SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY

**Enterprise Standards and Best Practices for IT Infrastructure**

**4th Year 2nd Semester 2016**

# Creating a Virtual Machine on the Hypervisor


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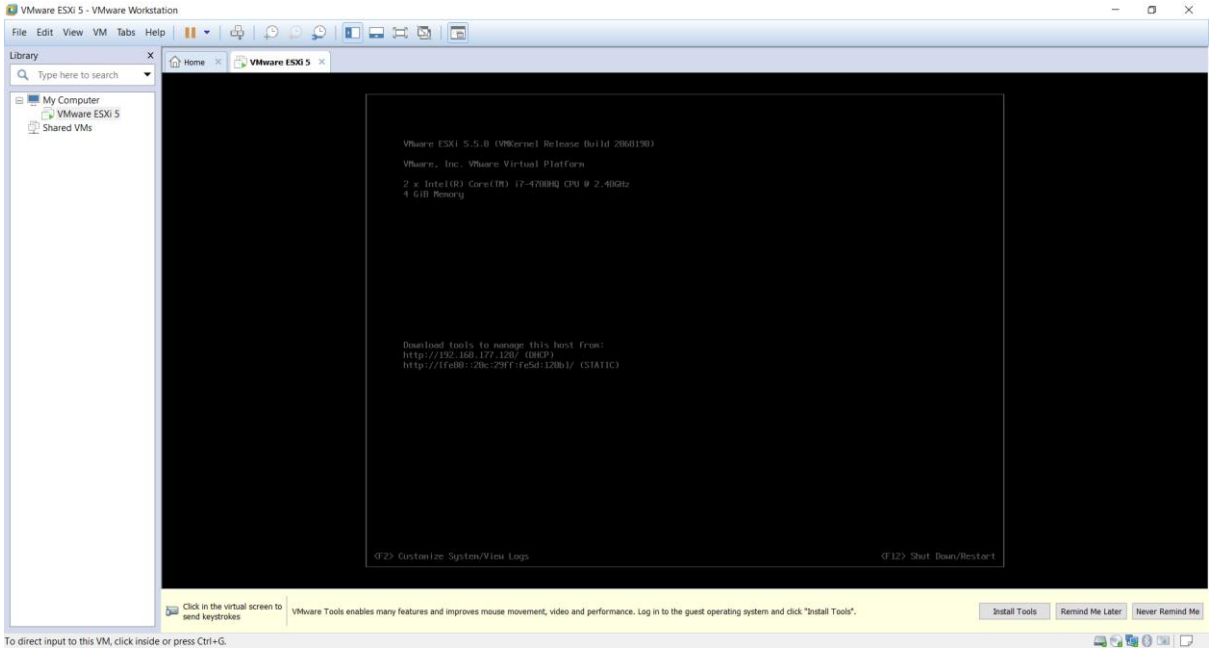
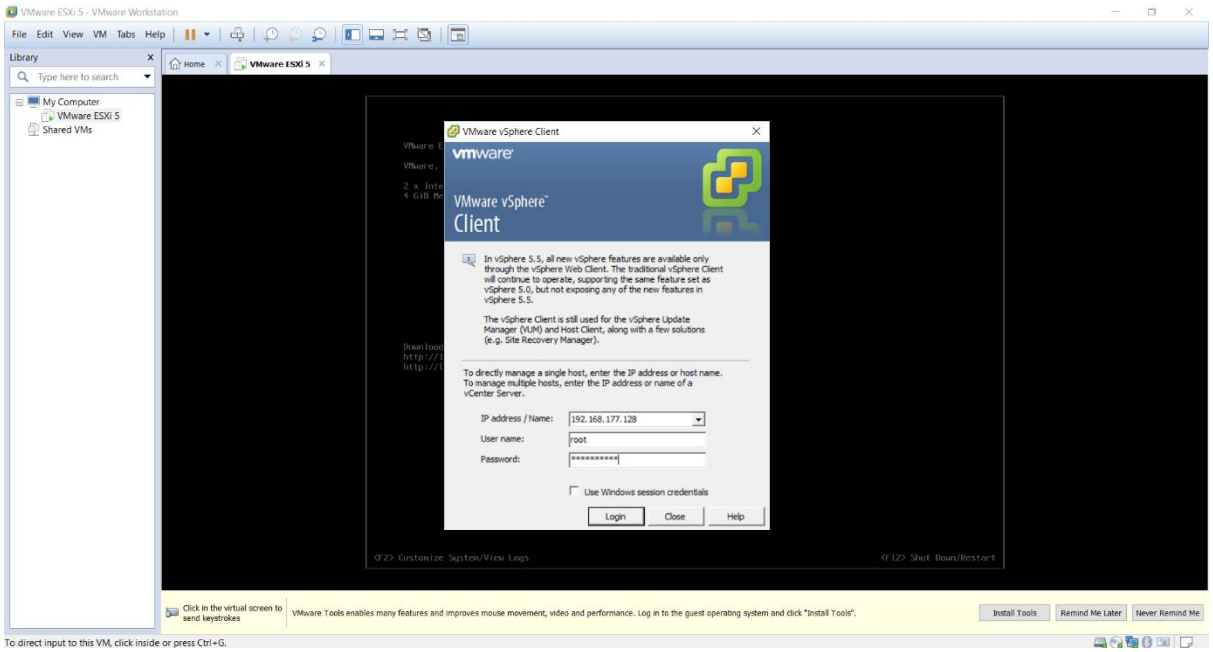
Practical Session: Weekend

# Creating a Virtual Machine on the Hypervisor

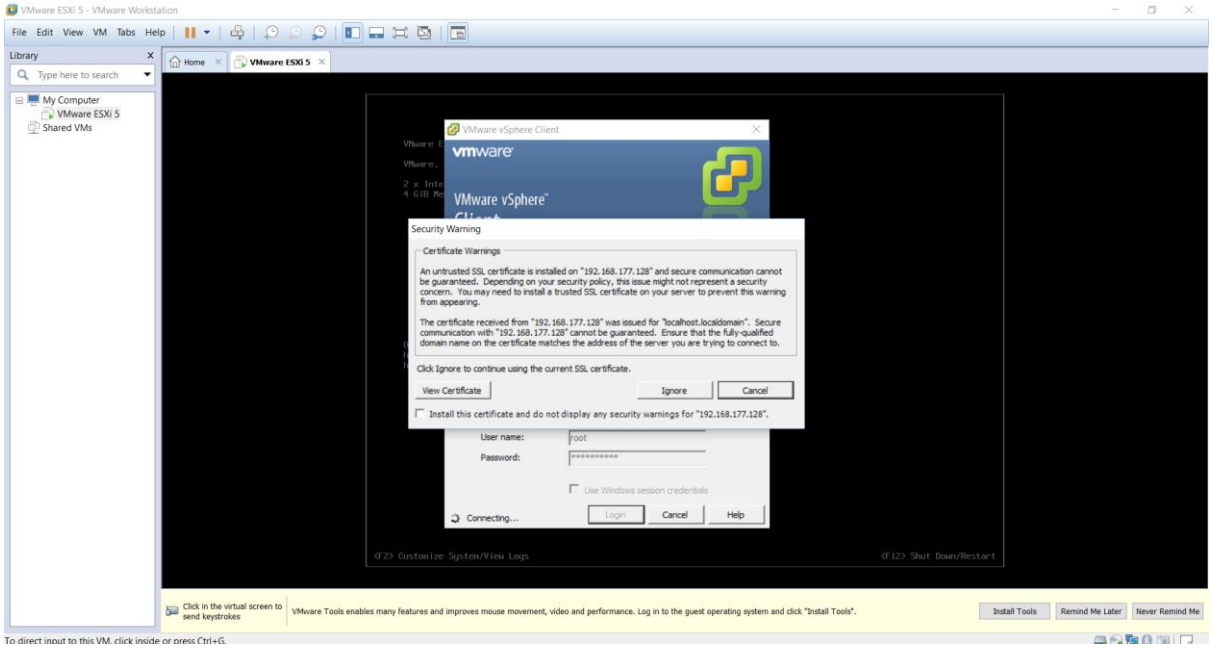
**Step 01:** Power on the ESXi 5 in VMware Workstation.



