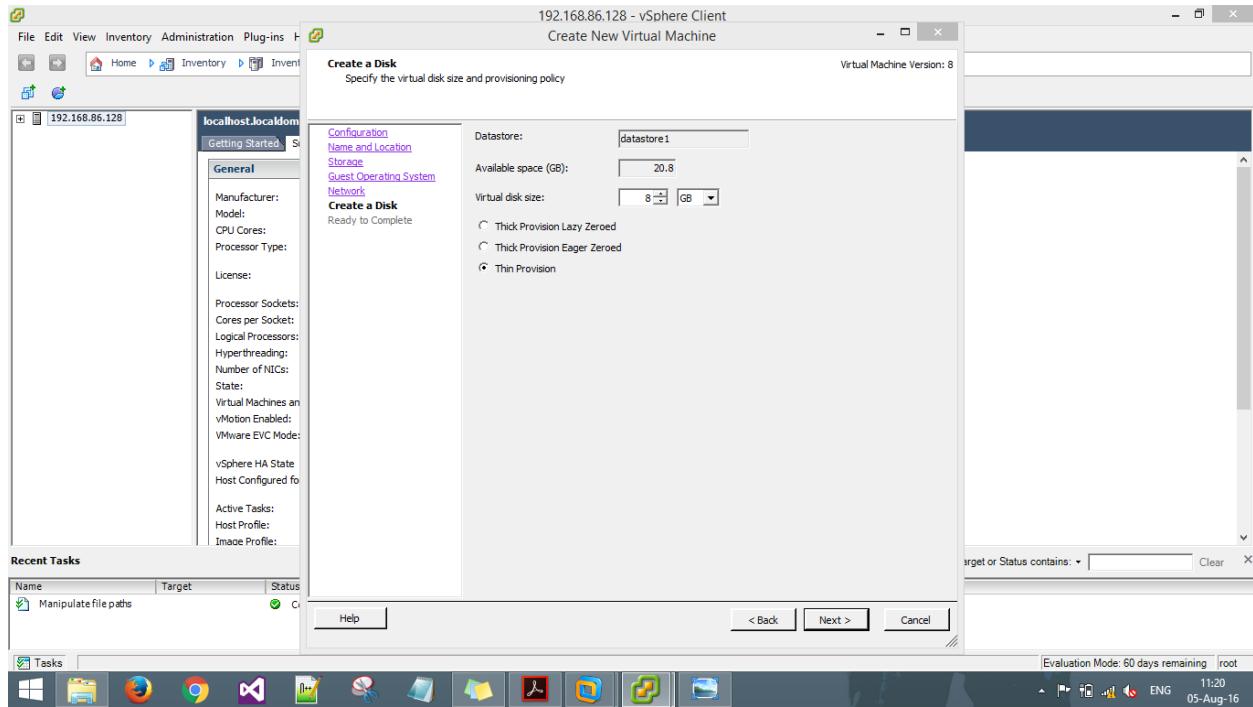
- Step 21: Select ‘Linux’ for the Guest Operating System and ‘Othe Linux (64-bit)’ for the version.



