Enterprise Standards and Best Practices for IT Infrastructure

Lab Report
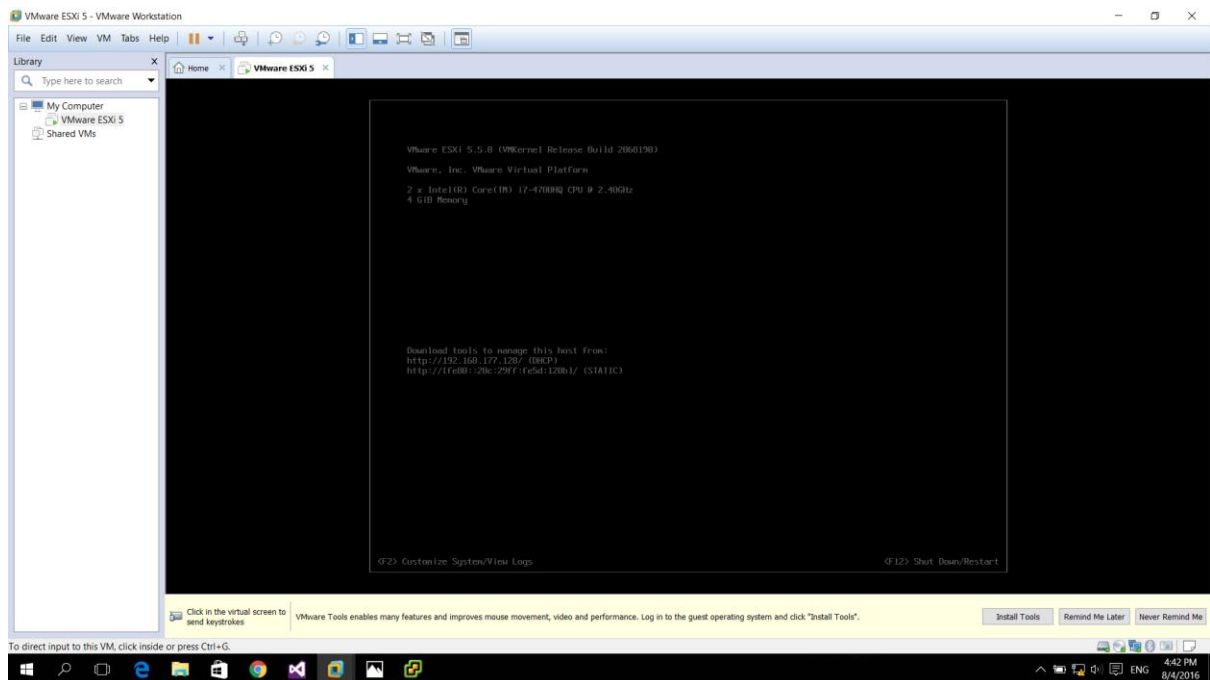
Lab 05 – Creating a Virtual Machine on the Hypervisor

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Specialized in Information Technology
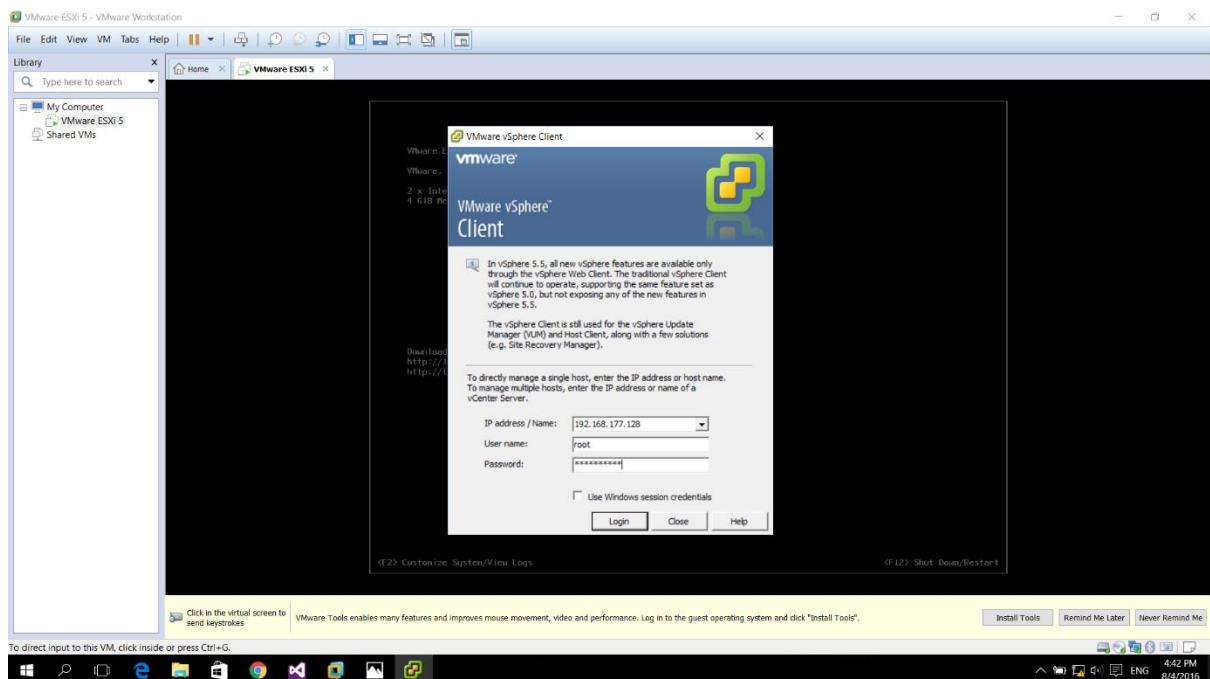
Creating a Virtual Machine on the Hypervisor

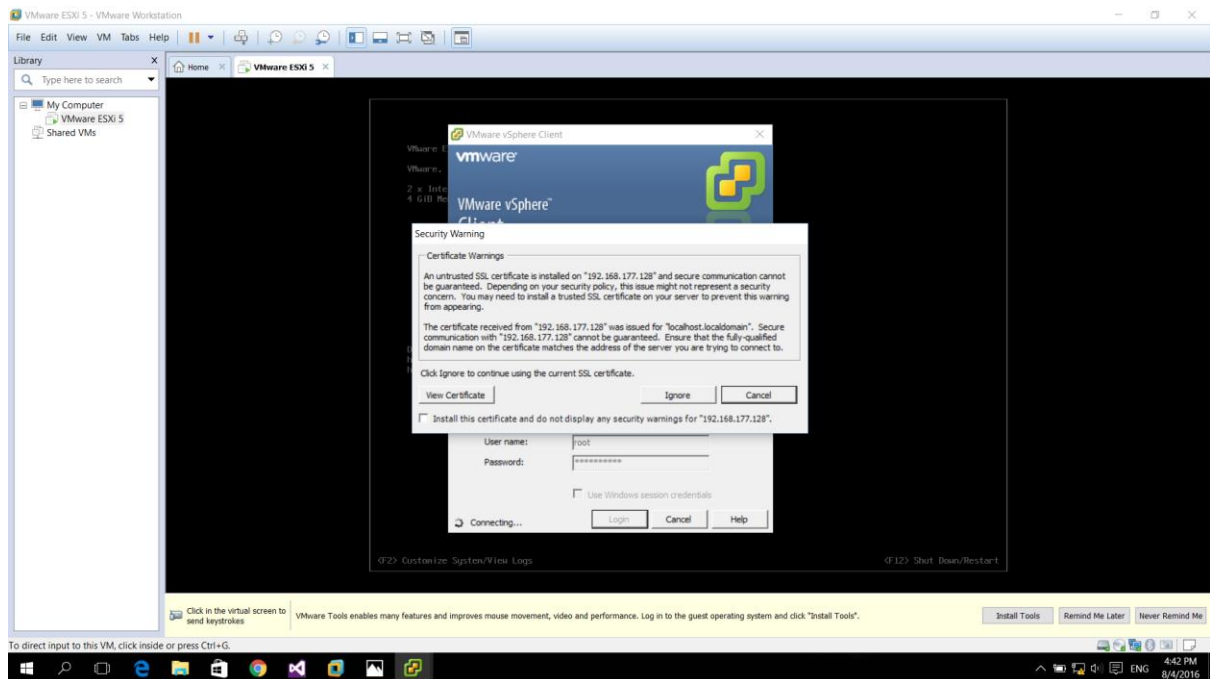Step 01: Power on ESXi 5 from VMware Workstation.

