Enterprise Standards and Best Practices for IT Infrastructure

Lab Report

Lab 05 – Creating a Virtual Machine on the Hypervisor

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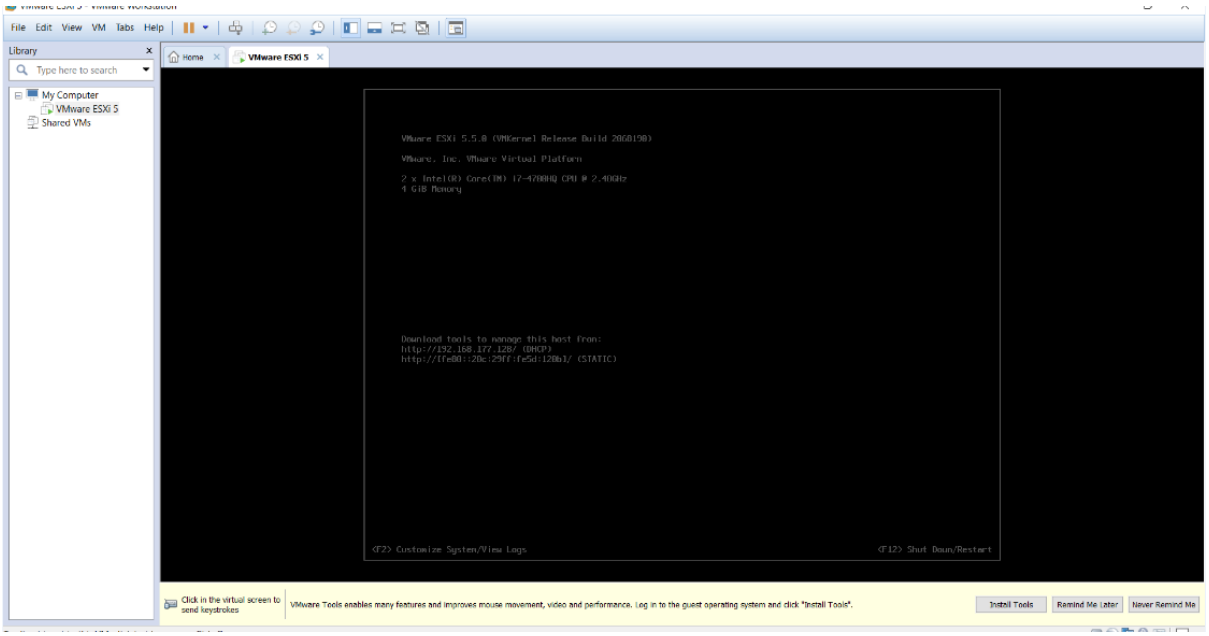
Sri Lanka Institute of Information Technology

B.Sc. Special (Honors) Degree in Information Technology

Specialized in Information Technology

Creating a Virtual Machine on the Hypervisor

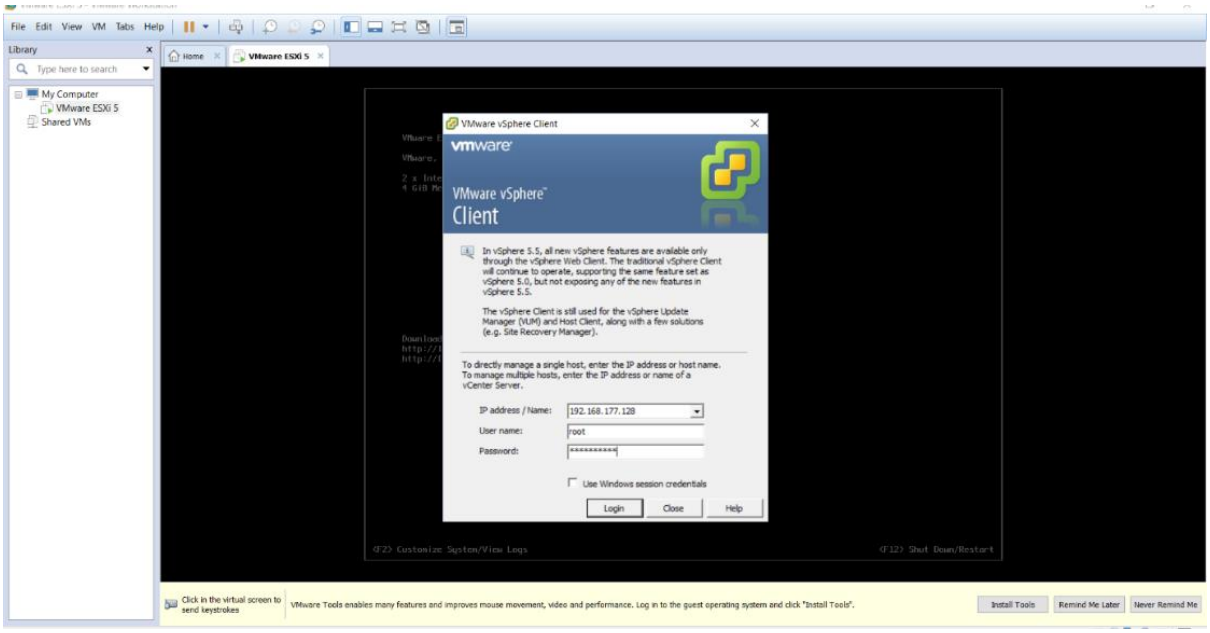
Step 01: Power on ESXi 5 from VMware Workstation.



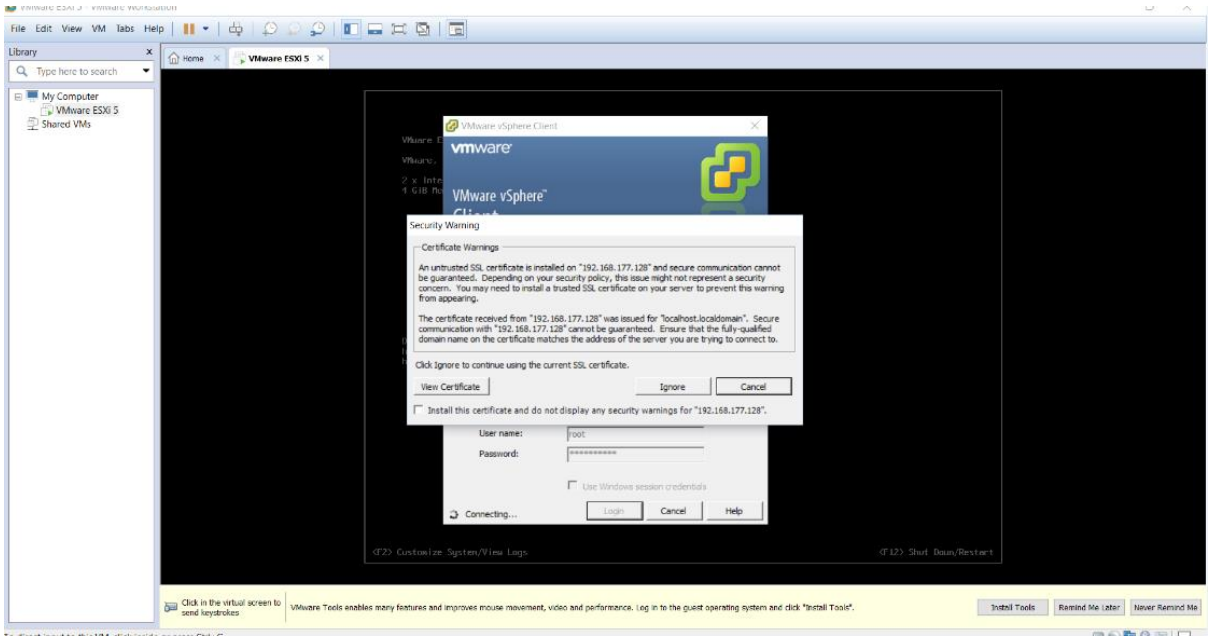
Step 02: Install VMware vSphere Client software and start it.

Provide the IP address of ESXi 5 host, the root username and password.

Click ‘Login’.