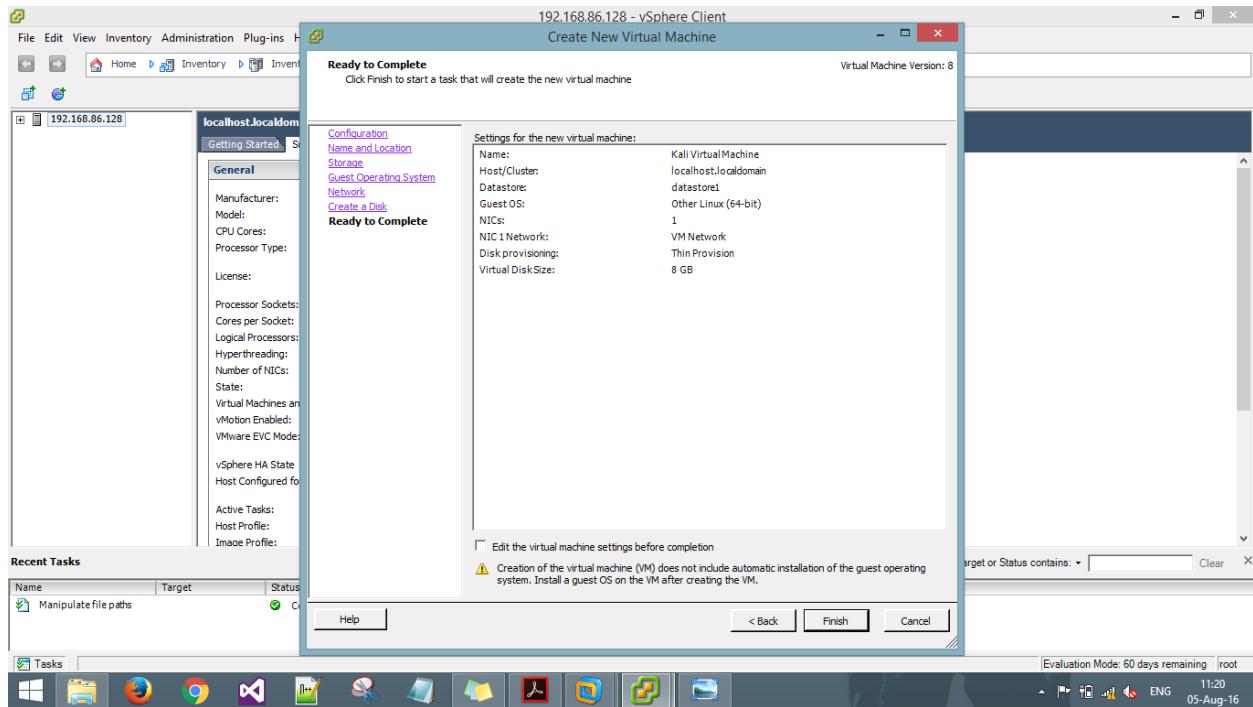
- Step 22: click ‘Next’.



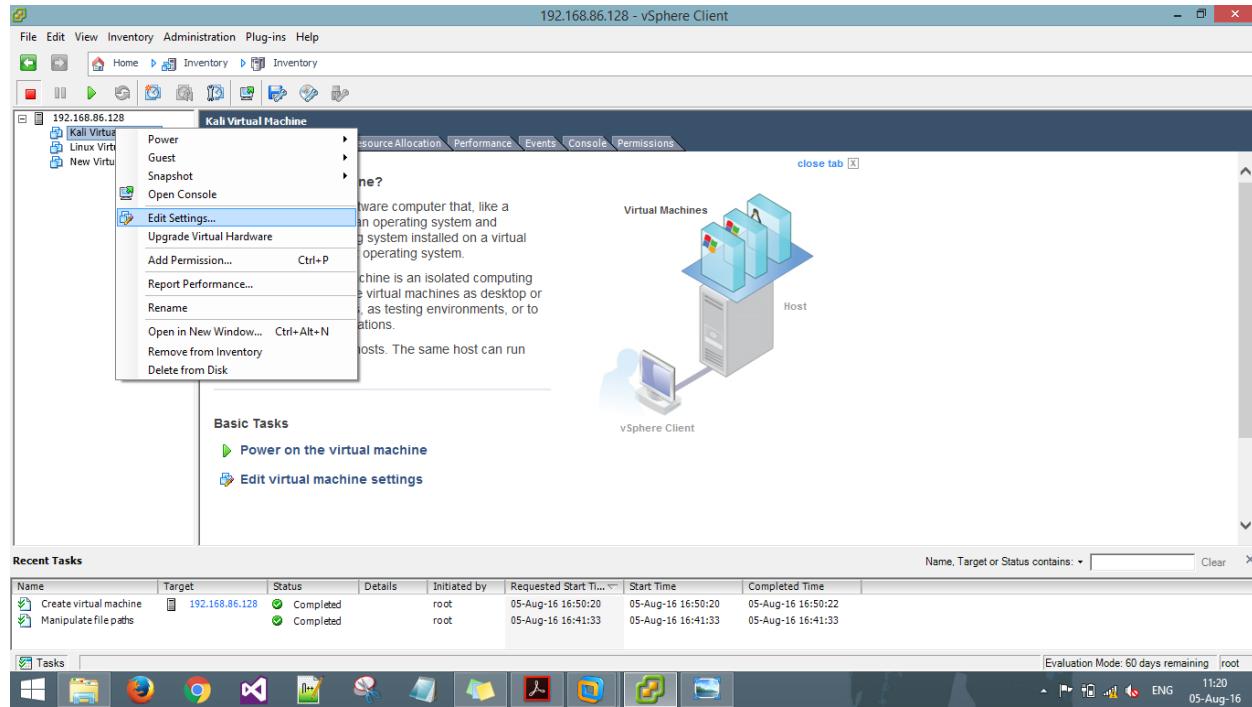
- Step 23: Give appropriate size for the virtual disk and select ‘Thin Provision’.