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

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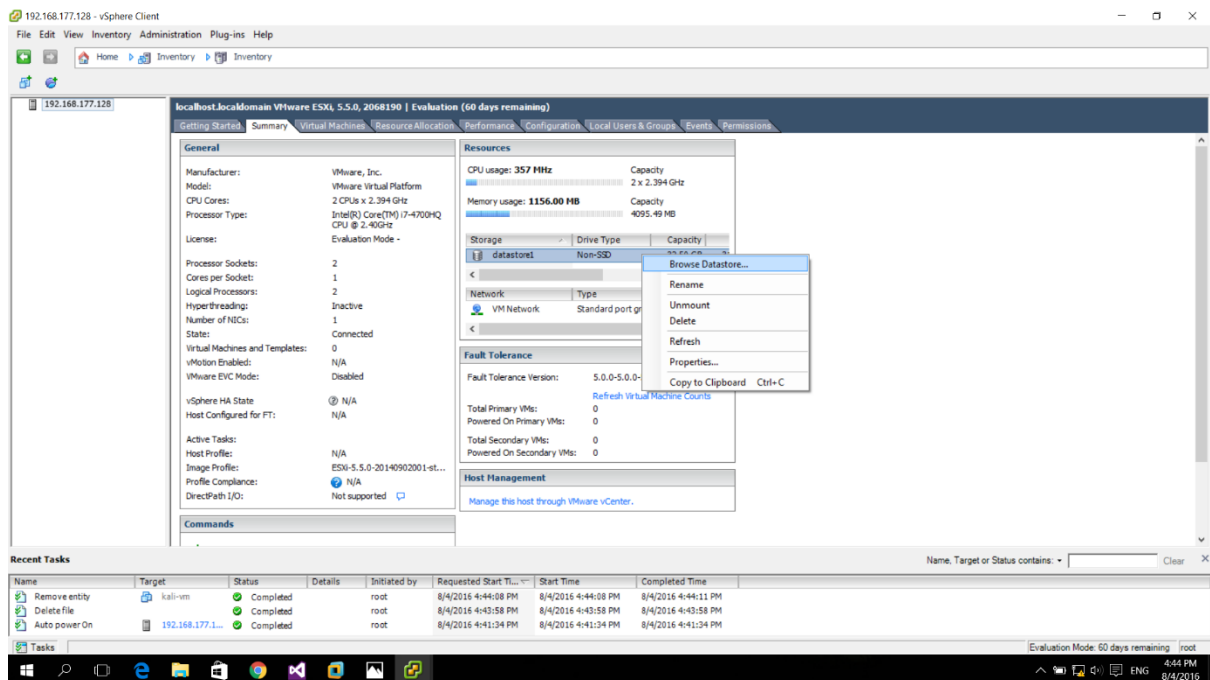
    Click 'Login'.

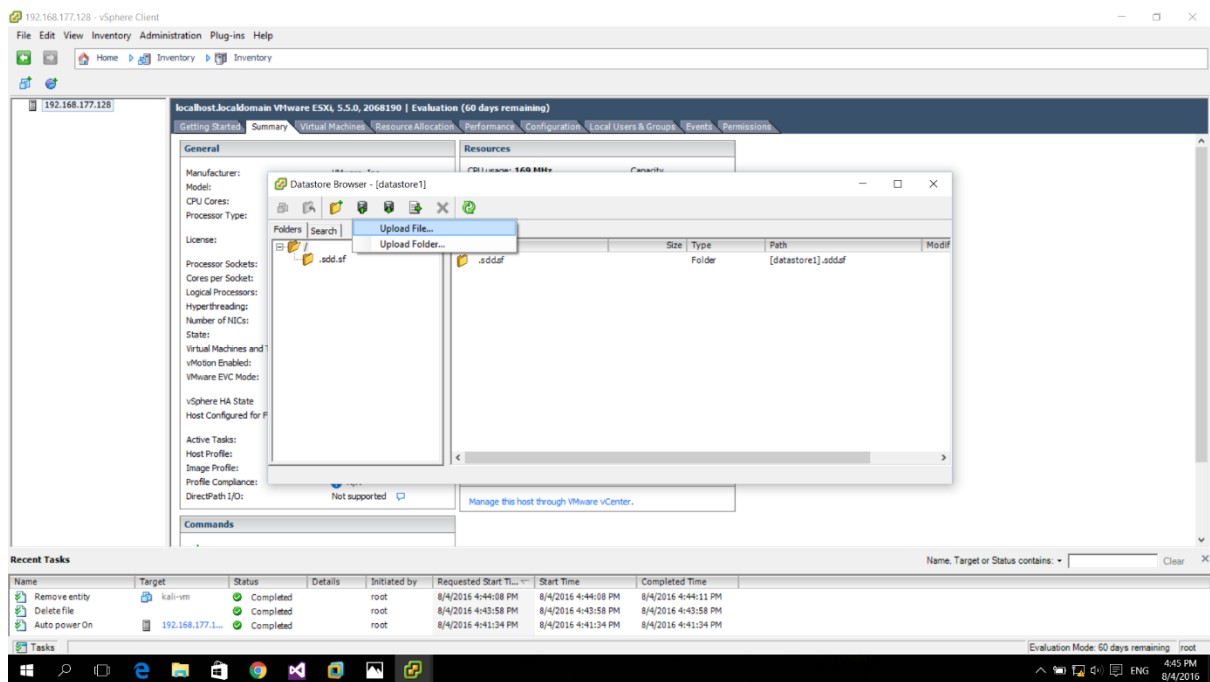Step 03: Ignore the SSL certificate security warning.

Step 04: Go to the 'Summary' tab.