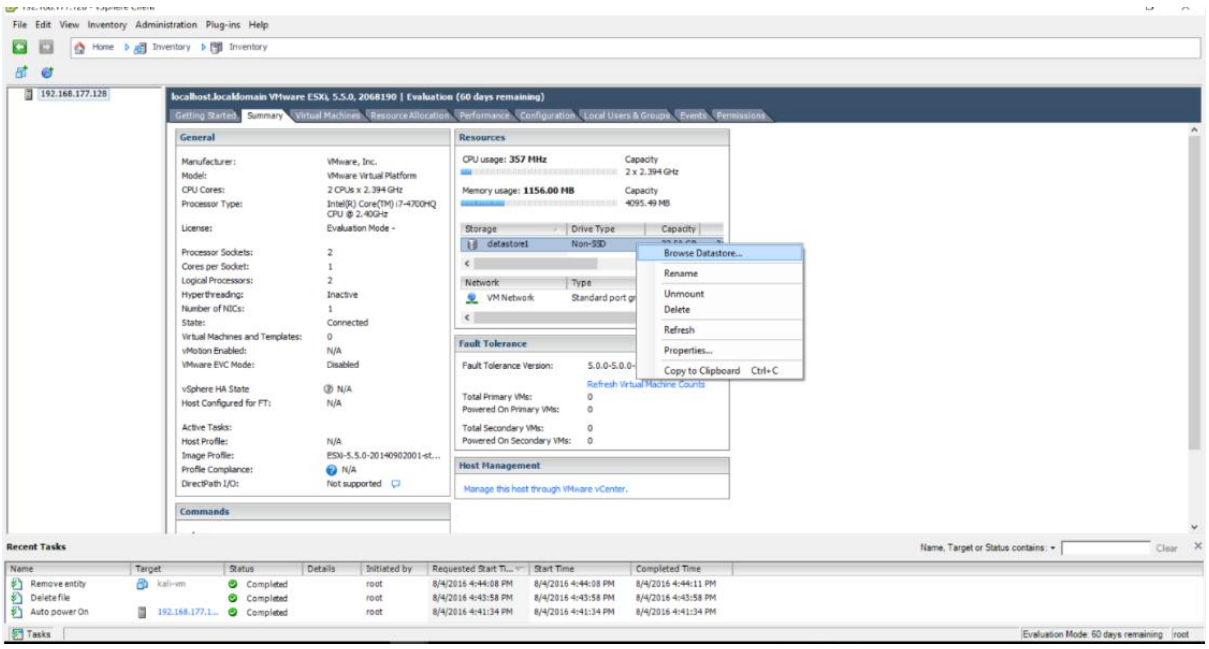


Step 03: Ignore the SSL certificate security warning.

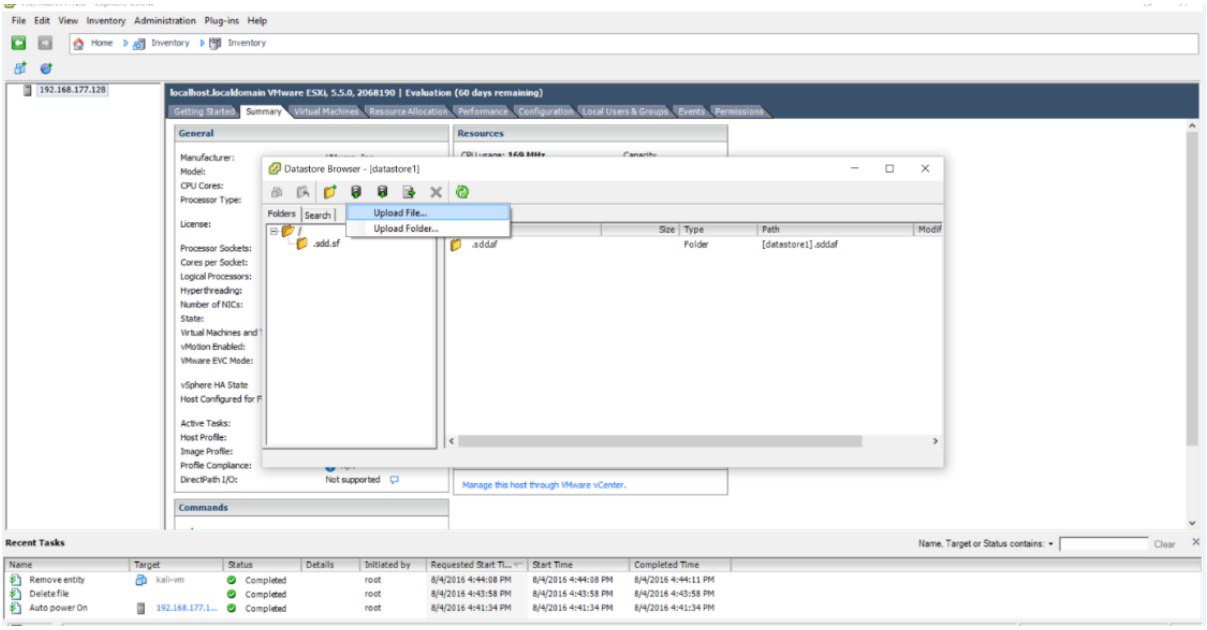


Step 04: Go to the ‘Summary’ tab.

Right click on ‘datastore1’ from ‘Storage’ category and choose ‘Browse Datastore...’

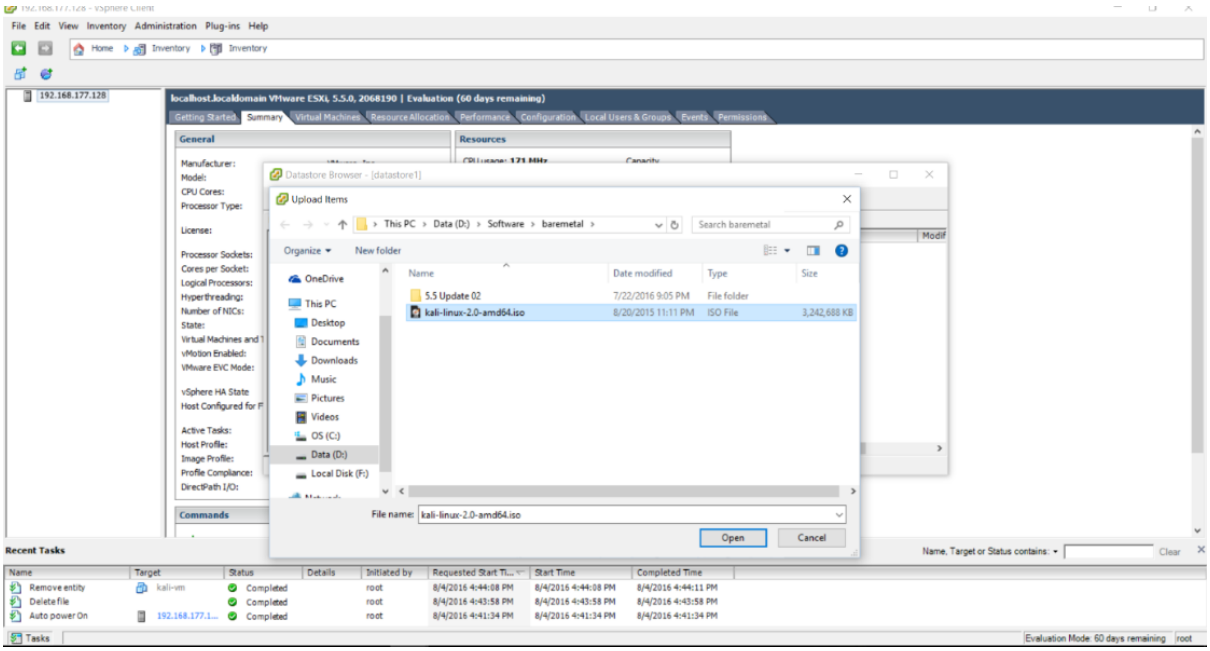


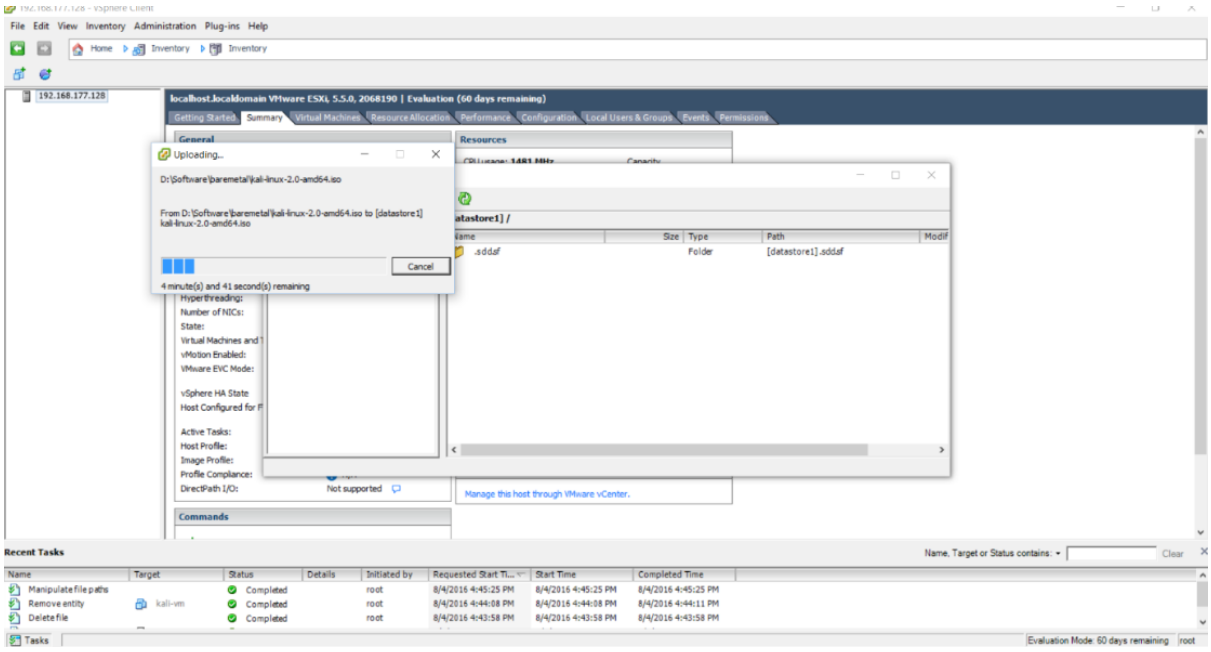
Step 05: Choose ‘Upload File’ from ‘Upload files to this datastore’ icon.