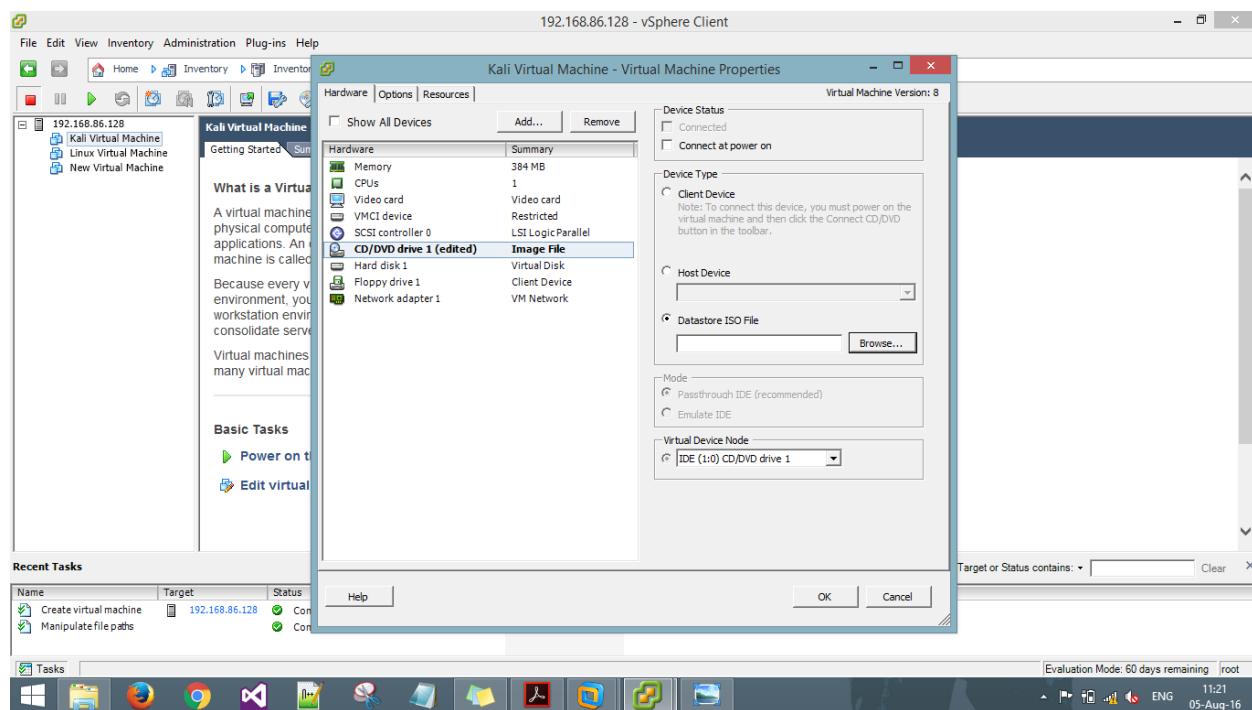
- Step 24: click ‘Finish’.