Right click on 'datastore1' from 'Storage' category and choose 'Browse Datastore...'
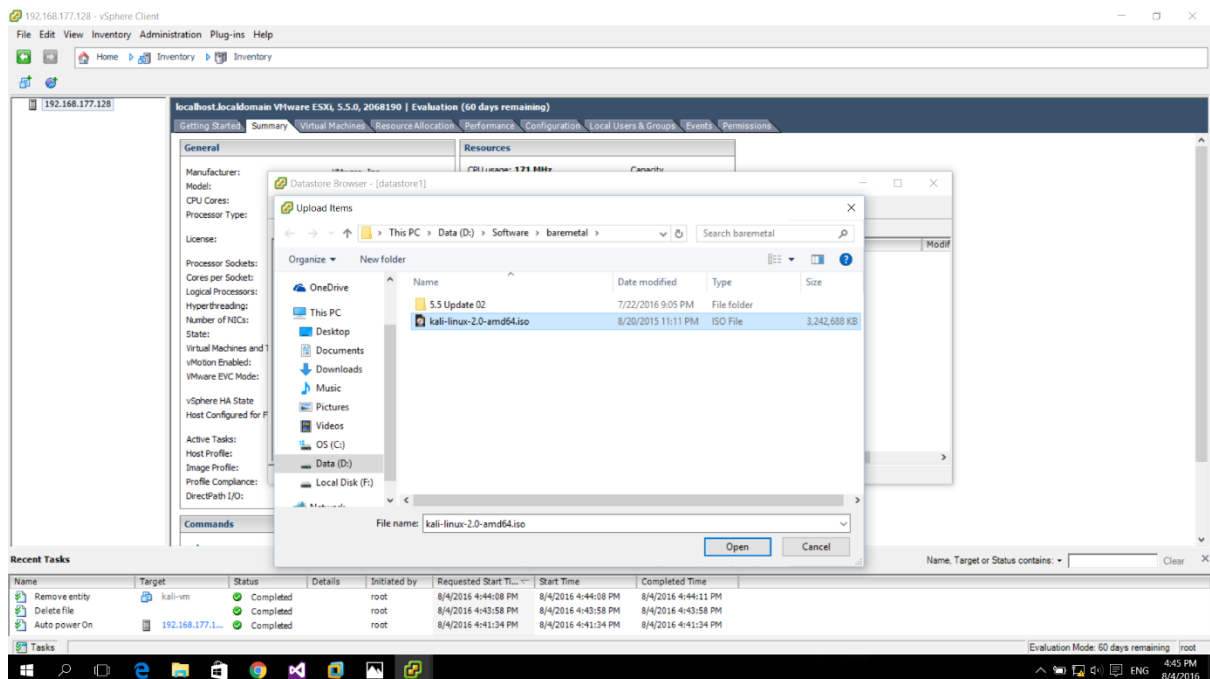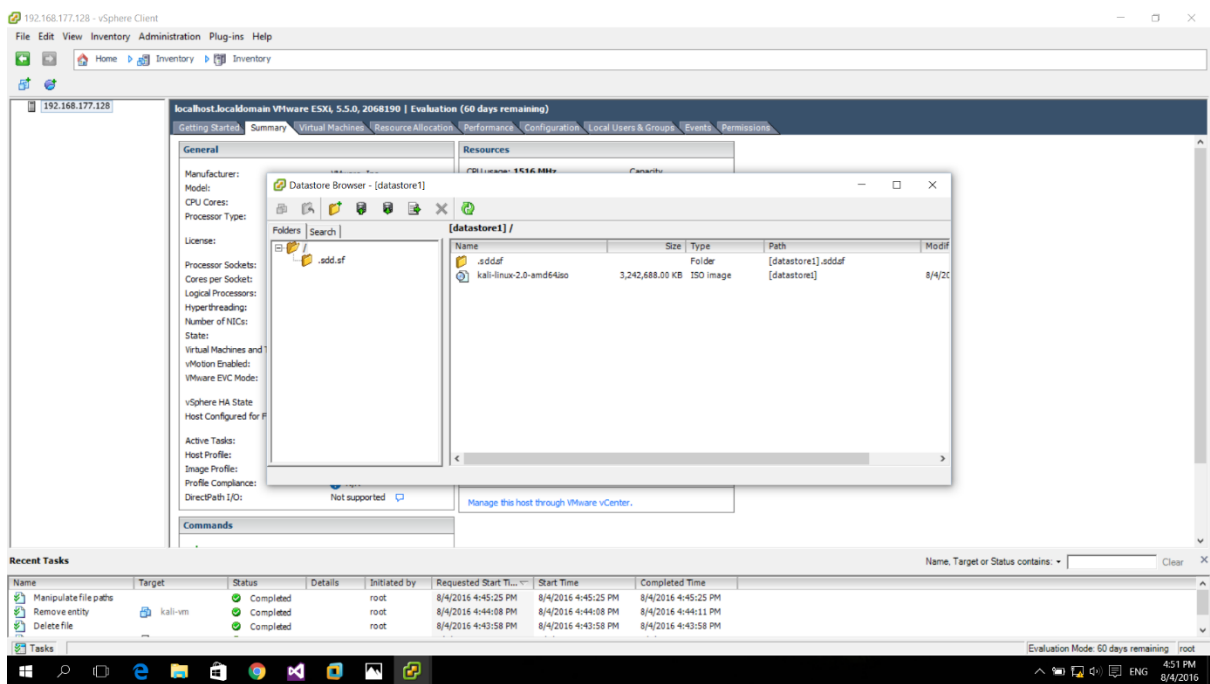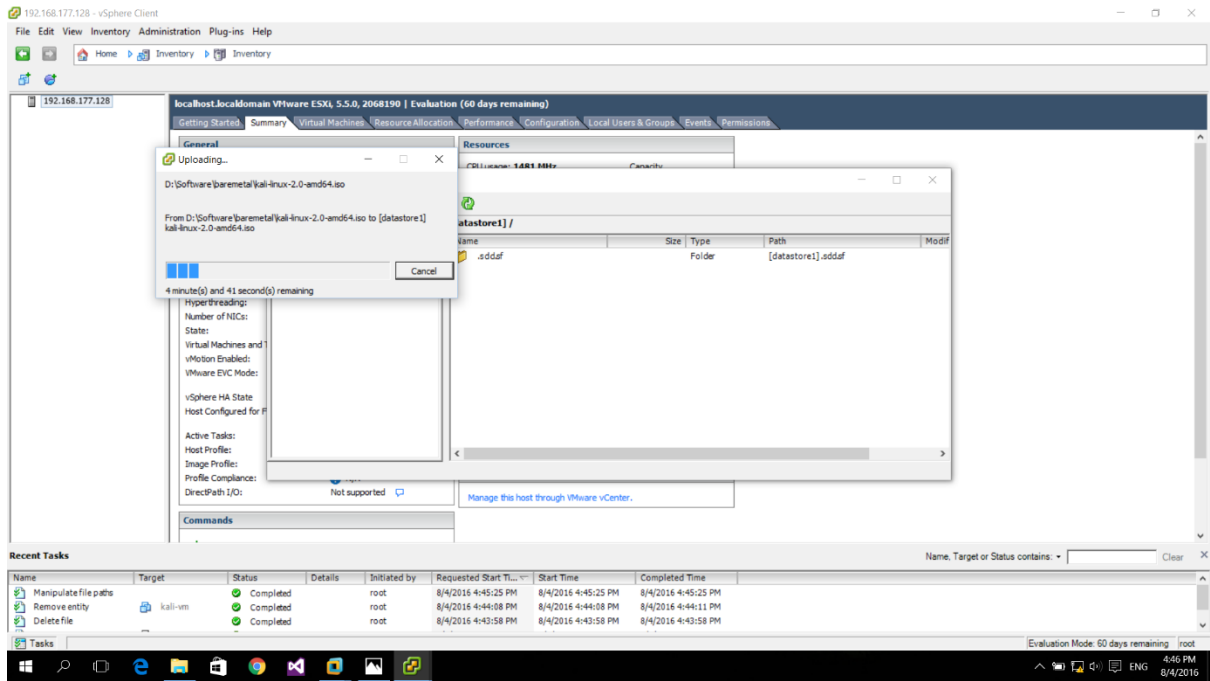
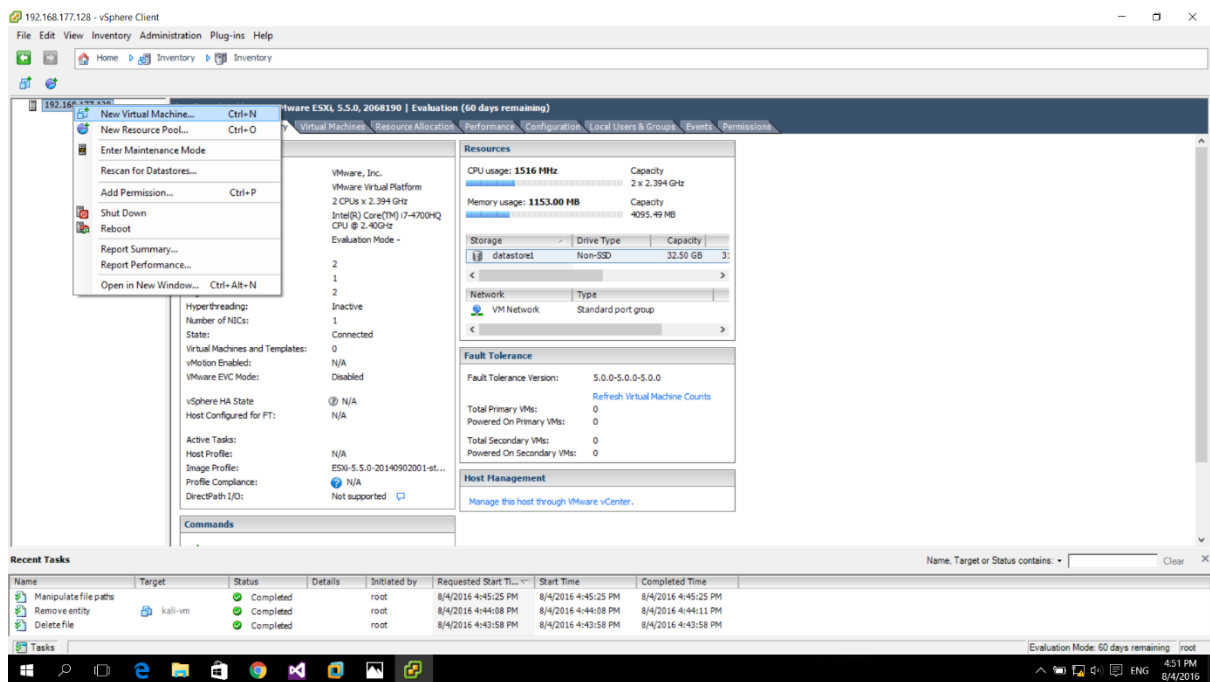Step 05: Choose 'Upload File' from 'Upload files to this datastore' icon.