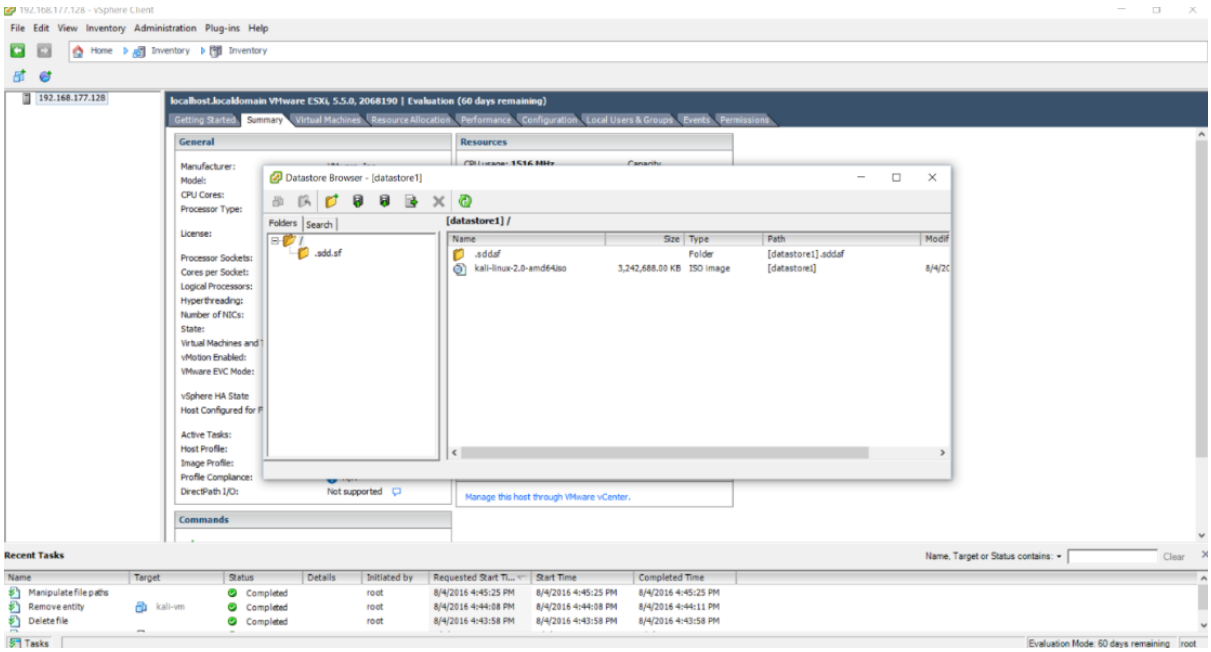


Step 06: Browse for the ISO file of an OS and open it.

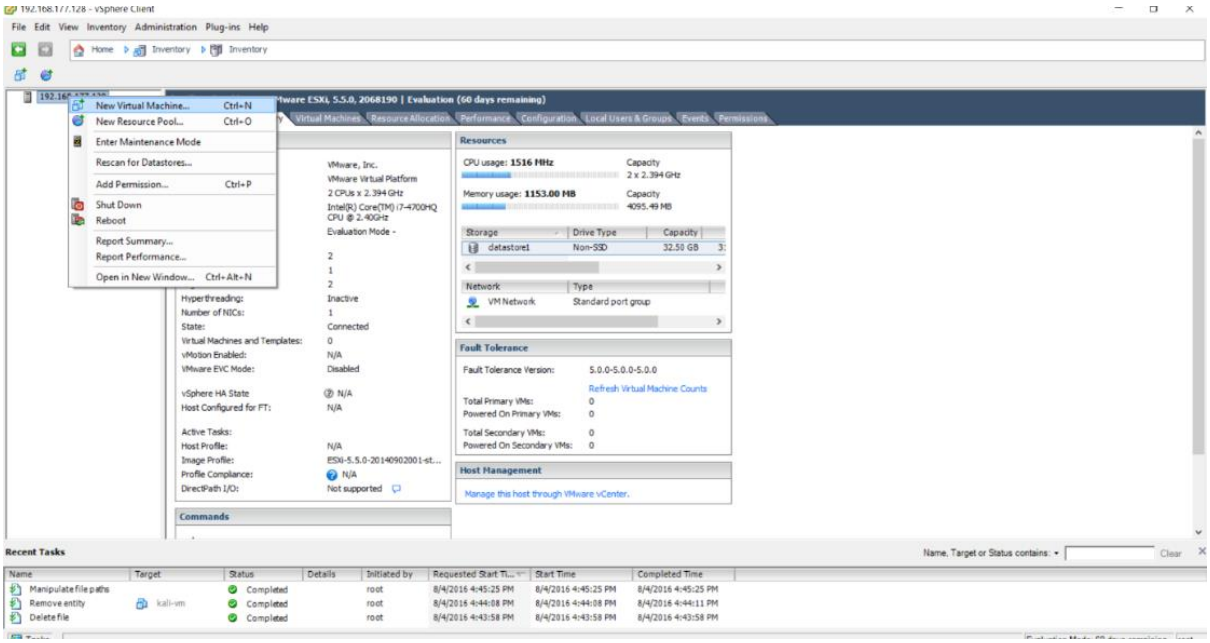
Then close the window after uploading is finished.