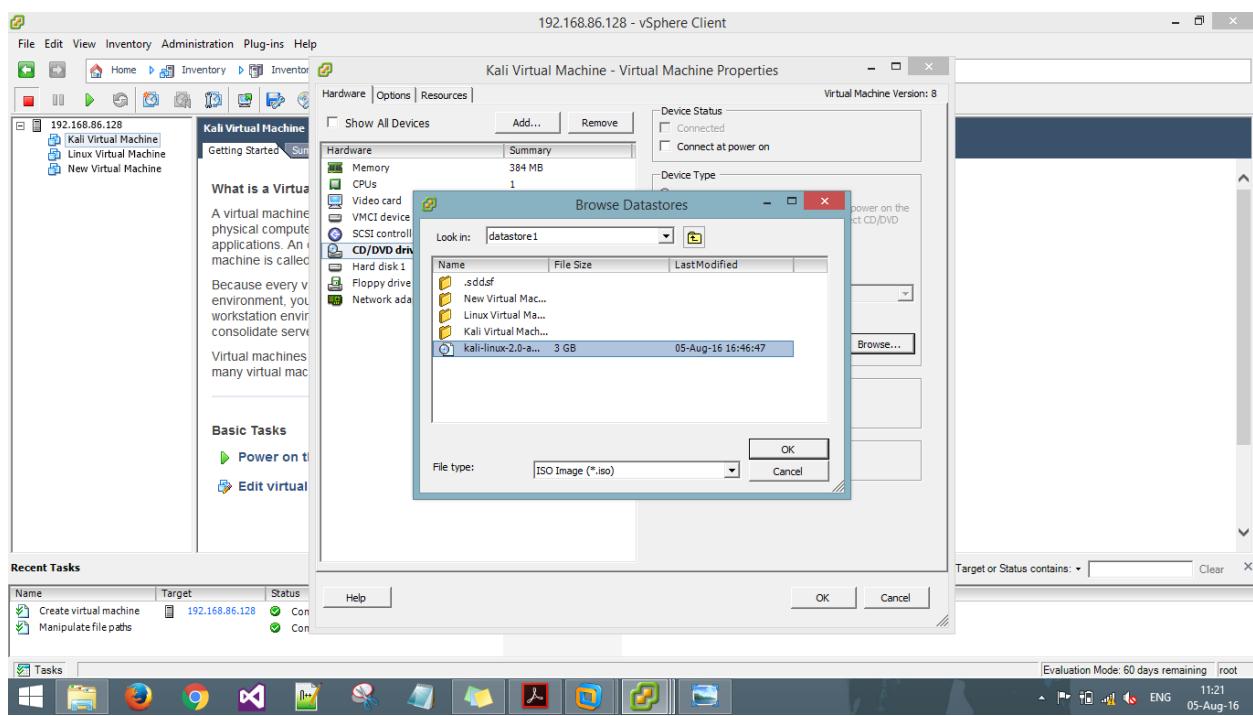
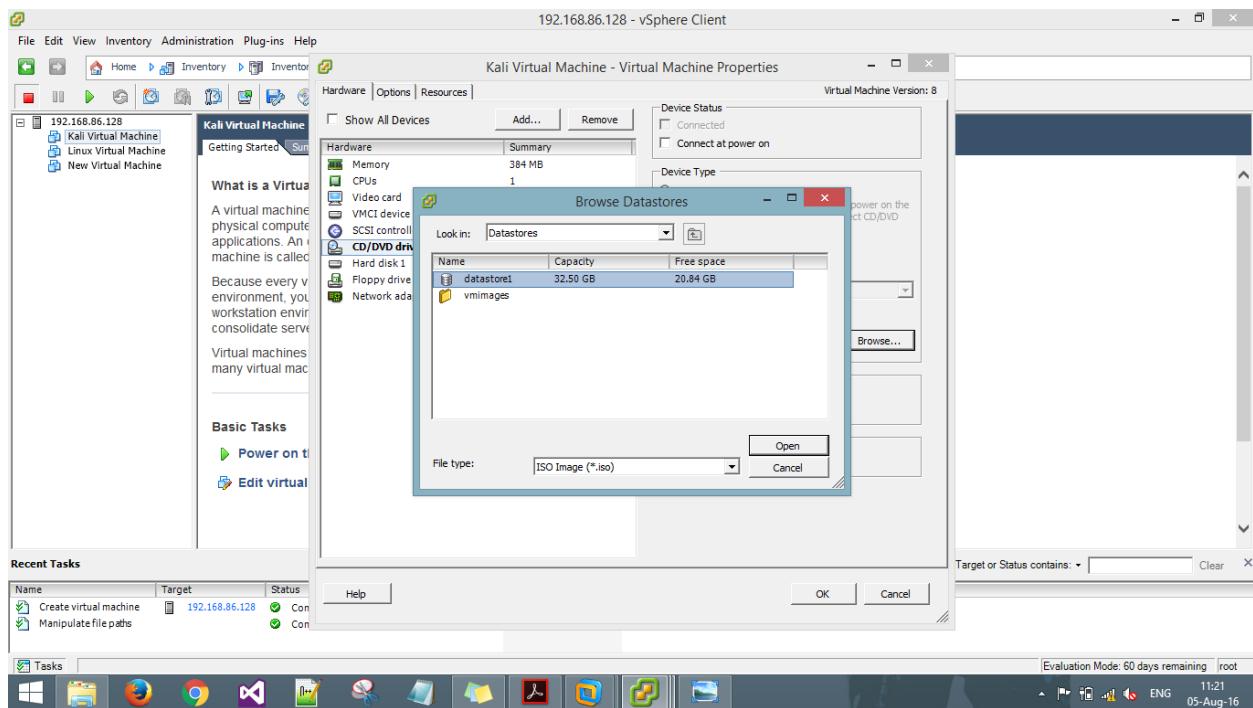