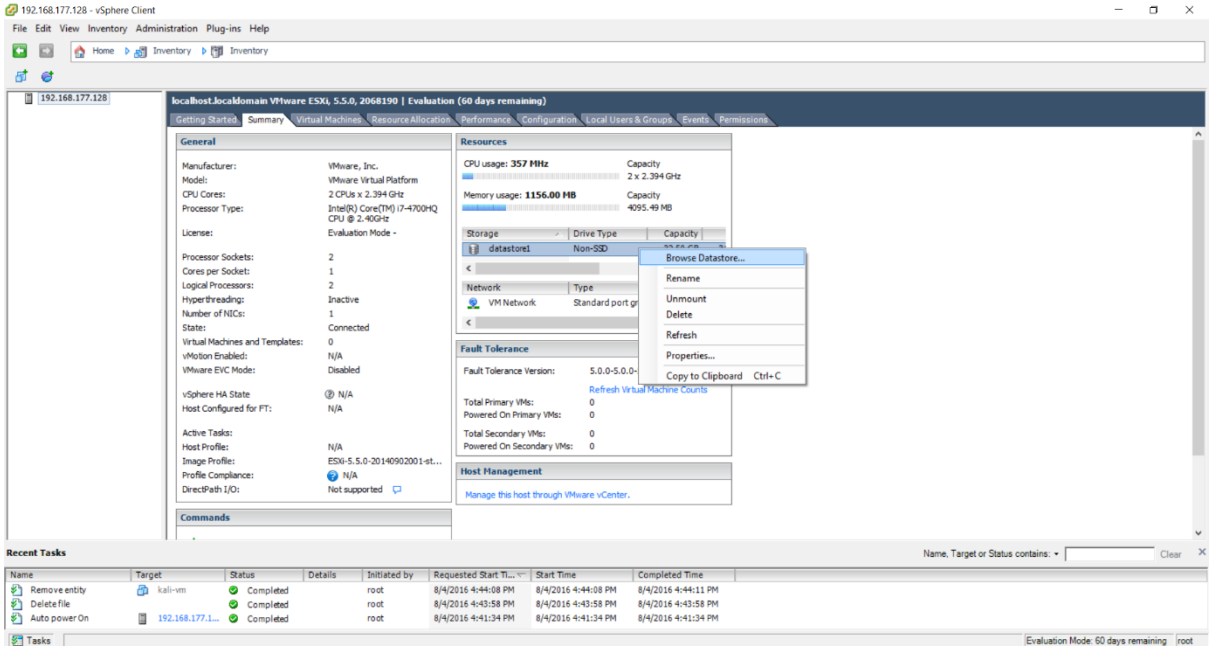

**Step 02:** Install and run the VMware vSphere Client. Configure the IP address of ESXi 5 host, the root username and password. Then click 'Login' to login.



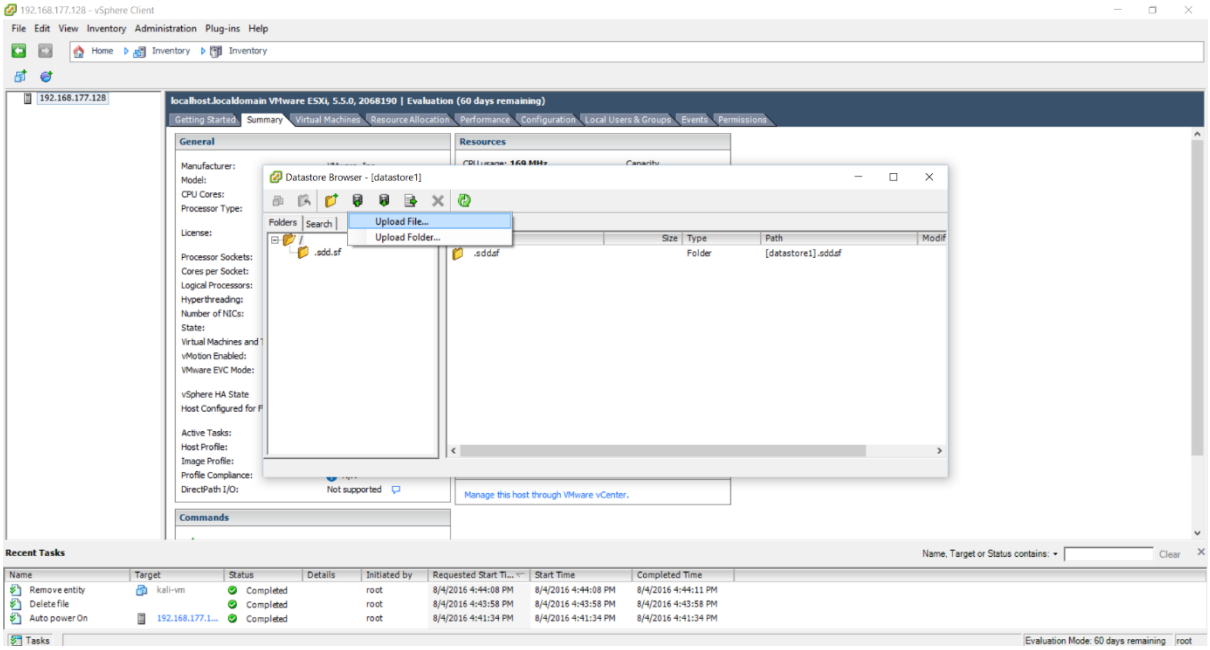
**Step 03:** Click ‘Ignore’ in SSL certificate security warning.



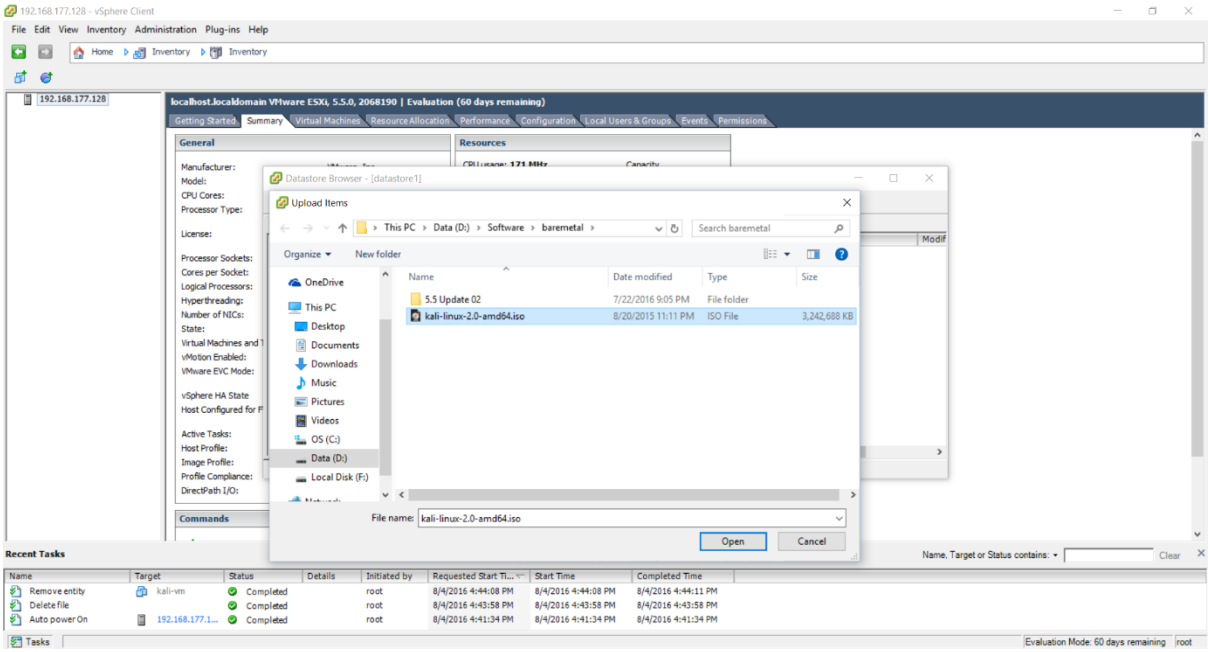

**Step 04:** Navigate to the ‘Summary’ tab and right click on ‘datastore1’ from ‘Storage’ category then choose ‘Browse Datastore...’.