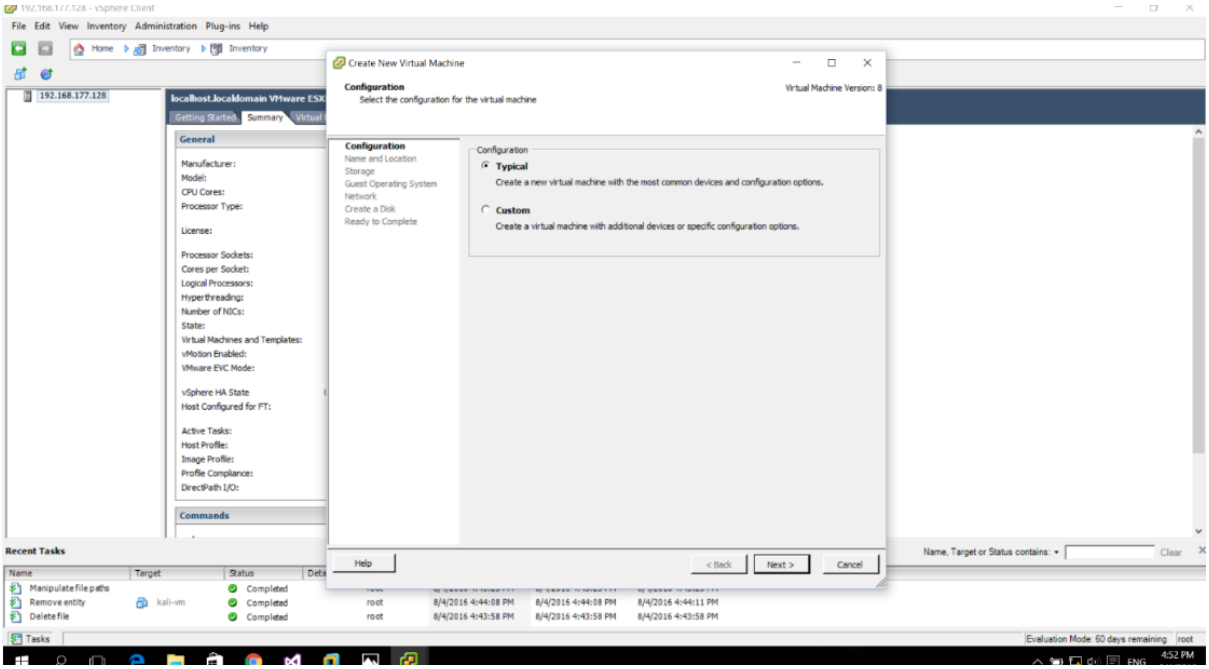




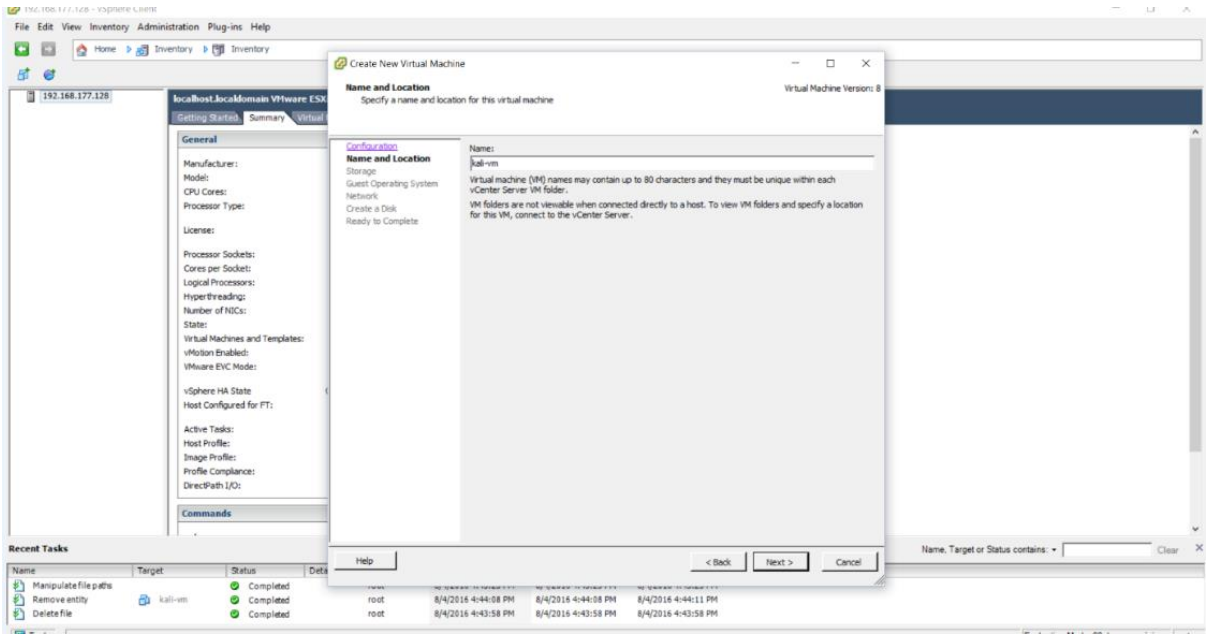
Step 07: Right click on the host and choose ‘New Virtual Machine’.



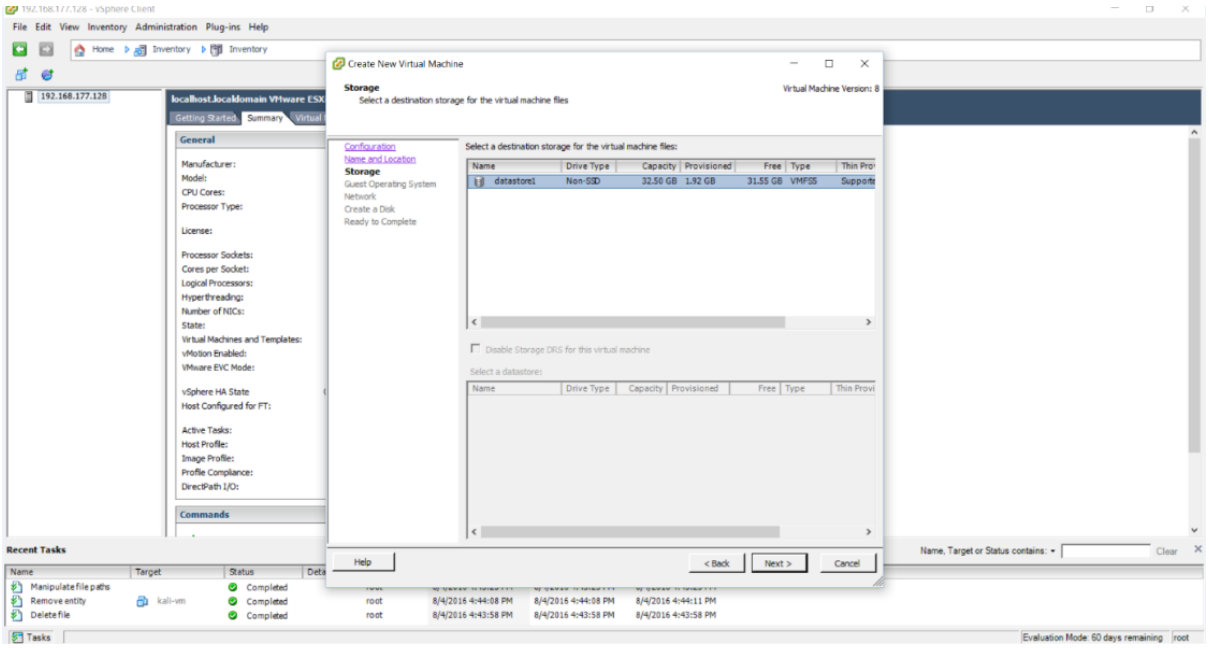
Step 08: Select ‘Typical’ under ‘Configuration’ and click ‘Next’.



Step 09: Provide a name for the virtual machine and click ‘Next’.

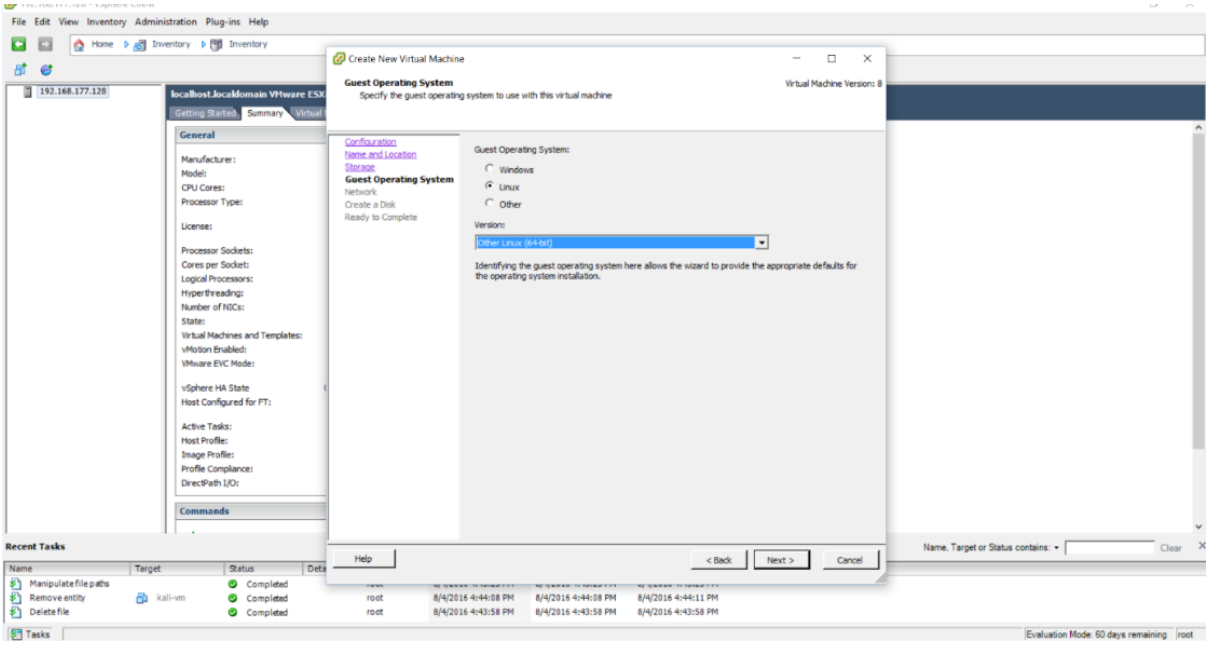


Step 10: Click ‘Next’ on ‘Storage’ section.