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

Then close the window after uploading is finished.

Screenshot 1:

192.168.177.128 - vSphere Client

File   Edit   View   Inventory   Administration   Plug-ins   Help

Home ▷ Inventory ▷ Inventory

192.168.177.128

localhost.localdomain VMware ESXi, 5.5.0, 2068190 | Evaluation (60 days remaining)

Getting Started   Summary   Virtual Machines   Resource Allocation   Performance   Configuration   Local Users & Groups   Events   Permissions

General

Resources

CPU usage: 1481 MHz   Capacity

Uploading...

D:\Software\baremetal\kali-linux-2.0-amd64.iso

From D:\Software\baremetal\kali-linux-2.0-amd64.iso to [datastore1]
kali-linux-2.0-amd64.iso

4 minute(s) and 41 second(s) remaining   Cancel

[datastore1] /

Name	Size	Type	Path	Modif
.sddaf		Folder	[datastore1] .sddaf	

Hyperthreading:
Number of NICs:
State:
Virtual Machines and
vMotion Enabled:
VMware EVC Mode:

vSphere HA State
Host Configured for F

Active Tasks:
Host Profile:
Image Profile:
Profile Compliance:
DirectPath I/O: Not supported

Manage this host through VMware vCenter.

Commands

Recent Tasks   Name, Target or Status contains: ▾   Clear

Name	Target	Status	Details	Initiated by	Requested Start Ti...	Start Time	Completed Time
Manipulate file paths		Completed		root	8/4/2016 4:45:25 PM	8/4/2016 4:45:25 PM	8/4/2016 4:45:25 PM
Remove entity	kali-vm	Completed		root	8/4/2016 4:44:08 PM	8/4/2016 4:44:08 PM	8/4/2016 4:44:11 PM
Delete file		Completed		root	8/4/2016 4:43:58 PM	8/4/2016 4:43:58 PM	8/4/2016 4:43:58 PM

Tasks   Evaluation Mode: 60 days remaining   root

4:46 PM
8/4/2016

Screenshot 2:

192.168.177.128 - vSphere Client

File   Edit   View   Inventory   Administration   Plug-ins   Help

Home ▷ Inventory ▷ Inventory

192.168.177.128

localhost.localdomain VMware ESXi, 5.5.0, 2068190 | Evaluation (60 days remaining)

Getting Started   Summary   Virtual Machines   Resource Allocation   Performance   Configuration   Local Users & Groups   Events   Permissions

General

Manufacturer:
Model:
CPU Cores:
Processor Type:

License:

Processor Sockets:
Cores per Socket:
Logical Processors:
Hyperthreading:
Number of NICs:
State:
Virtual Machines and
vMotion Enabled:
VMware EVC Mode:

vSphere HA State
Host Configured for F

Active Tasks:
Host Profile:
Image Profile:
Profile Compliance:
DirectPath I/O: Not supported

Commands

Resources

CPU usage: 1516 MHz   Capacity

Datastore Browser - [datastore1]

Folders   Search

[datastore1] /

Name	Size	Type	Path	Modif
.sddaf		Folder	[datastore1] .sddaf	
kali-linux-2.0-amd64.iso	3,242,688.00 KB	ISO Image	[datastore1]	8/4/20

/
   .sdd.sf

Manage this host through VMware vCenter.

Recent Tasks   Name, Target or Status contains: ▾   Clear

Name	Target	Status	Details	Initiated by	Requested Start Ti...	Start Time	Completed Time
Manipulate file paths		Completed		root	8/4/2016 4:45:25 PM	8/4/2016 4:45:25 PM	8/4/2016 4:45:25 PM
Remove entity	kali-vm	Completed		root	8/4/2016 4:44:08 PM	8/4/2016 4:44:08 PM	8/4/2016 4:44:11 PM
Delete file		Completed		root	8/4/2016 4:43:58 PM	8/4/2016 4:43:58 PM	8/4/2016 4:43:58 PM