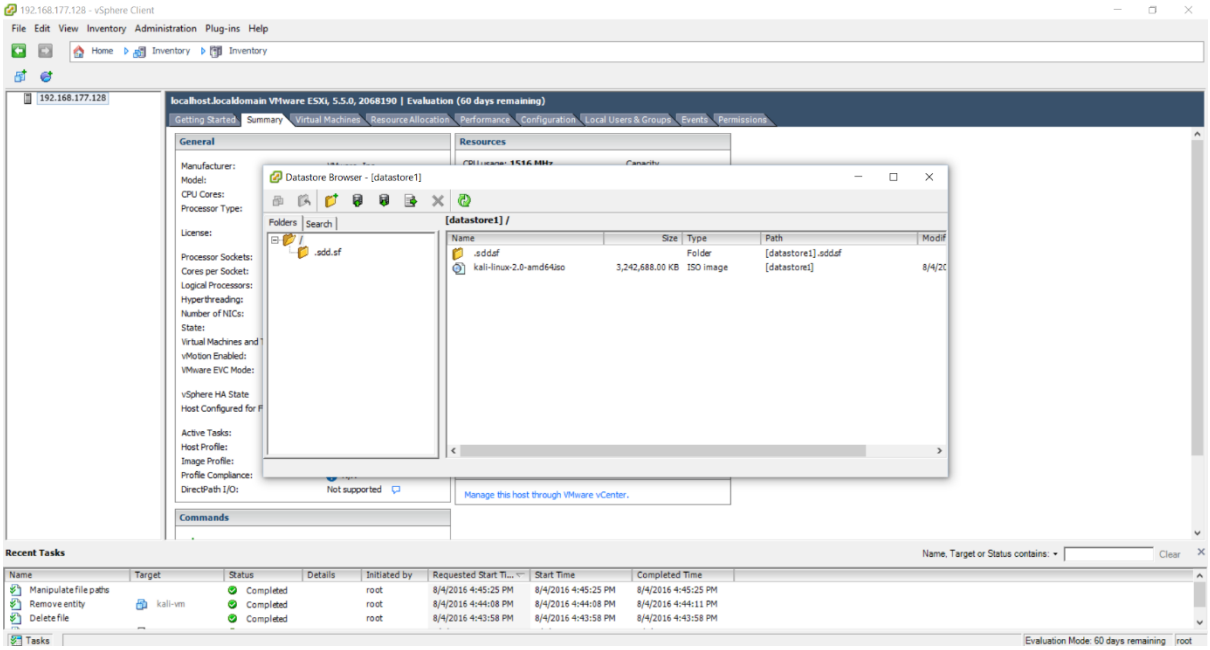


**Step 05:** Select the option ‘Upload File’ from ‘Upload files to this datastore’.

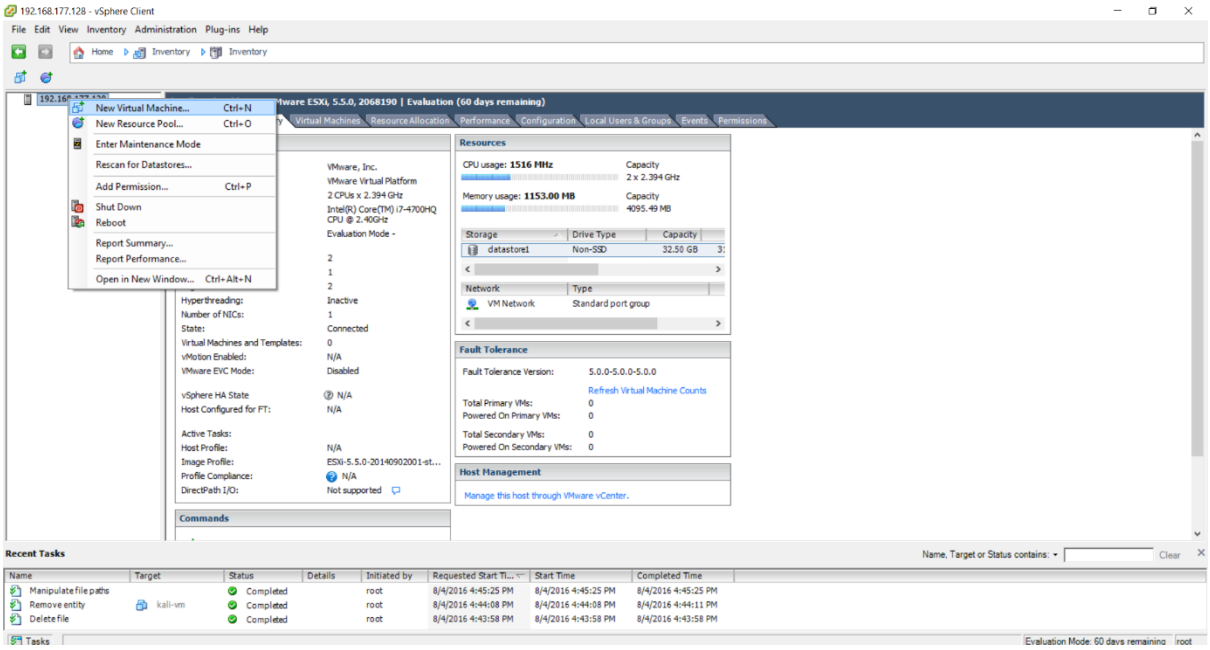



**Step 06:** Browse for the OS file and close the window one uploading is finished.

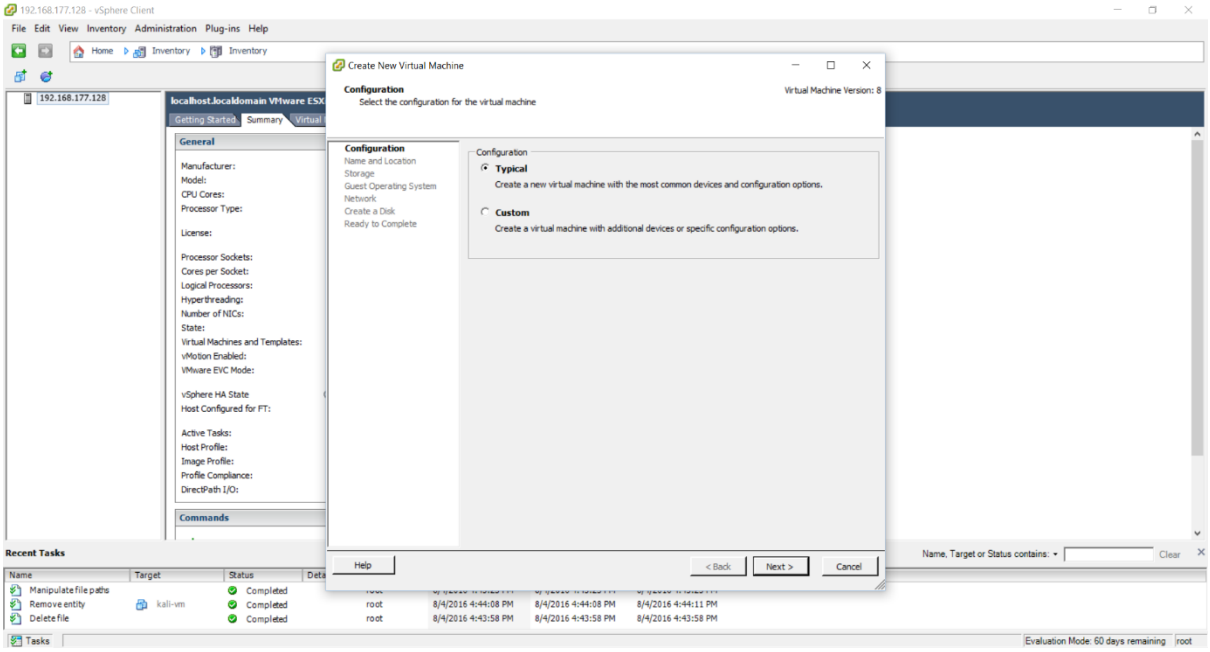