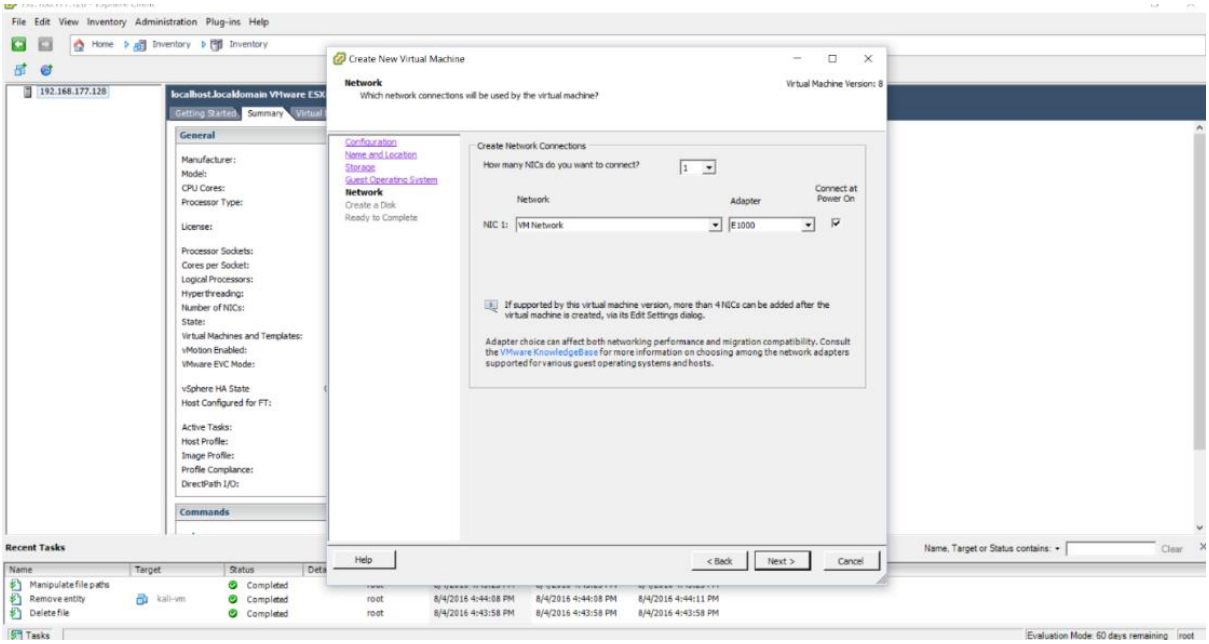


Step 11: Select ‘Linux’ under ‘Guest Operating System’.

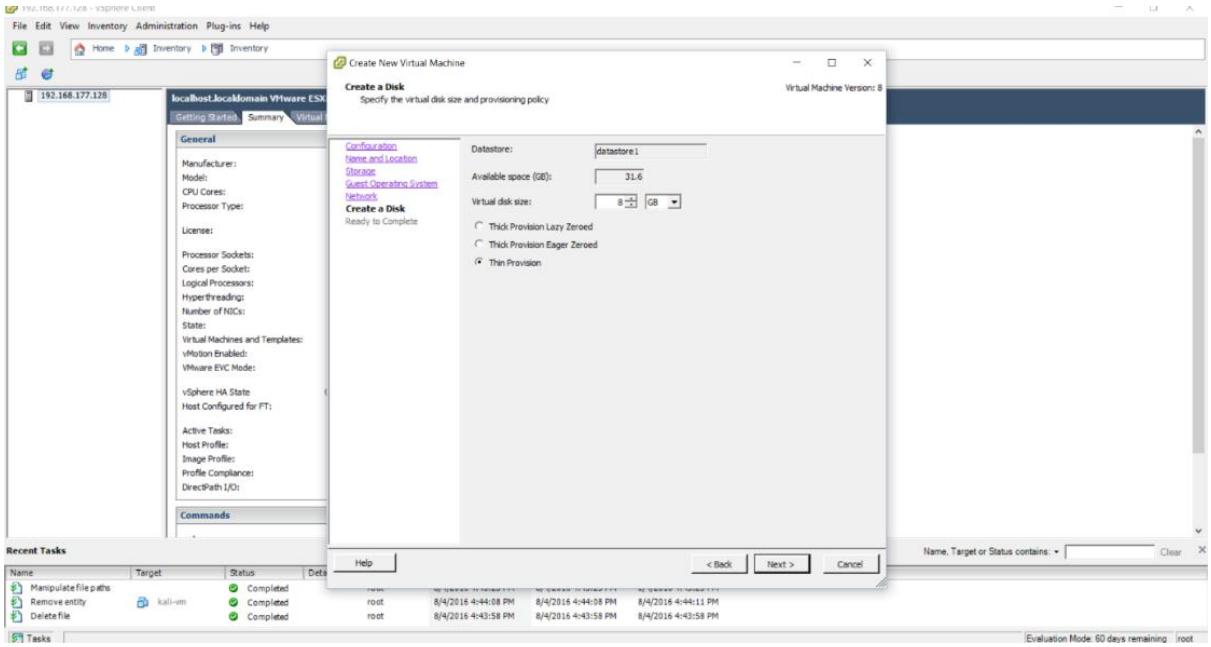
Choose ‘Other Linux (64-bit)’ and click ‘Next’.



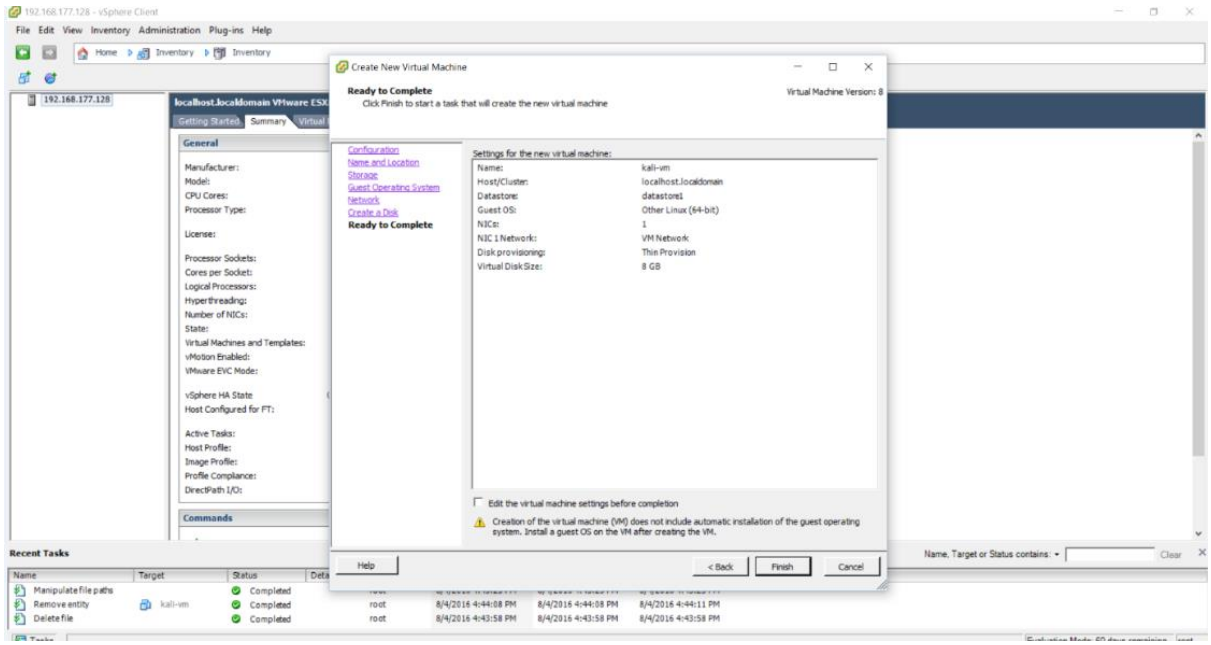
Step 12: Click ‘Next’ on ‘Network’ section.



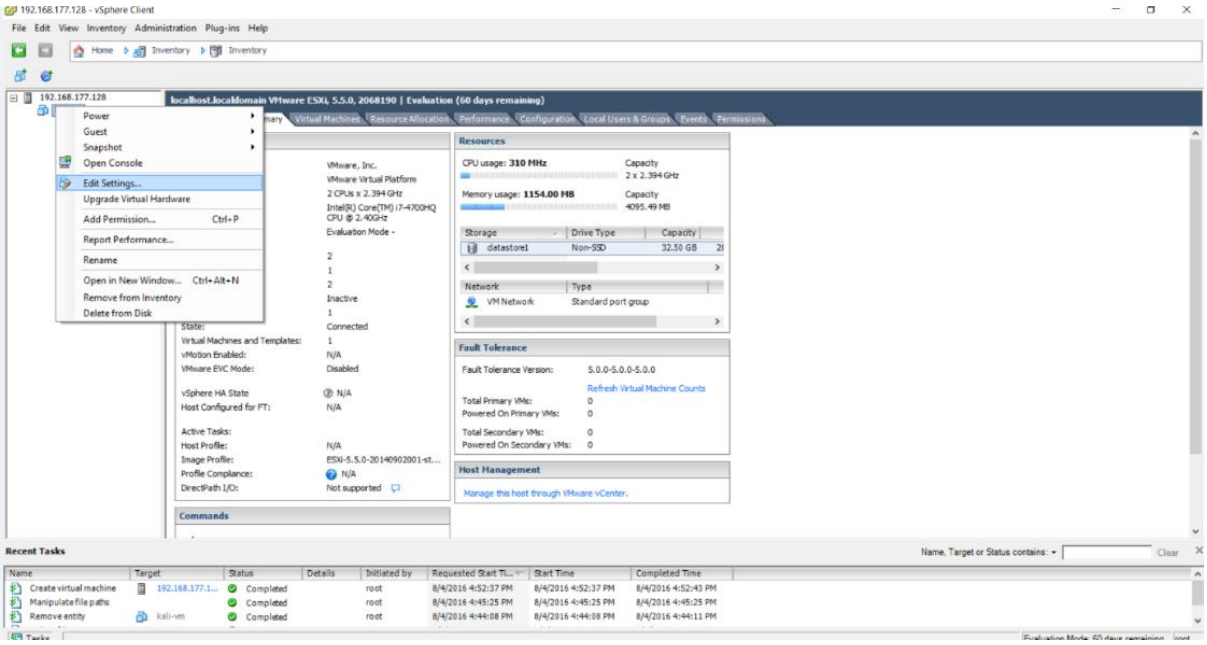
Step 13: Select ‘Thin Provision’ on ‘Create a Disk’ section and click ‘Next’.