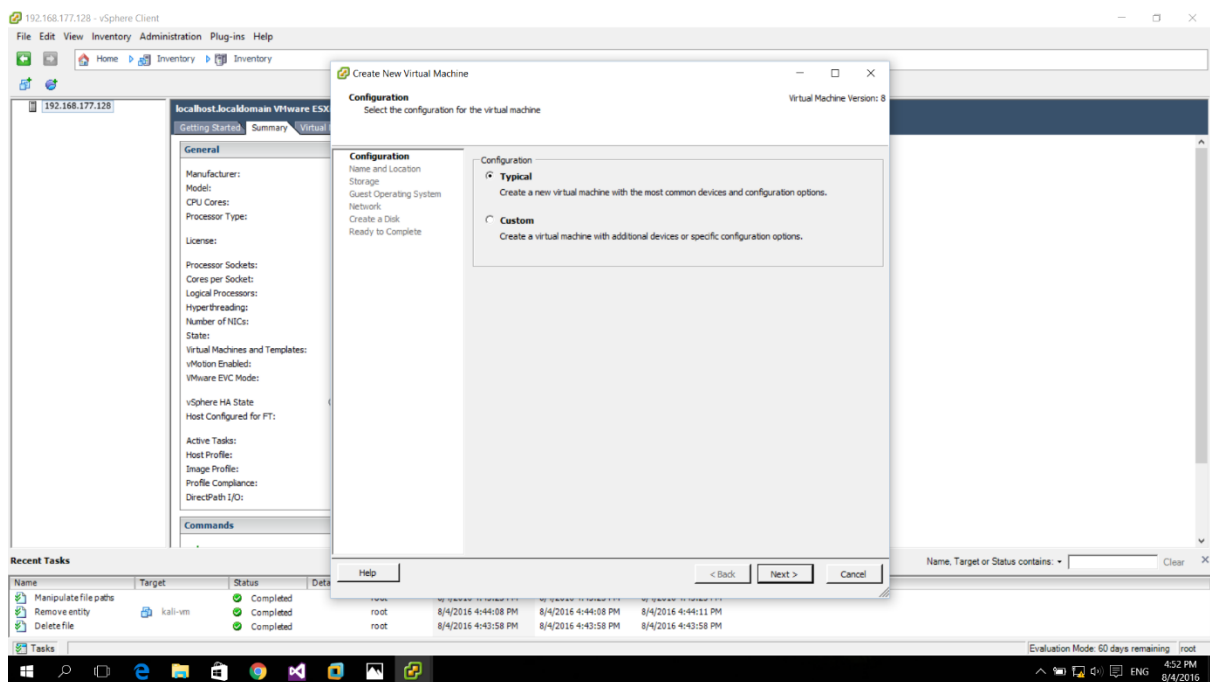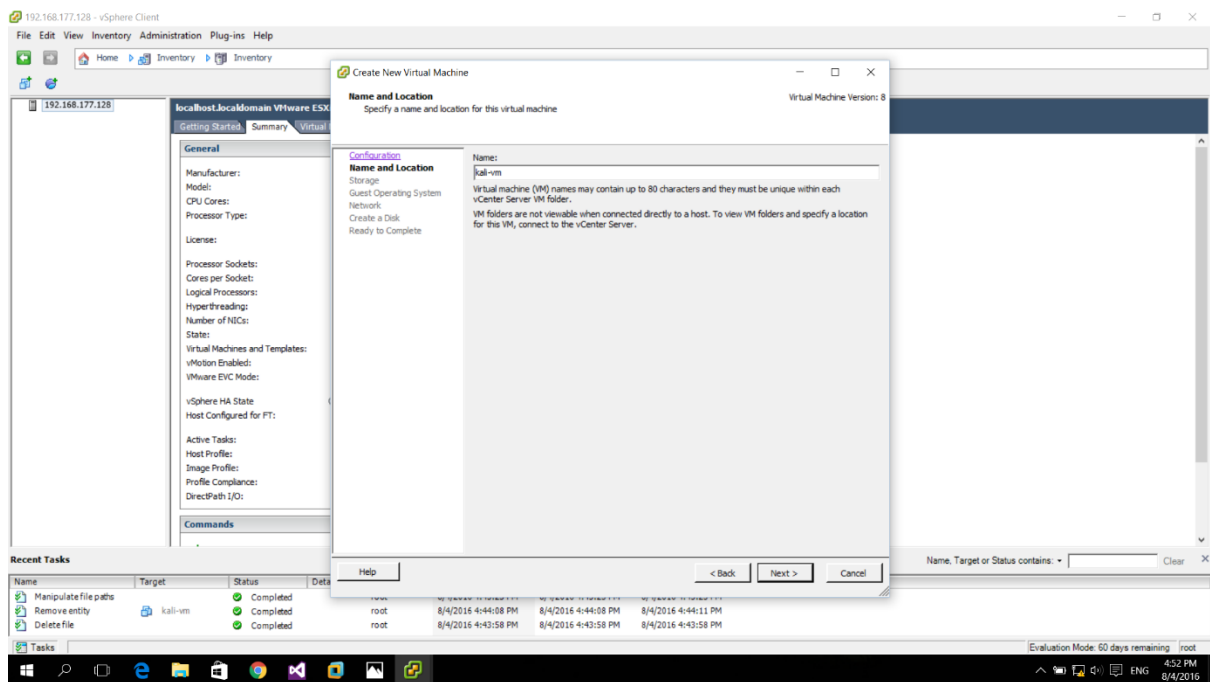Tasks   Evaluation Mode: 60 days remaining   root

4:51 PM
8/4/2016

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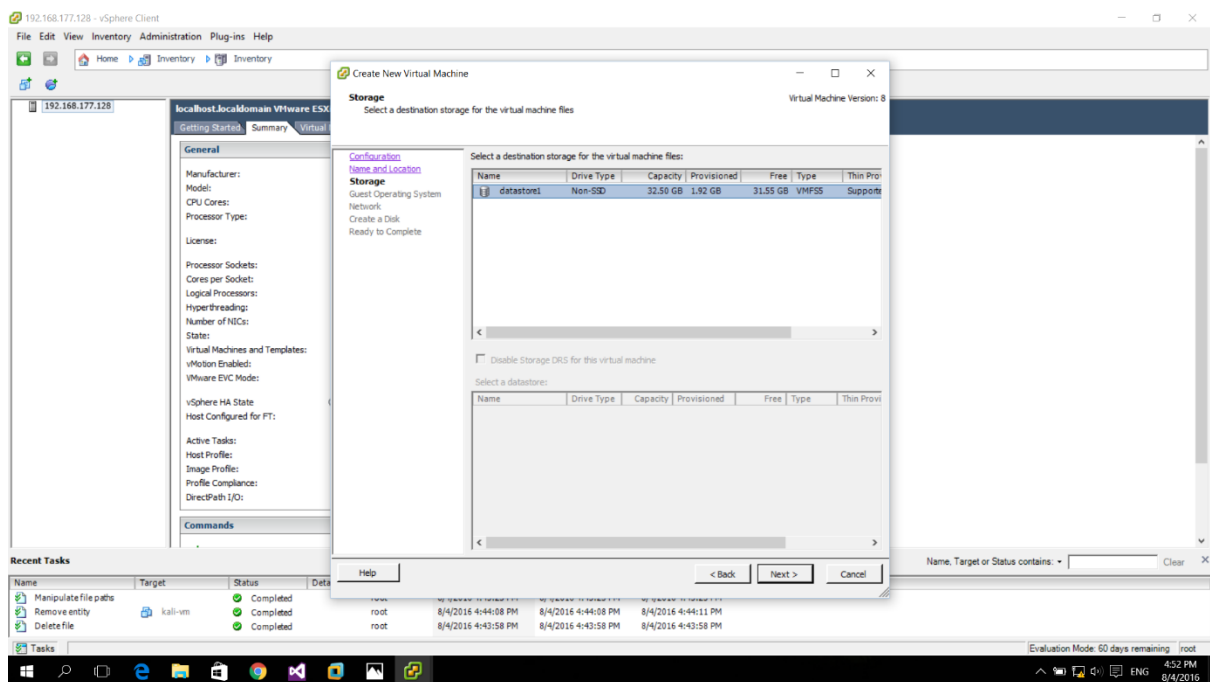

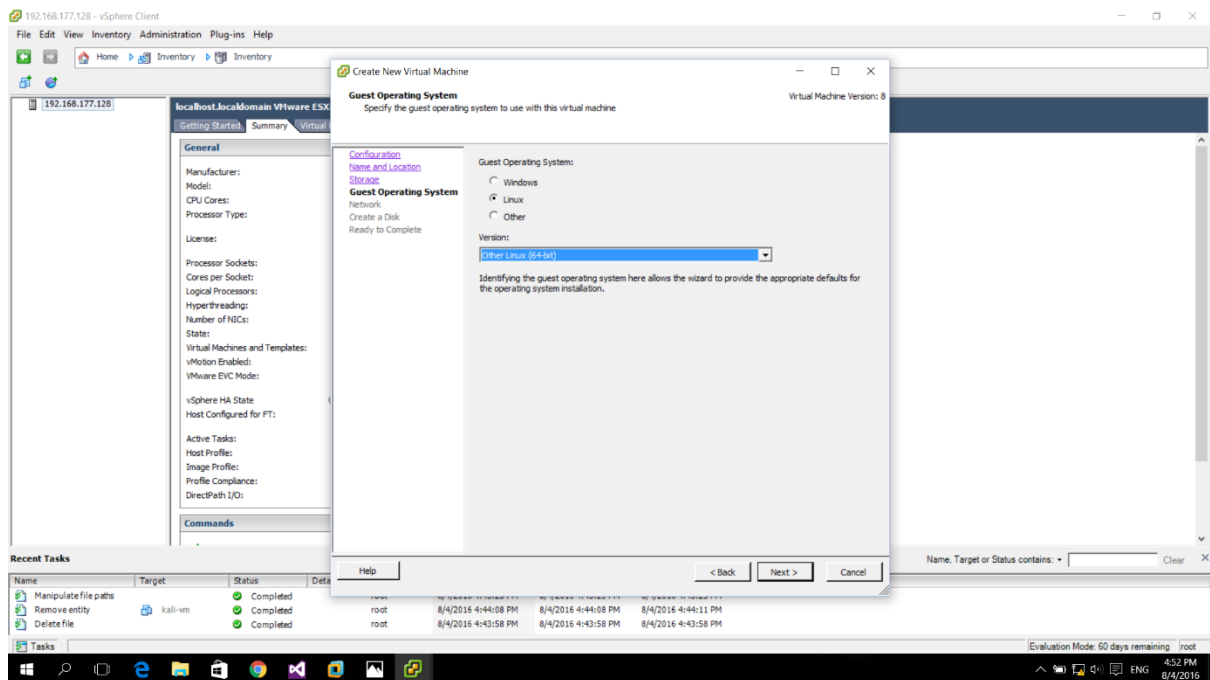Step 08: Select 'Typical' under 'Configuration' and click 'Next'.