- Step 25: Right click ‘Kali Virtual Machine’ and select ‘Edit Settings’.

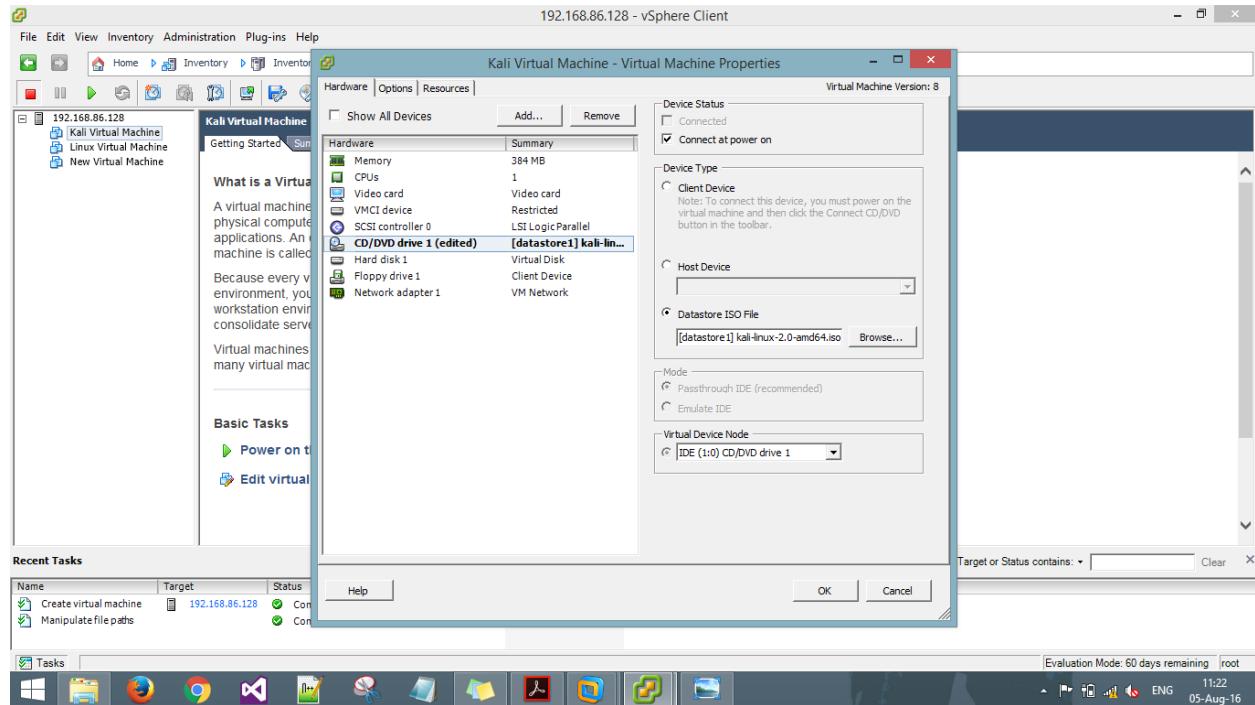


- Step 26: Go to the ‘CD/DVD drive 1’ option and browse the Datastore ISO File.