Step 14: Click ‘Finish’.



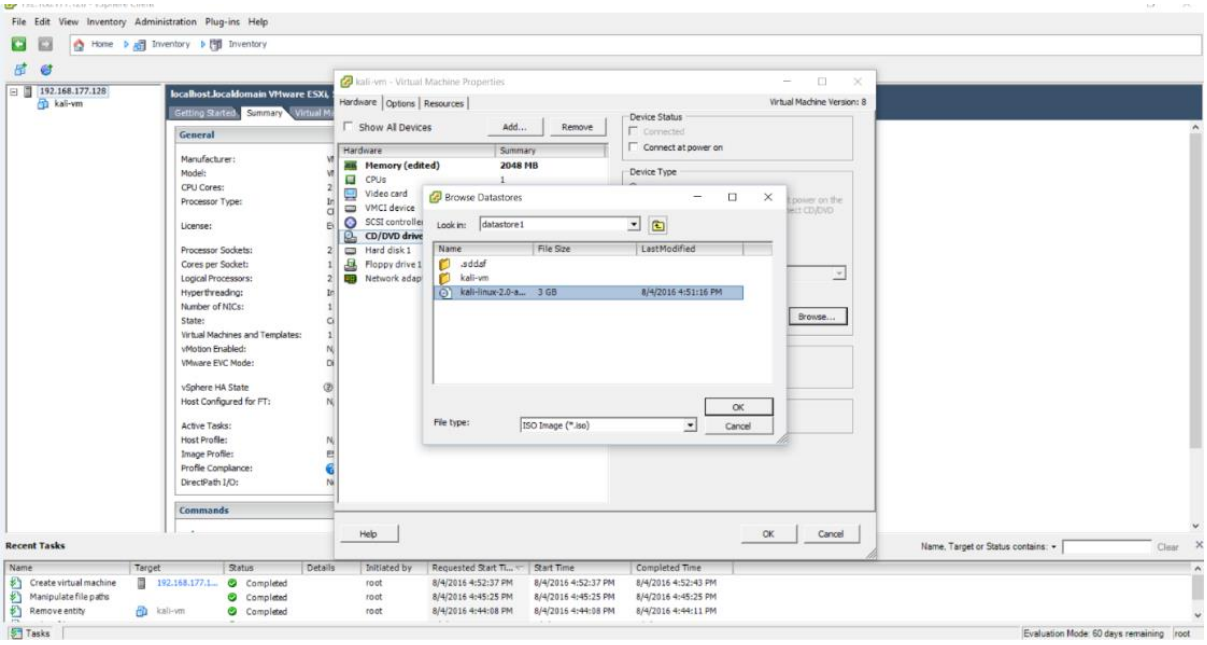
Step 15: Right click on the created virtual machine and choose ‘Edit Settings...’



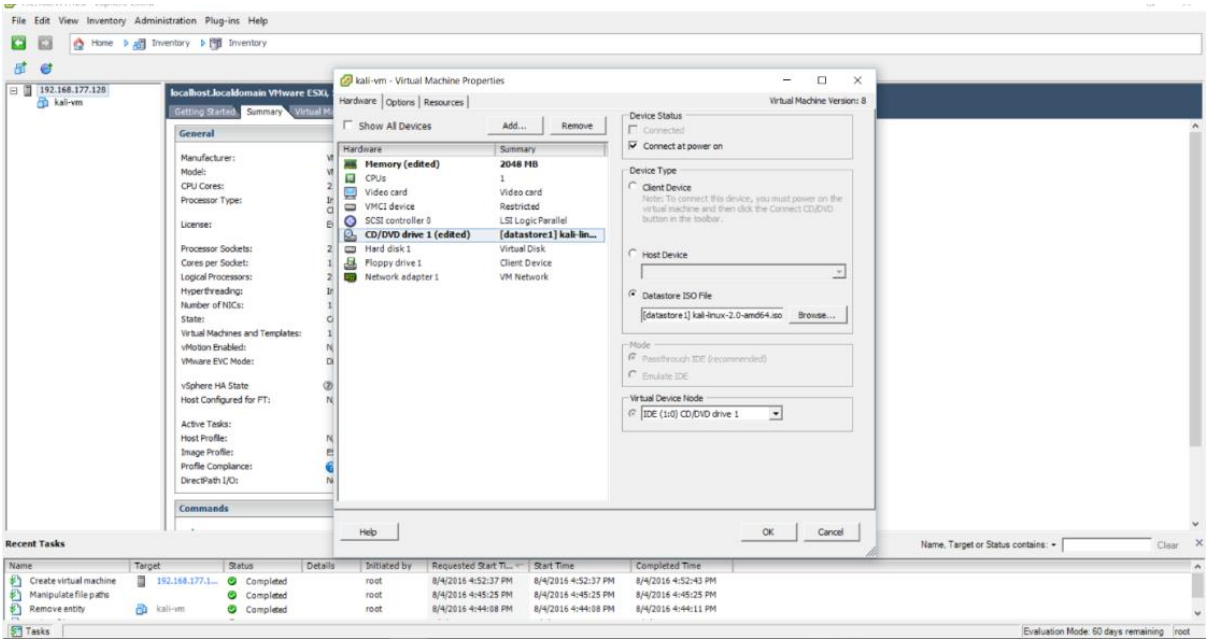
Step 16: Change the memory size to 2048 MB.

Select ‘CD/DVD drive 1’ and choose ‘Datastore ISO File’.

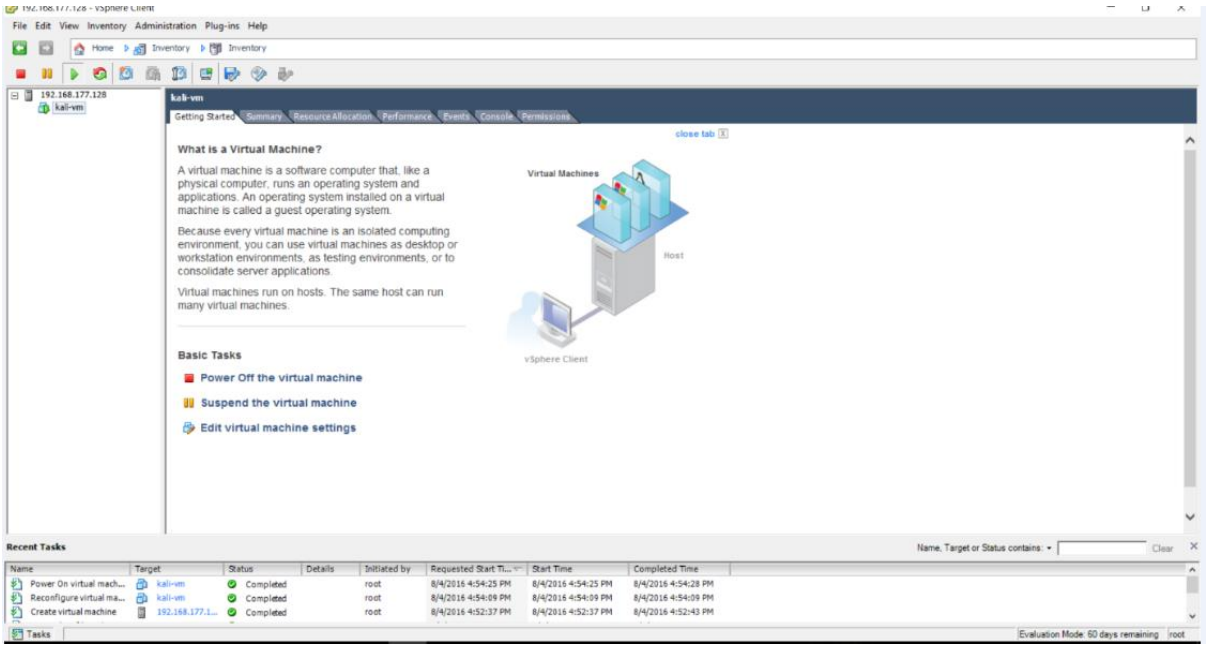
Browse for the ISO file from the datastore.