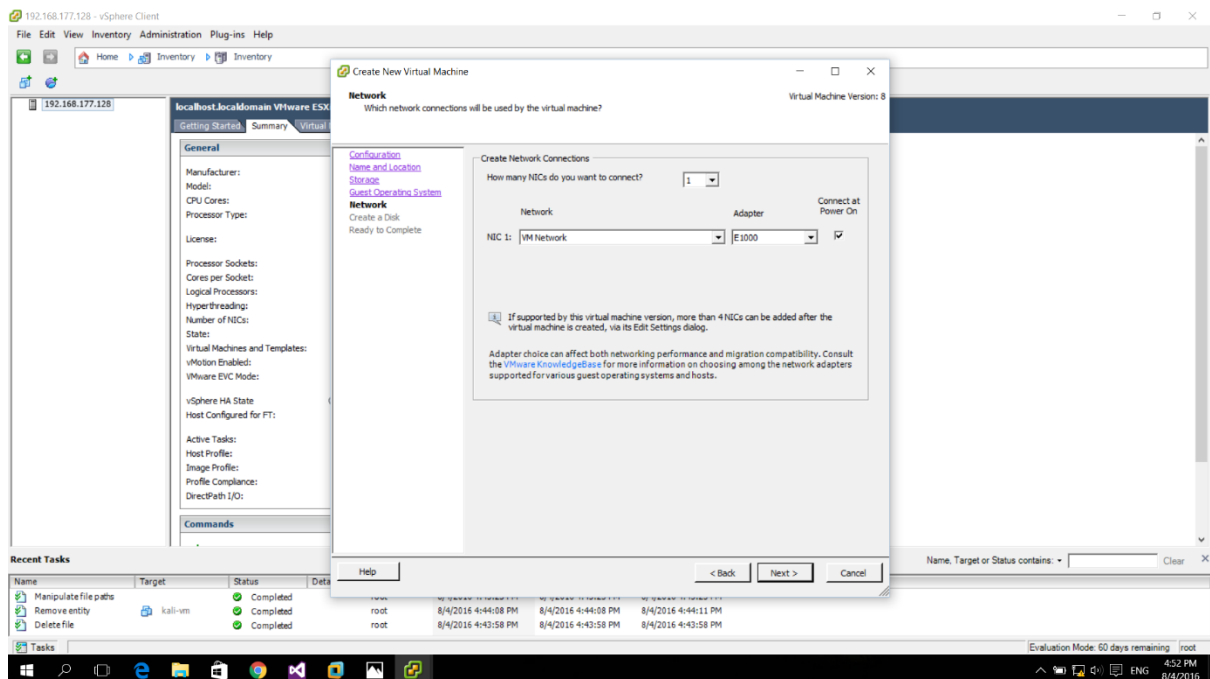Step 09: Provide a name for the virtual machine and click 'Next'.

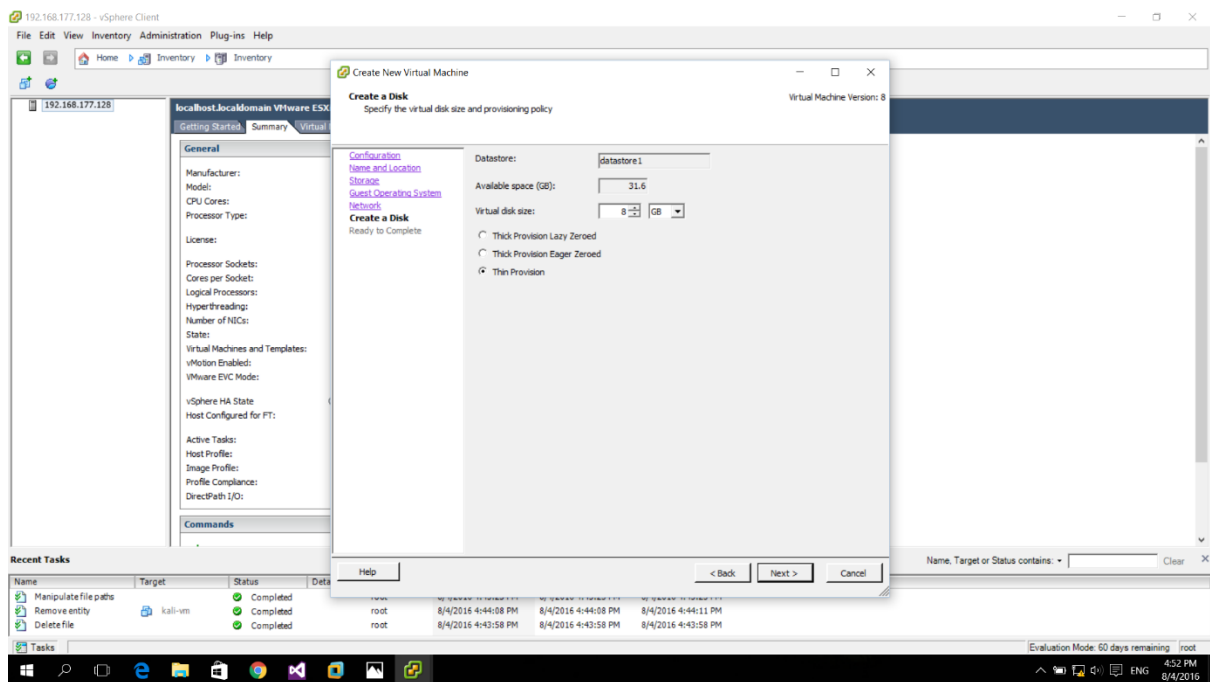Step 10: Click 'Next' on 'Storage' section.