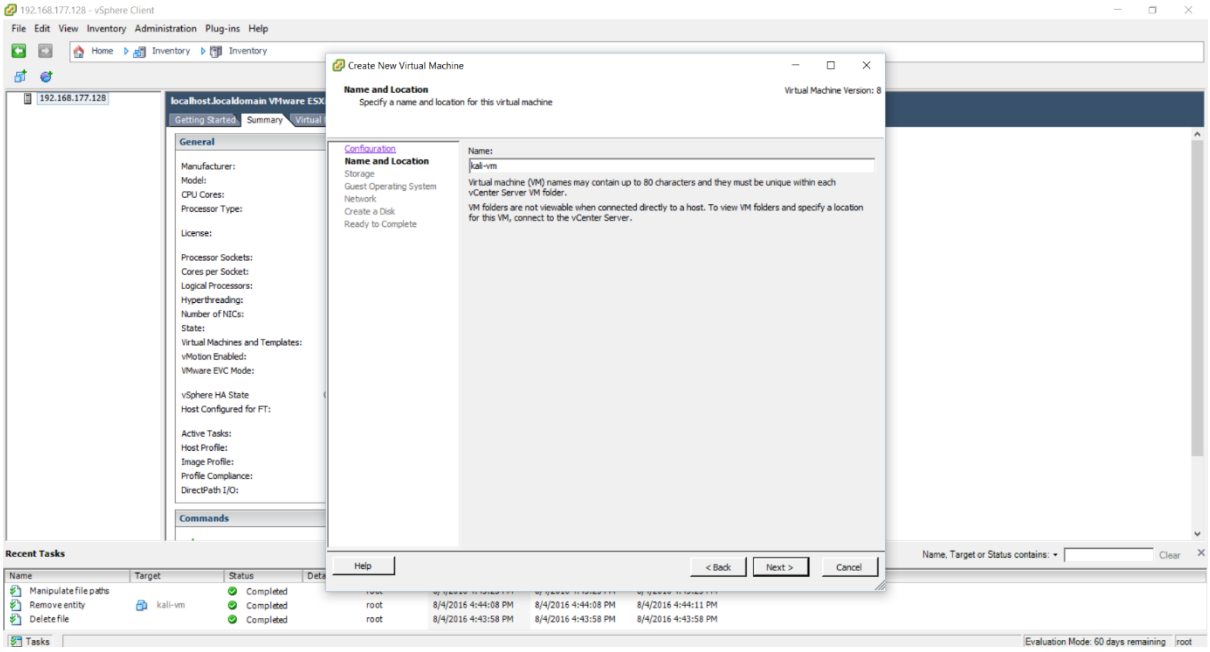

**Step 07:** Right click on the host and click on ‘New Virtual Machine’.



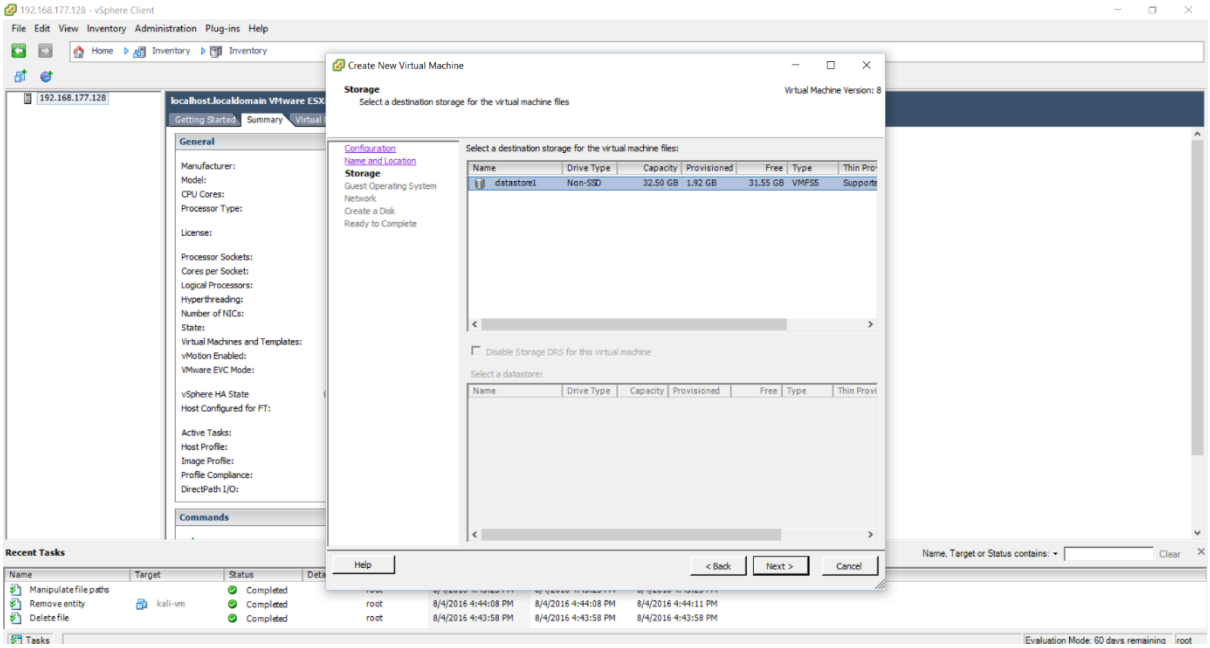
**Step 08:** Select ‘Typical’ Configuration and click ‘Next’ to proceed.