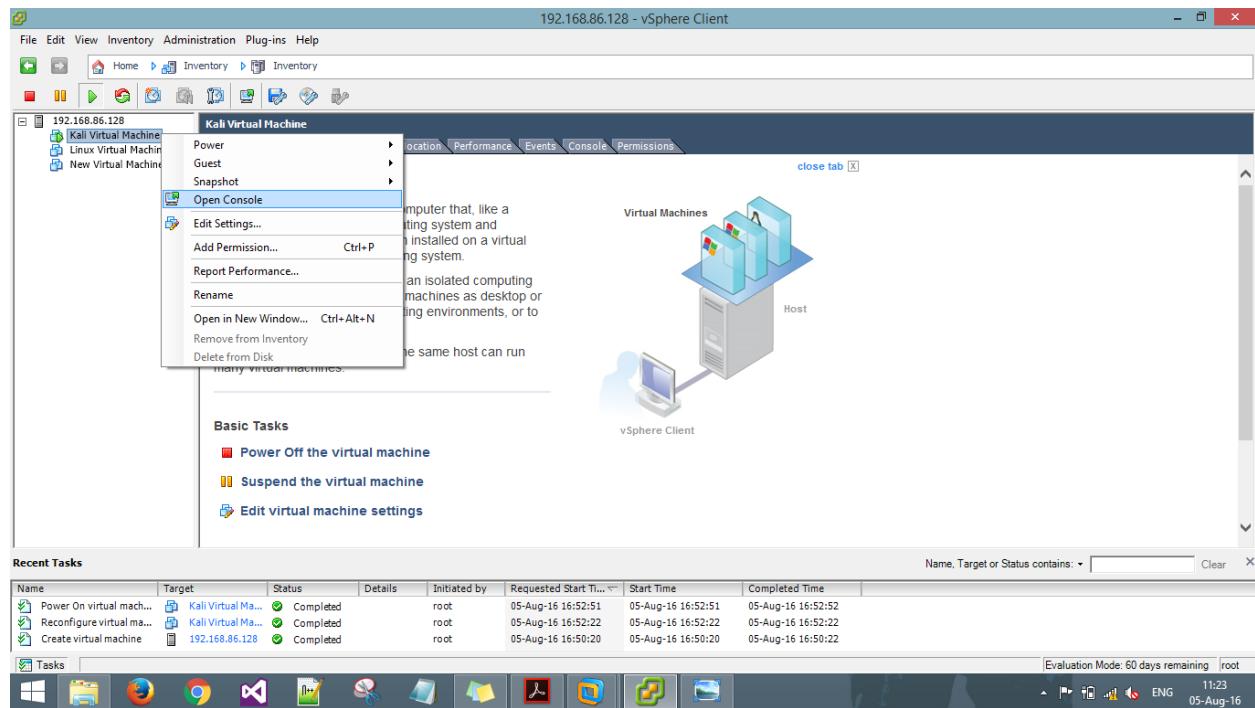


- Step 27: Select ‘Connect at power on’ option and click ‘OK’.