Step 17: Select ‘Connect at power on’ from ‘Device Status’ and click ‘OK’.

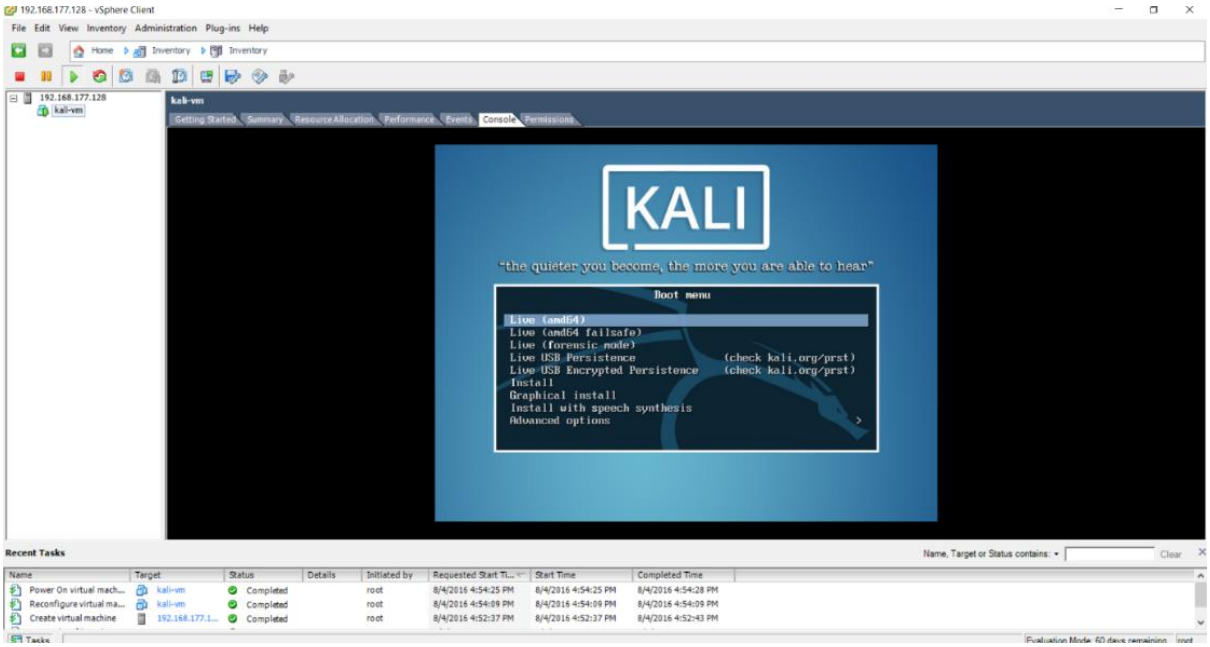


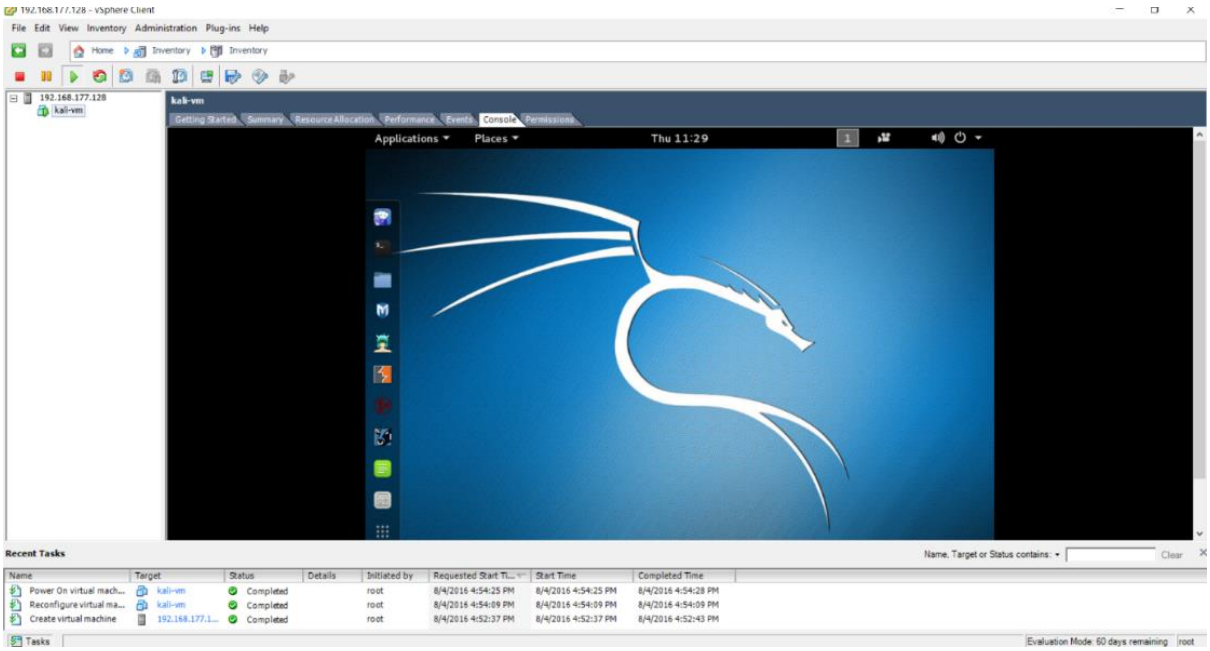
Step 18: Power on the virtual machine.



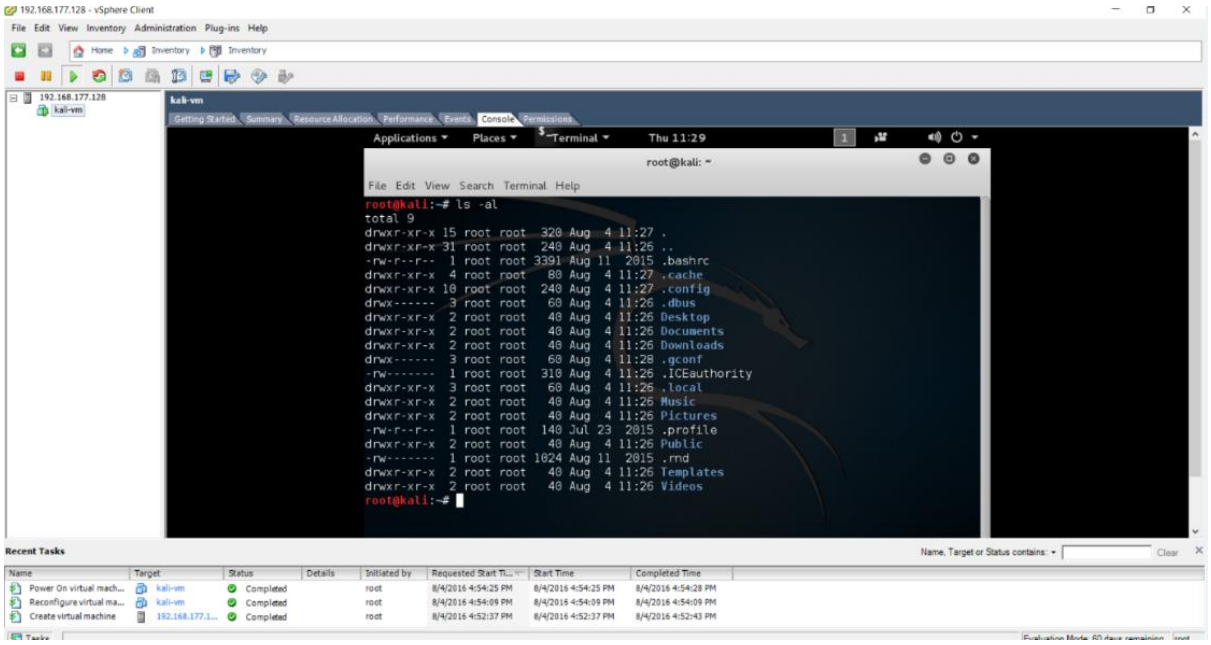
Step 19: Go to the ‘Console’ tab and choose ‘Live (amd64)’.

Press ‘Enter’ to start installing ‘Kali’ on the created virtual machine.