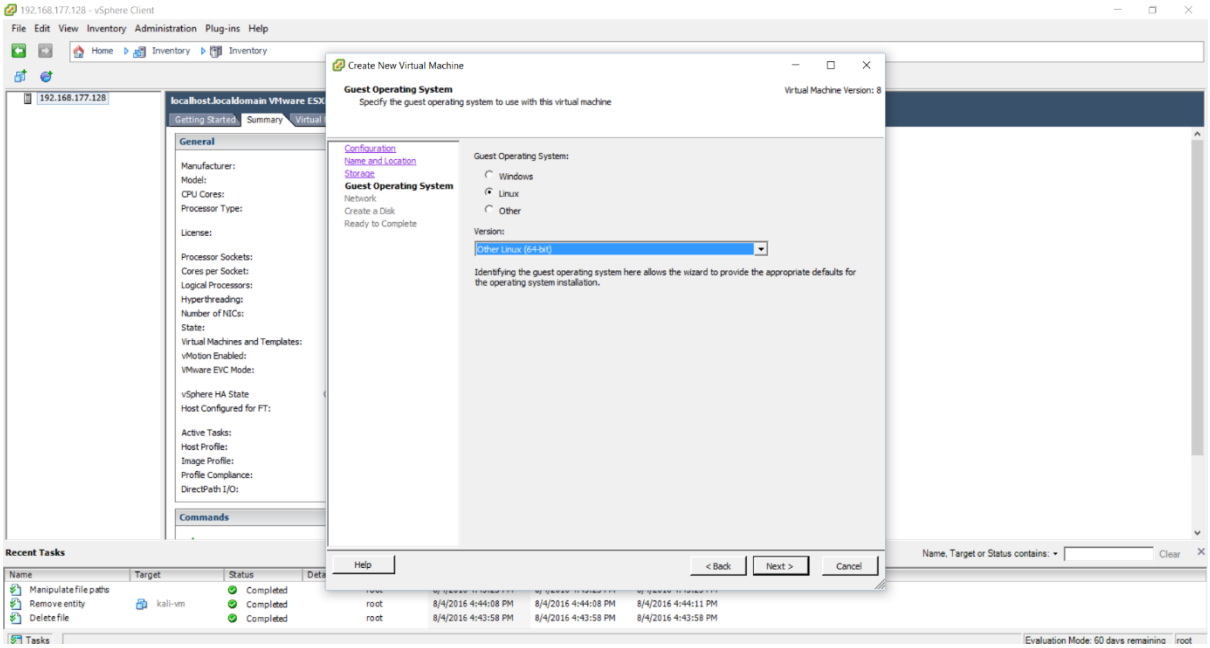

**Step 09:** Name your virtual machine and click ‘Next’.



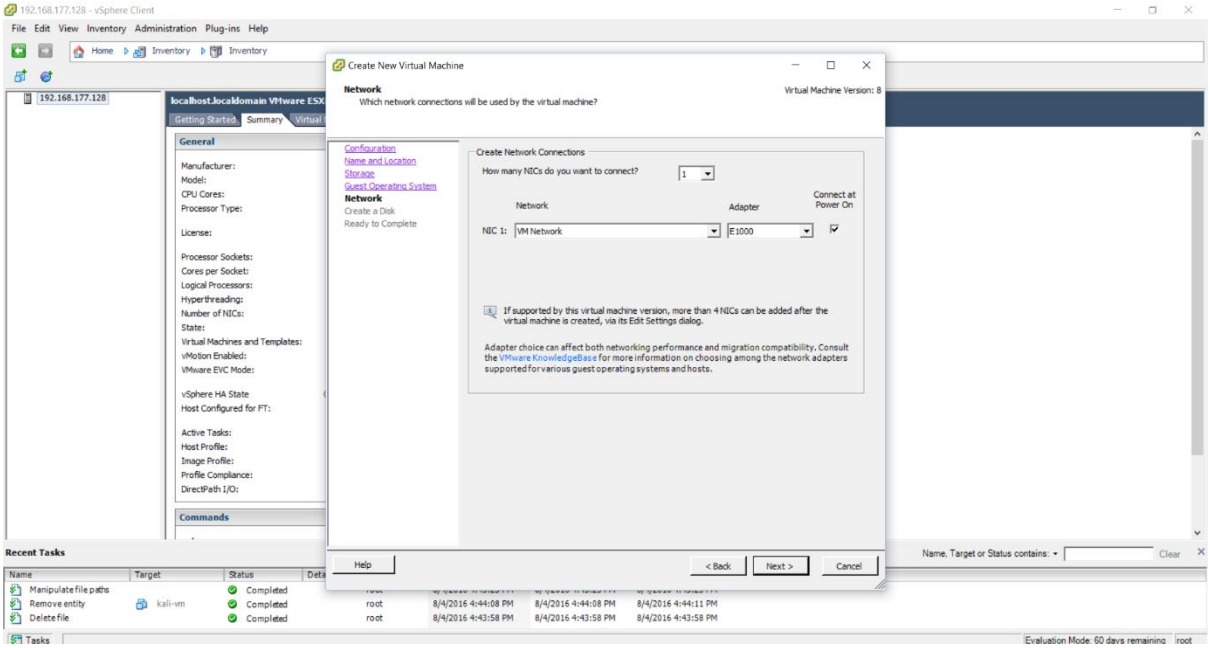
**Step 10:** At ‘Storage’ section click ‘Next’.