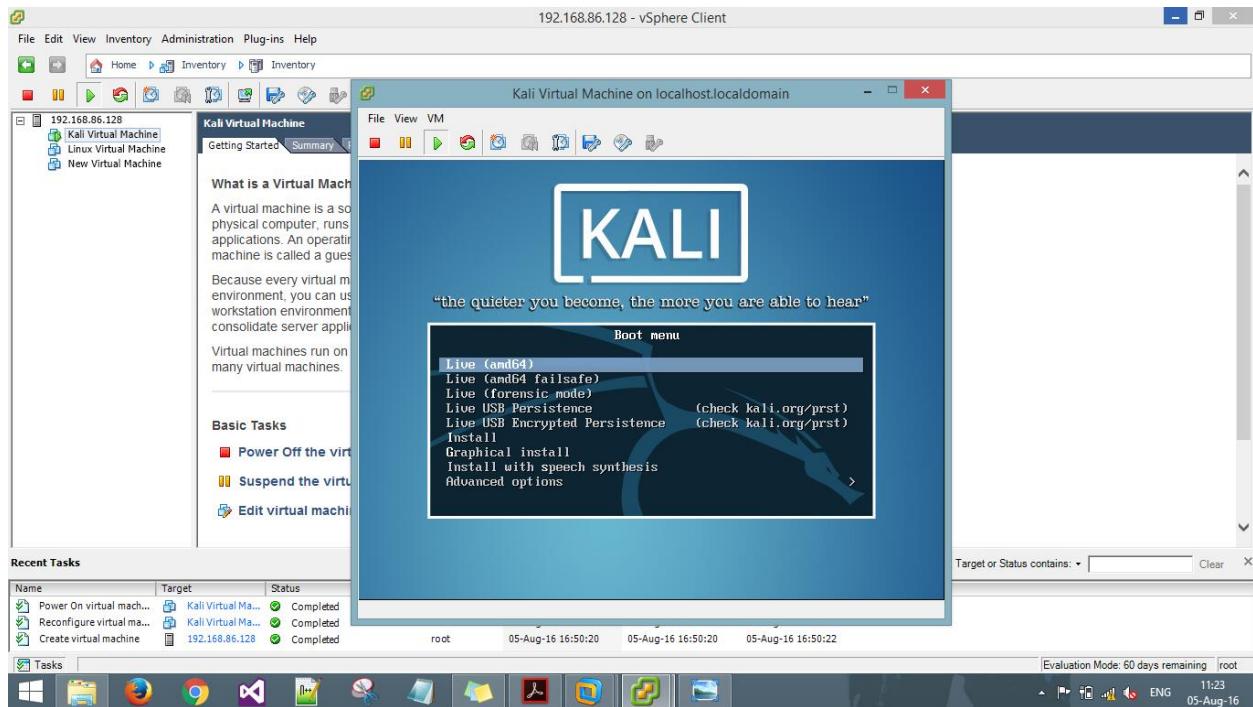


Installation Process of Kali Linux in Virtual Machine

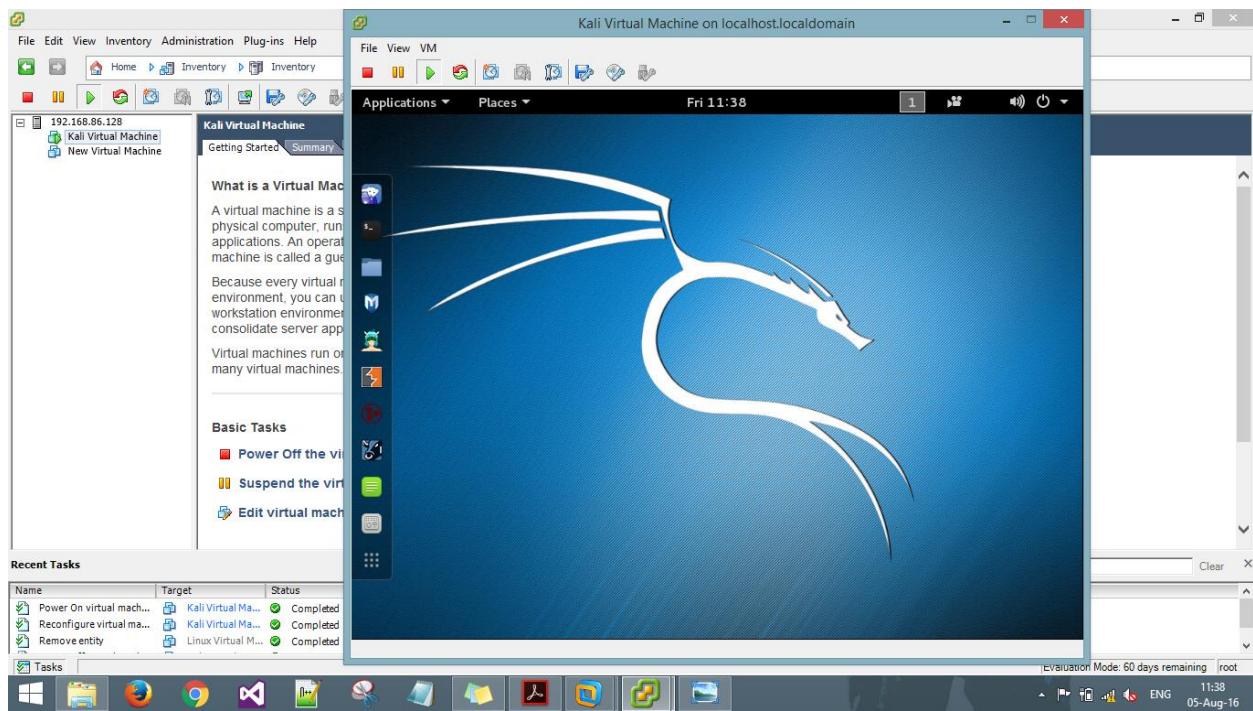
- Step 28: Power on the ‘Kali Virtual Machine’. Then right click it and select ‘Open Console’.



- Step 29: Select ‘Live (amd64)’.



- Step 30: It will take several minutes for complete the installation process of Kali Linux. After that it displays the following window.



- Step 31: To check whether it is working correctly, open the terminal and execute a linux command (ls -al) and it will execute without any error.