Step 11: Select 'Linux' under 'Guest Operating System'.
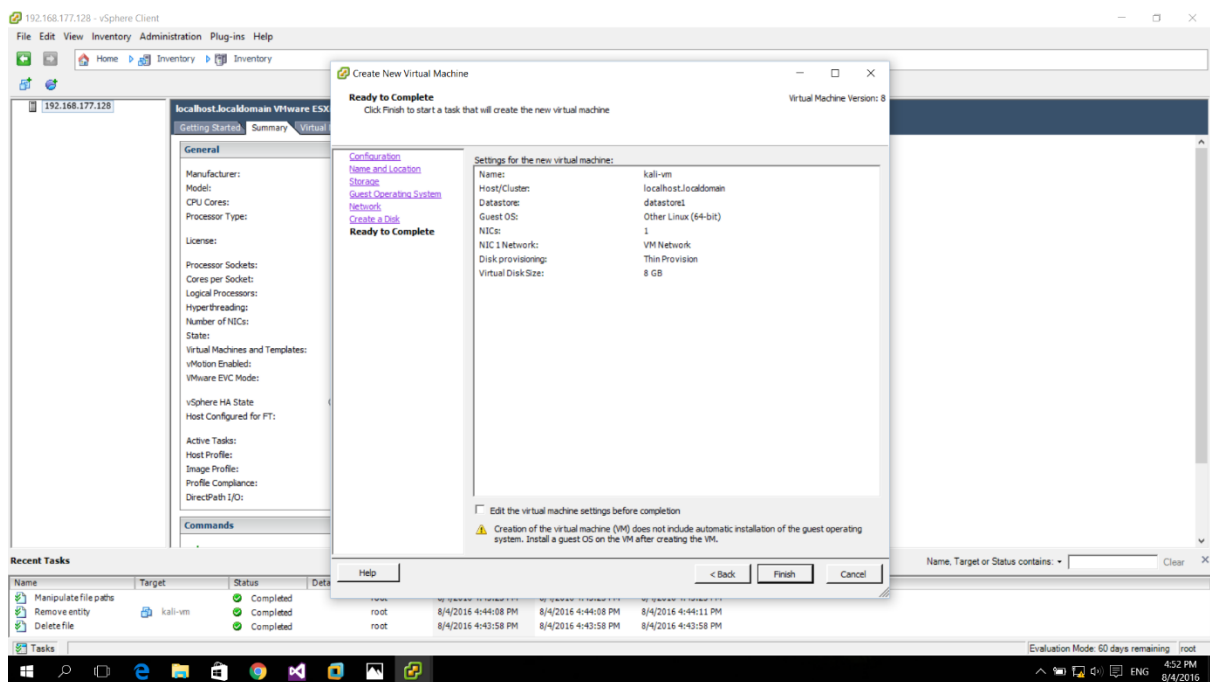
Choose 'Other Linux (64-bit)' and click 'Next'.

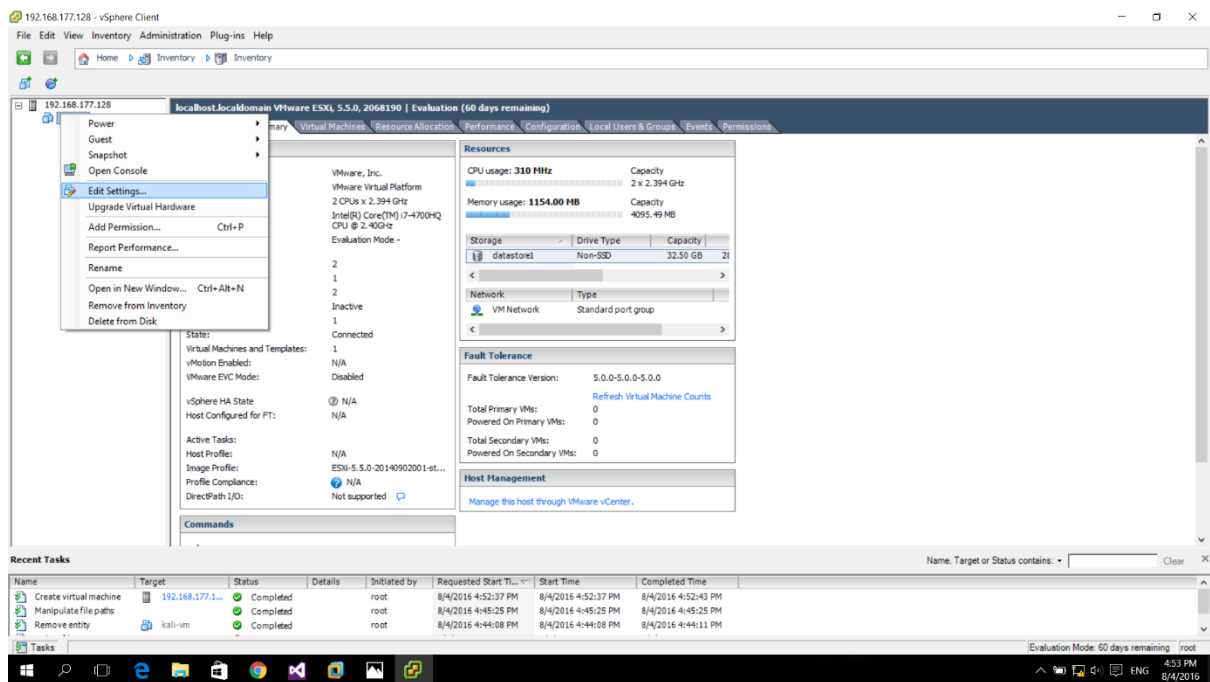Step 12: Click 'Next' on 'Network' section.

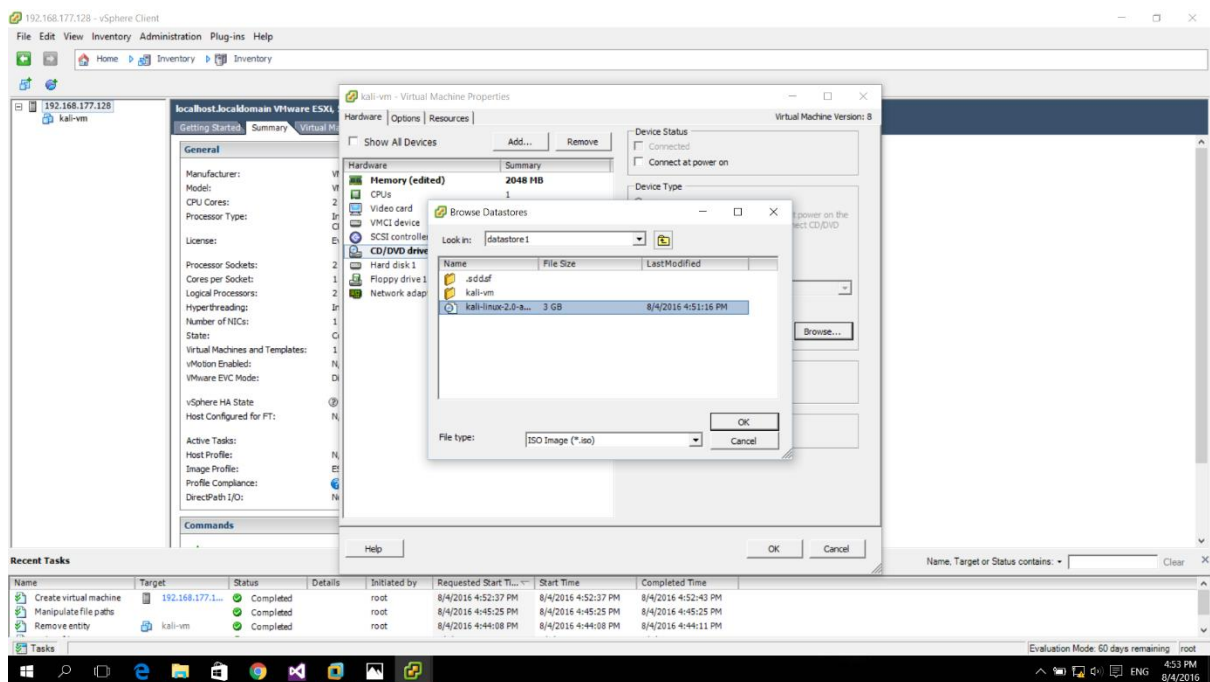Step 13: Select 'Thin Provision' on 'Create a Disk' section and click 'Next'.