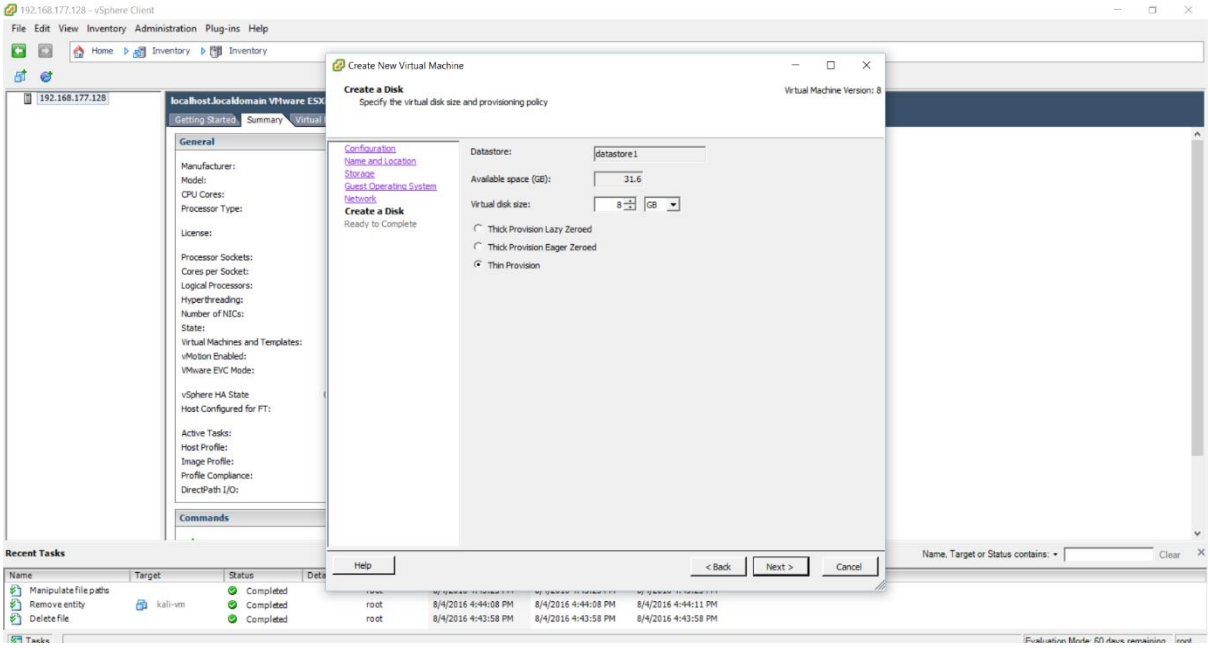

**Step 11:** Select ‘Linux’ then Choose ‘Other Linux (64-bit)’ and click ‘Next’.



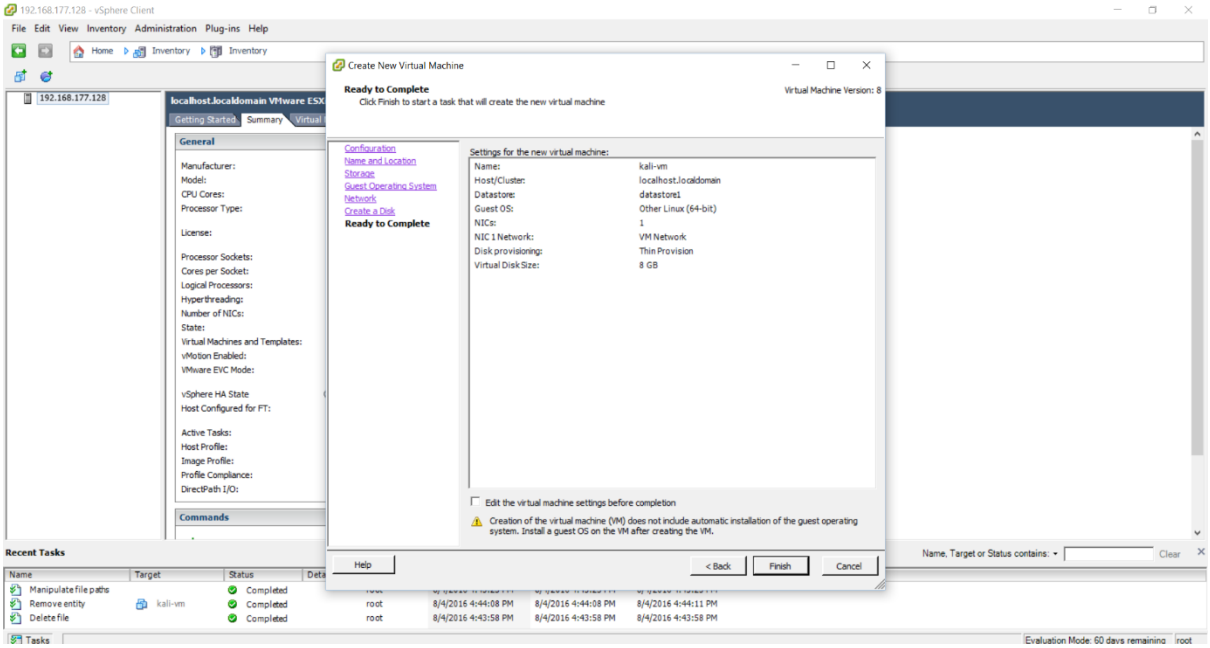
**Step 12:** Click ‘Next’ on ‘Network’ section.



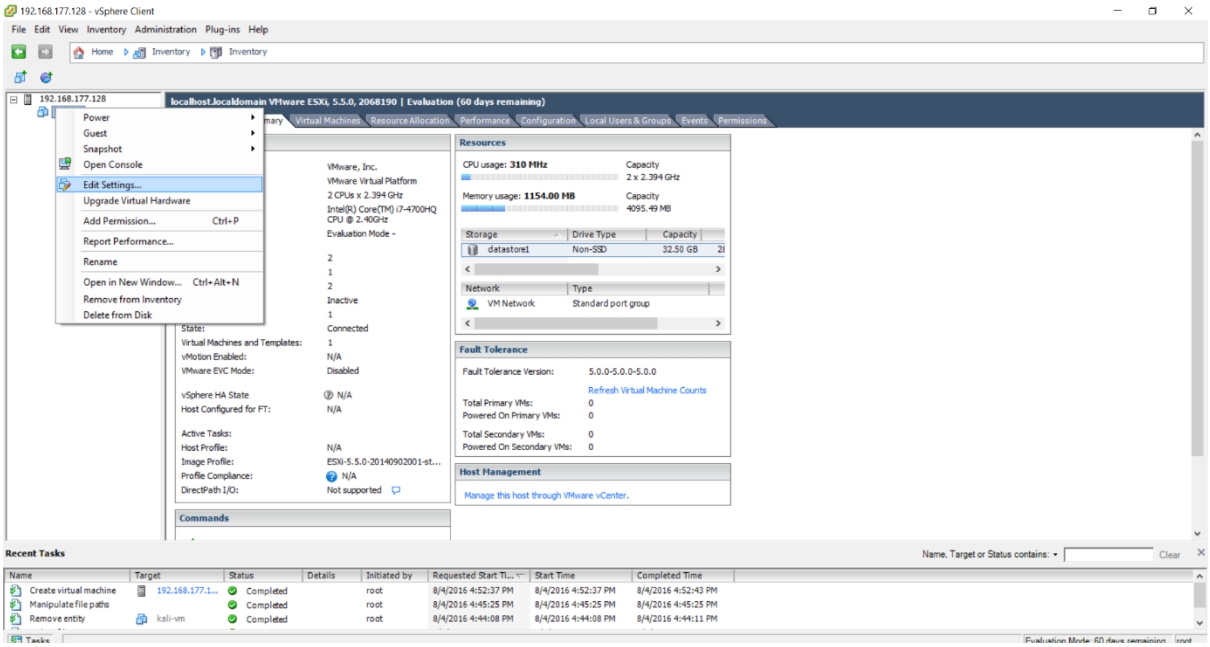

**Step 13:** At ‘Create a Disk’ select ‘Thin Provision’.



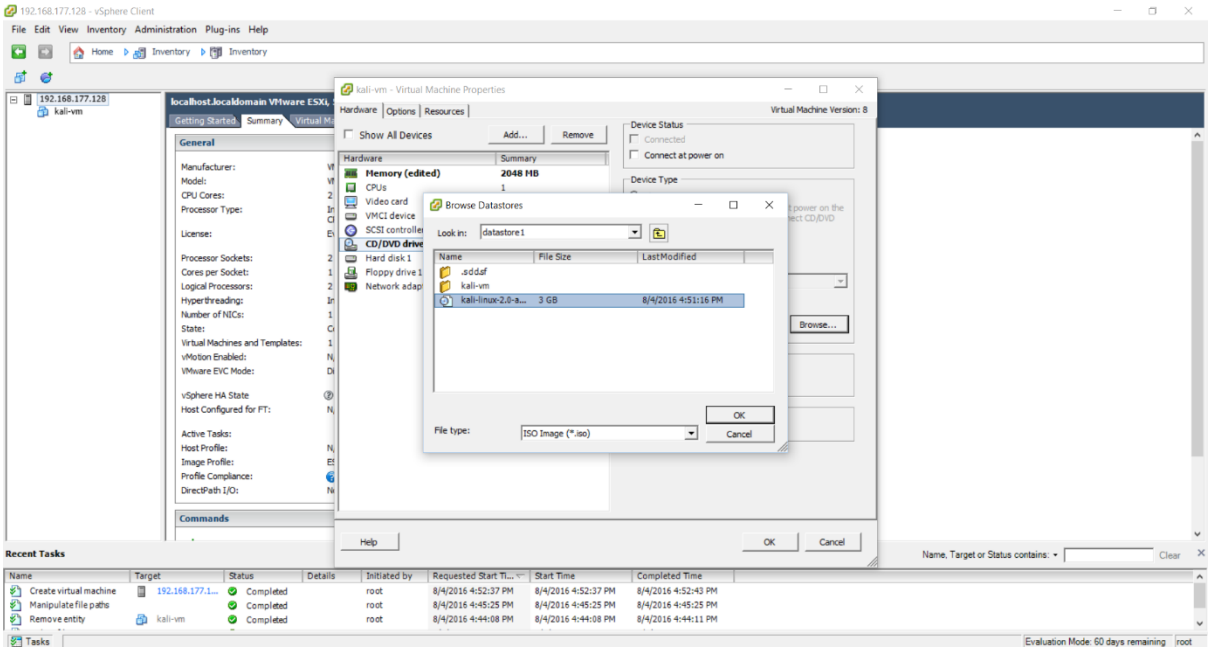
**Step 14:** Click on ‘Finish’.