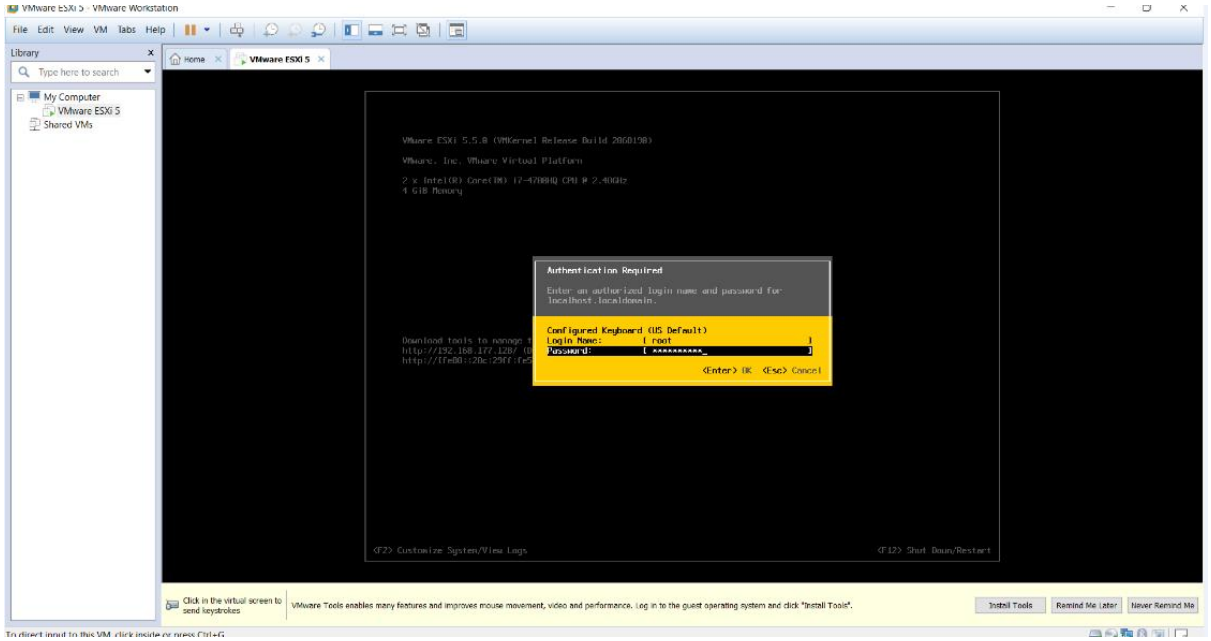


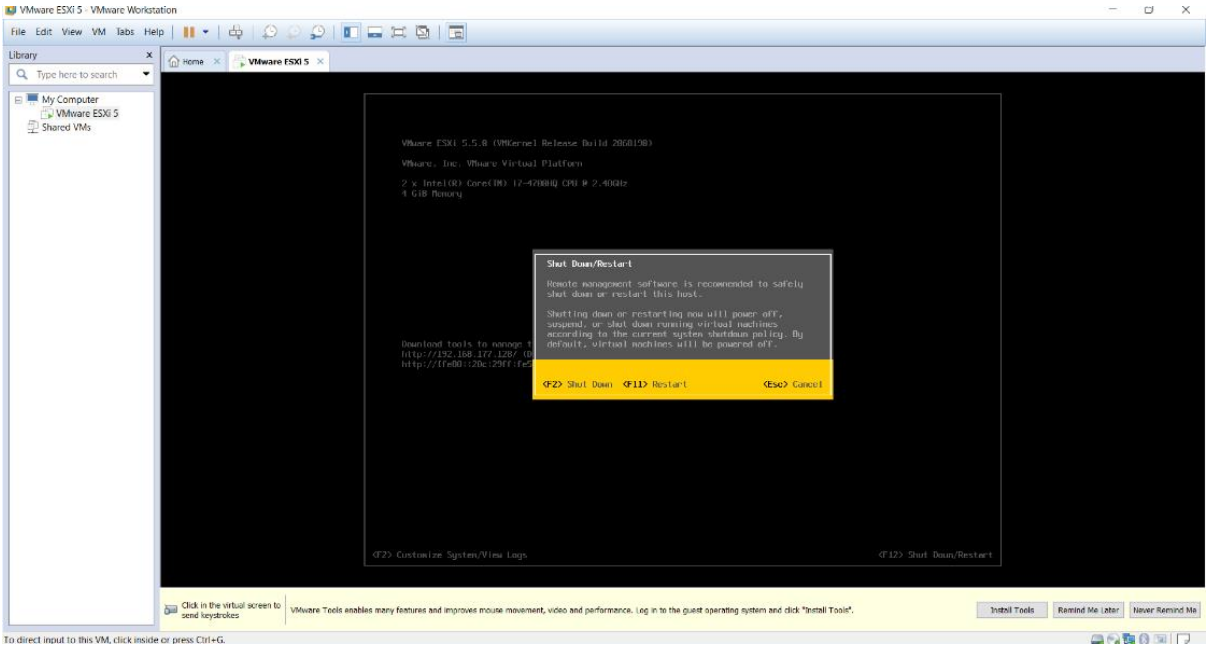
Step 20: Open the terminal and type commands to check functioning.

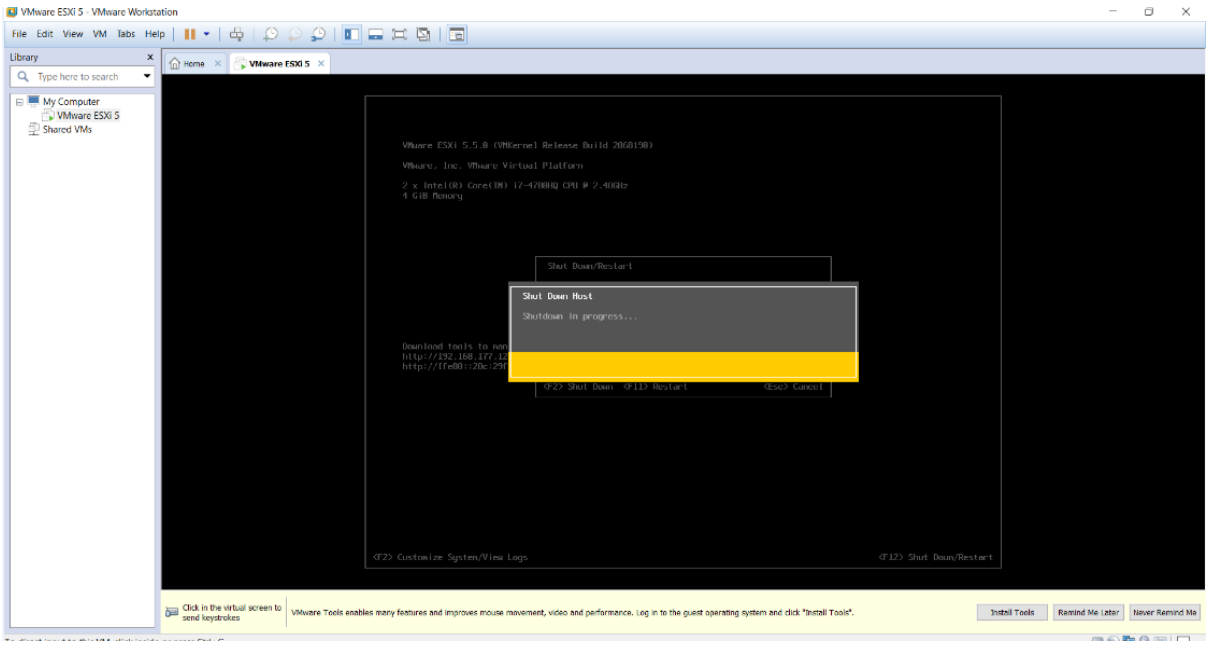


Step 21: Power off ‘Kali’.

Shut Down ‘ESXi’.




VMware ESXi 5 - VMware Workstation
File Edit View VM Tabs Help
Library
Type here to search
My Computer
VMware ESXi 5
Shared VMs
Home
VMware ESXi 5
VMware ESXi 5.5.0 (VMkernel Release Build 2068190)
VMware, Inc. VMware Virtual Platform
2 x Intel(R) Core(TM) i7-4700HQ CPU @ 2.40GHz
1 GiB Memory
Shut Down/Restart
Remote management software is recommended to safely shut down or restart this host.
Shutting down or restarting now will power off, suspend, or shut down running virtual machines according to the current system shutdown policy. By default, virtual machines will be powered off.
<F2> Shut Down <F11> Restart <Esc> Cancel
<F2> Customize System/View Logs
<F12> Shut Down/Restart
Click in the virtual screen to send keystrokes
VMware Tools enables many features and improves mouse movement, video and performance. Log in to the guest operating system and click "Install Tools".
Install Tools
Remind Me Later
Never Remind Me
To direct input to this VM, click inside or press Ctrl+G.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2 x Intel(R) Core(TM) i7-4700HQ CPU @ 2.40GHz
1 GiB Memory
Shut Down/Restart
Shut Down Host
Shutdown in progress...
<F2> Shut Down <F11> Restart <Esc> Cancel
<F2> Customize System/View Logs
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