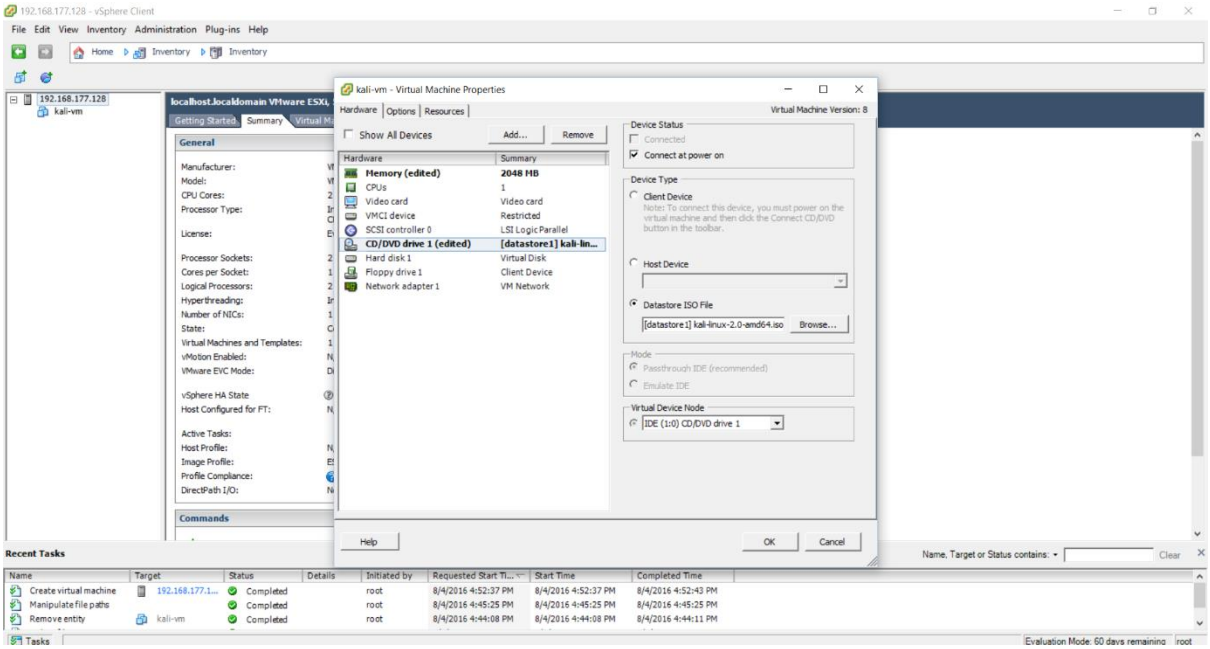

**Step 15:** Edit Settings of the created virtual machine.



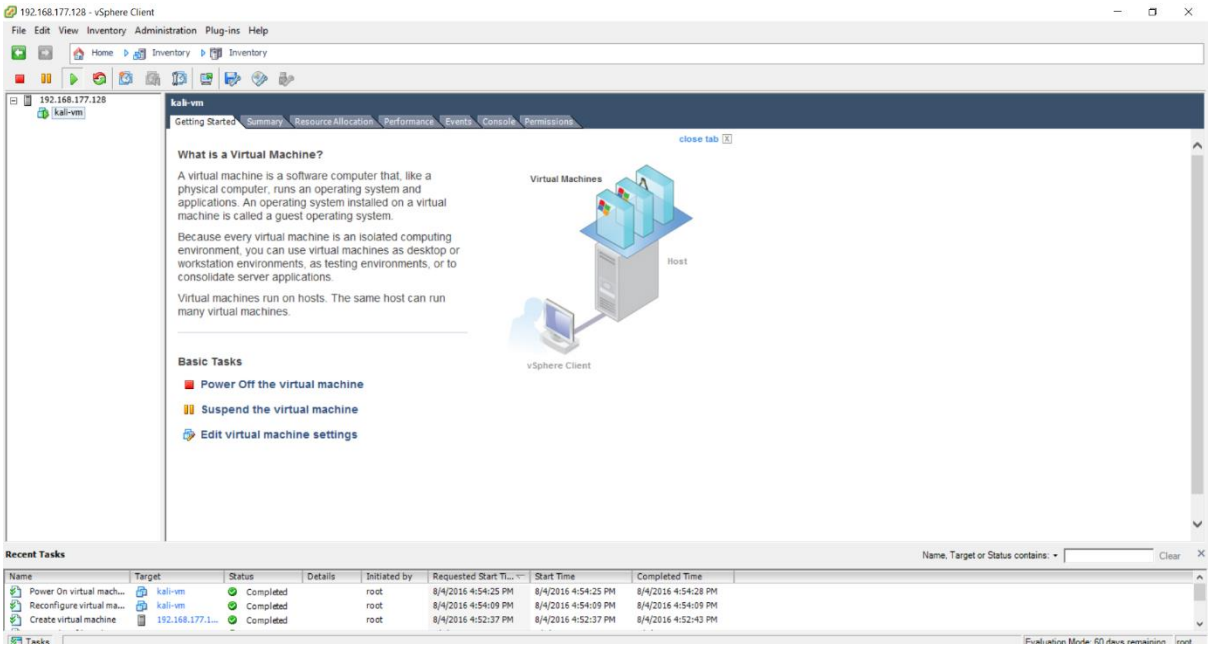
**Step 16:** Configure the memory size to be 2048 MB. Select ‘CD/DVD drive 1’ and choose ‘Datastore ISO File’ and browse for the OS file from datastore.



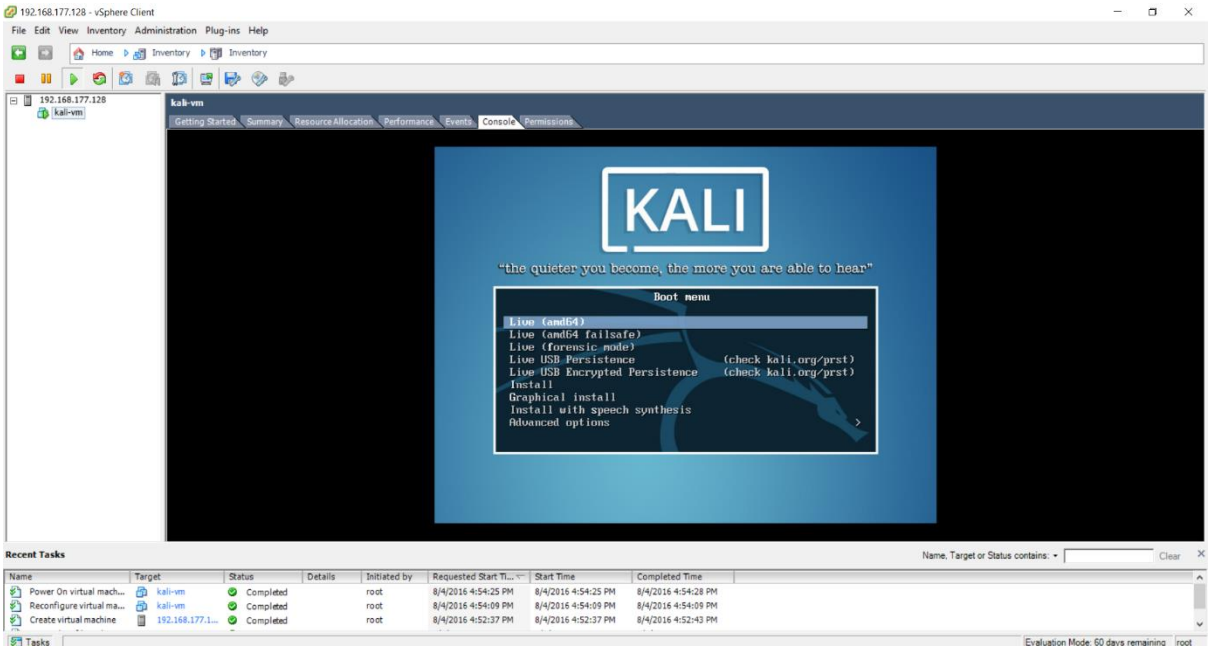

**Step 17:** Choose ‘Connect at power on’ and click ‘OK’.



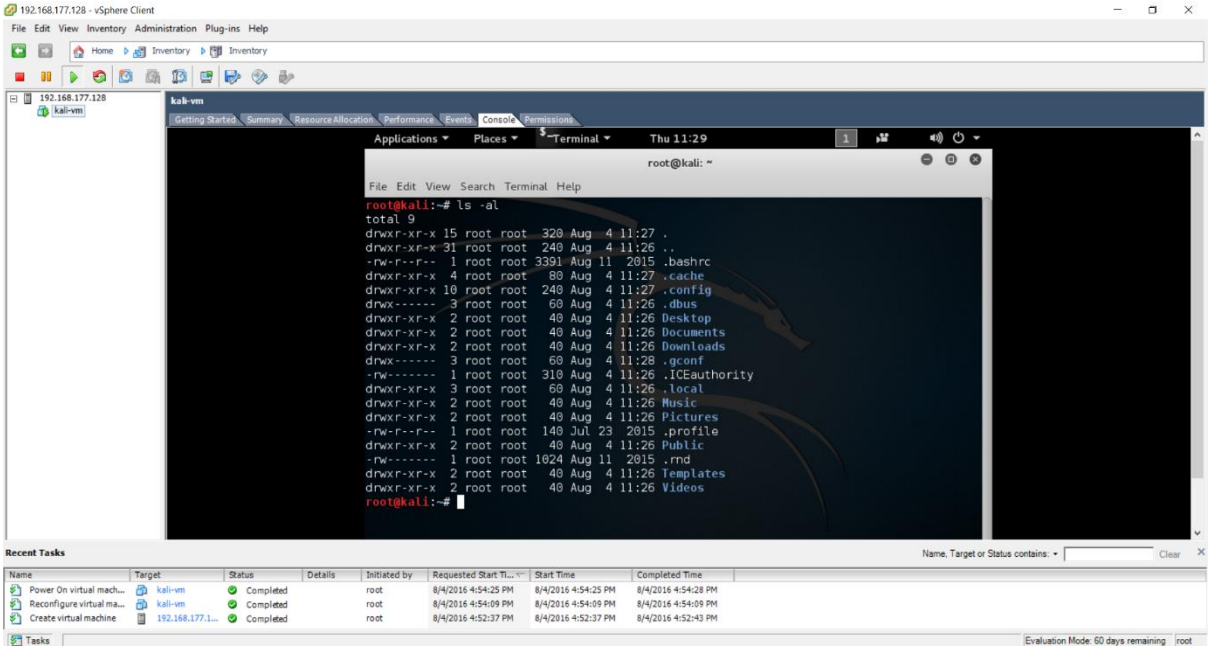
**Step 18:** Boot the virtual machine.



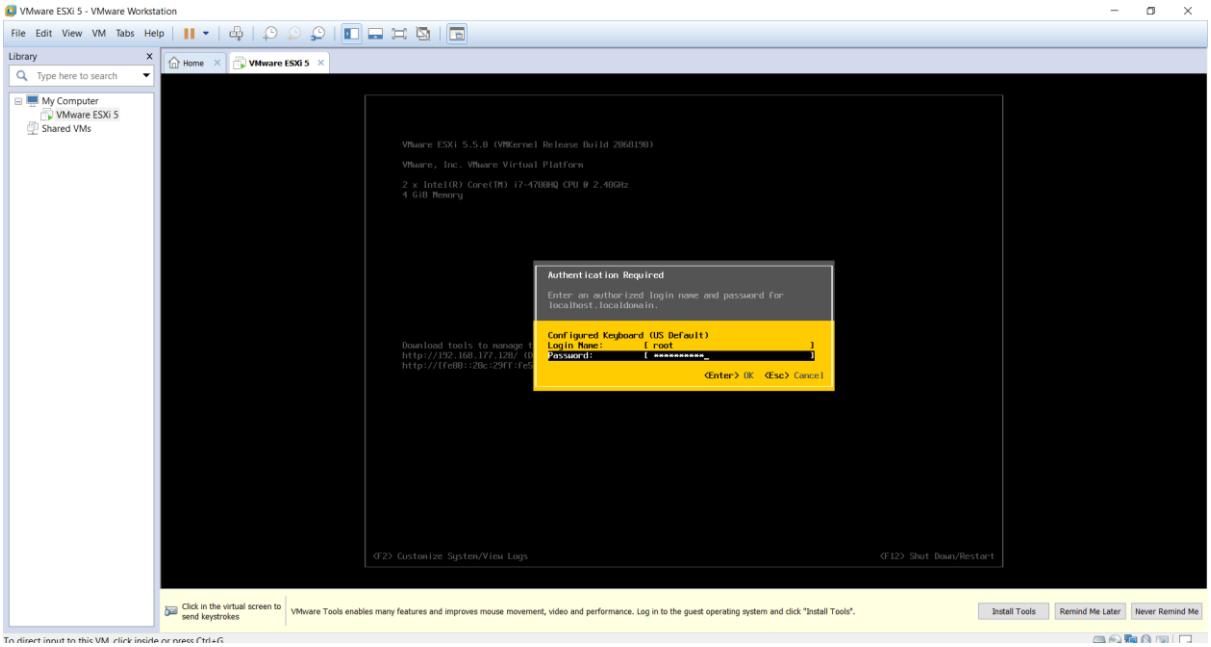

**Step 19:** Go to the ‘Console’ tab and choose ‘Live (amd64)’ and press ‘Enter’ to start installing the OS in the virtual machine. Here Kali OS is used.

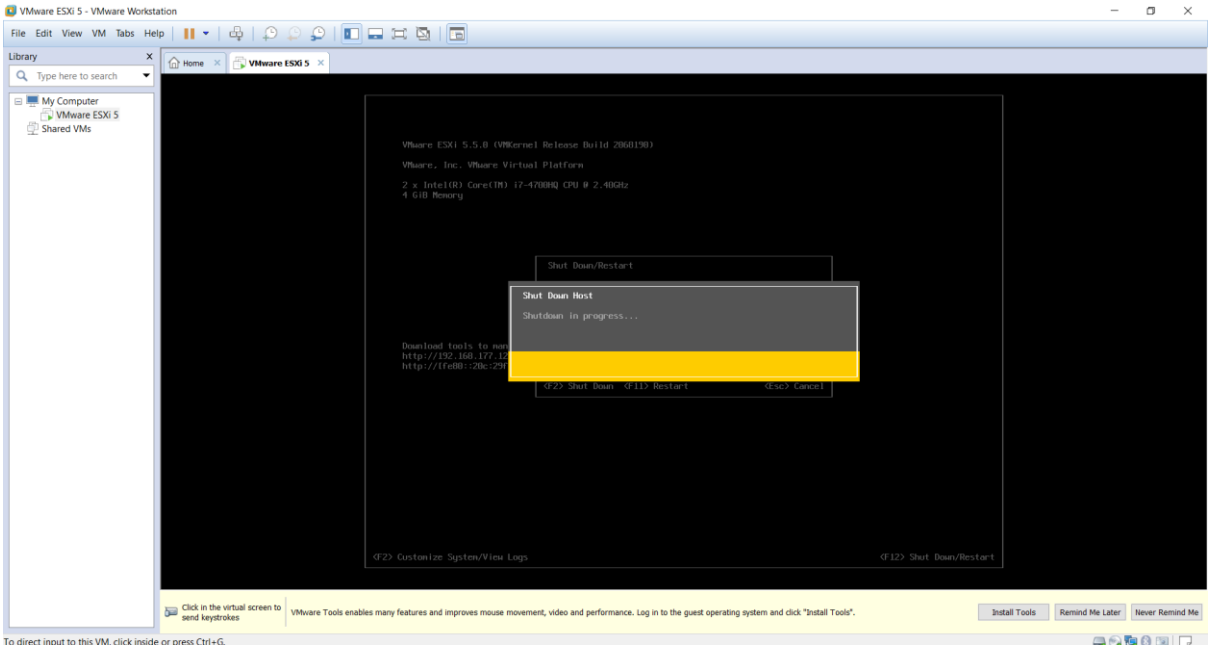


**Step 20:** type the below command in a terminal to check the operational state.




**Step 21:** Power off ‘Kali’ and shut down ‘ESXi’ to finish the installation.




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
4 GiB Memory
Shut Down/Restart
Shut Down Host
Shutdown in progress...
<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.