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'.
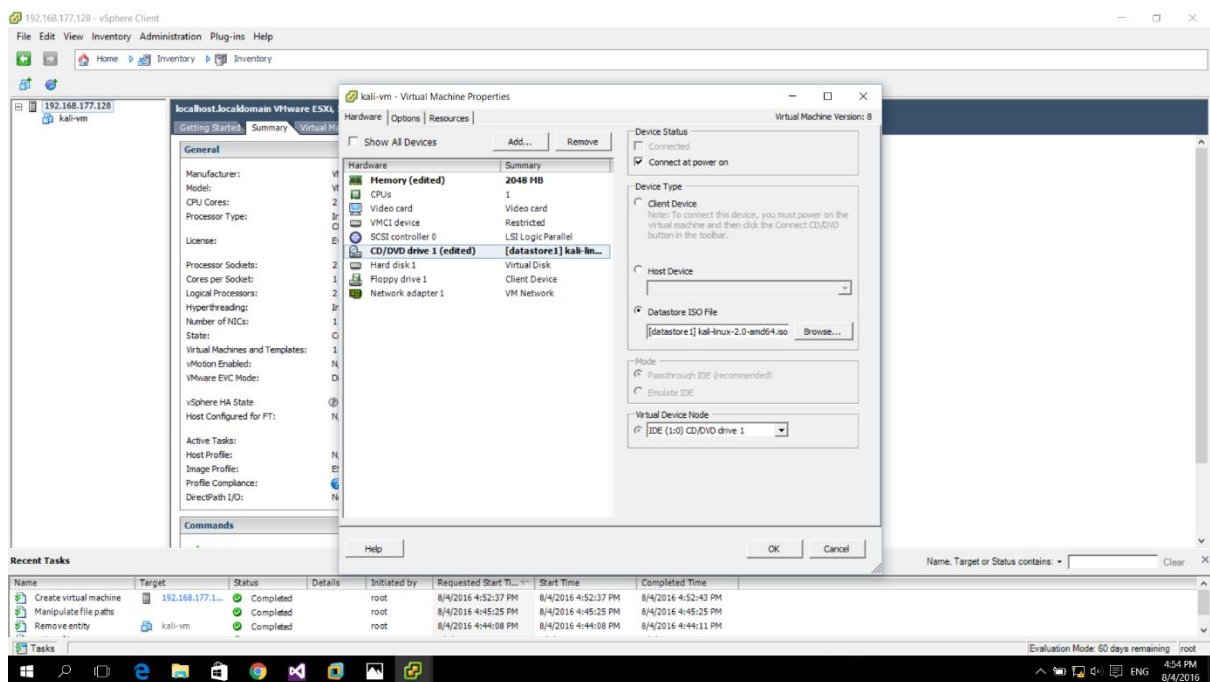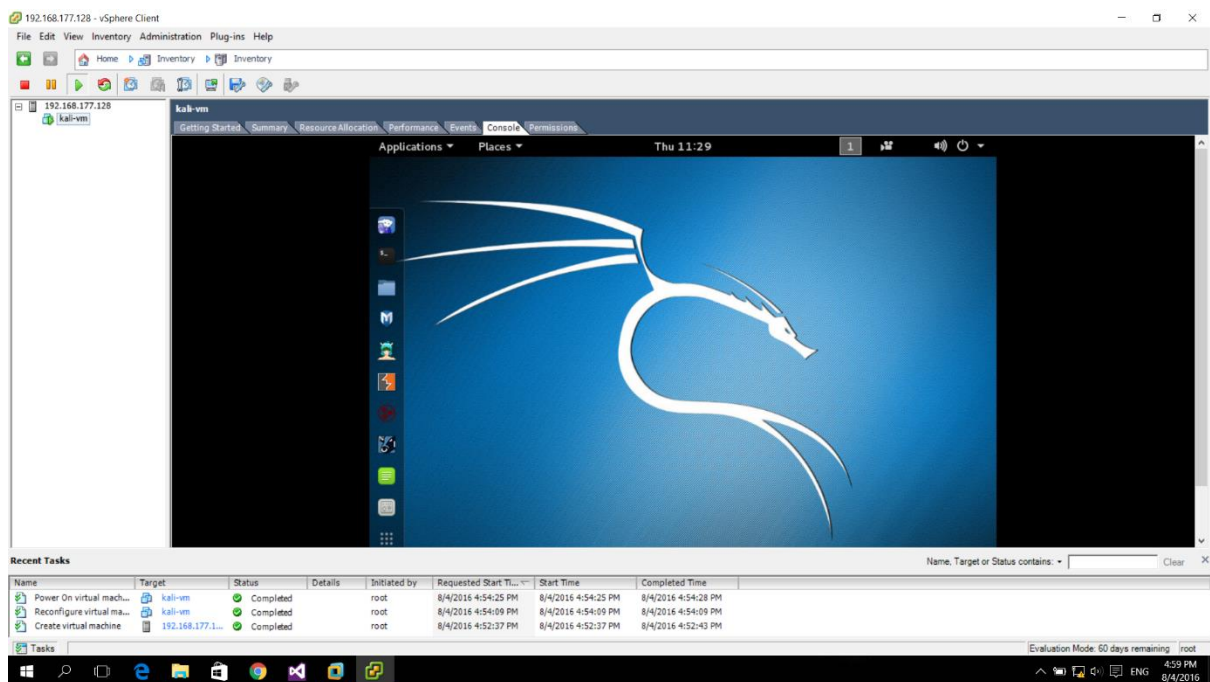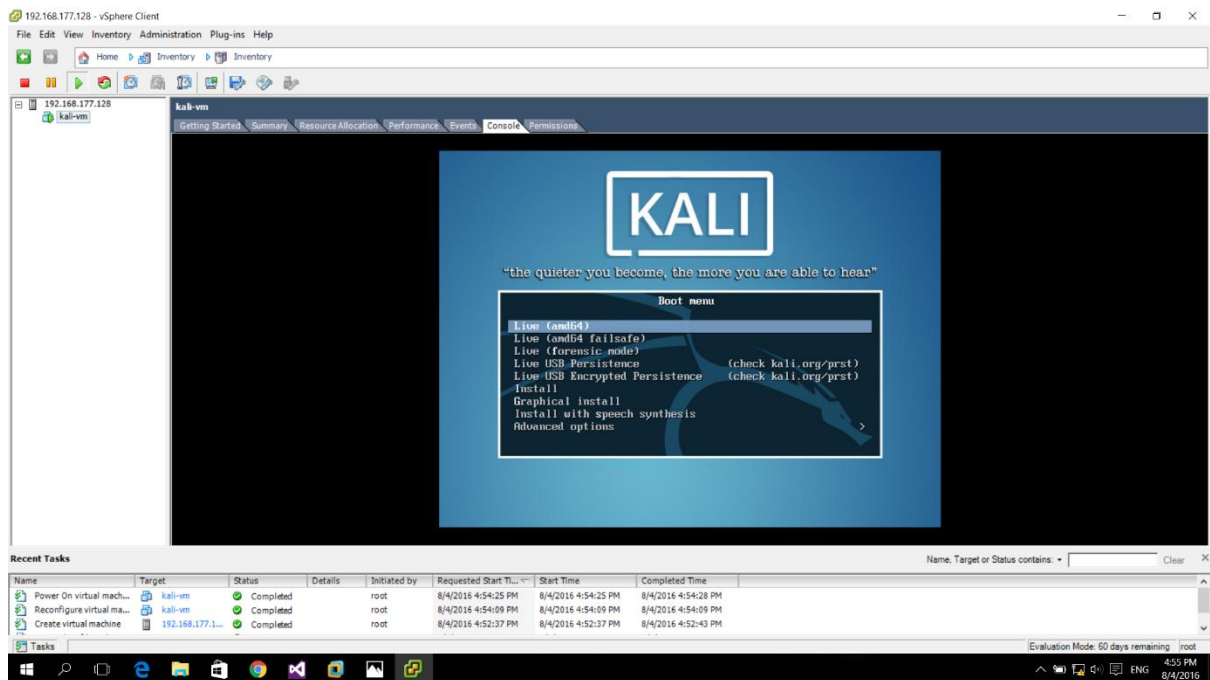

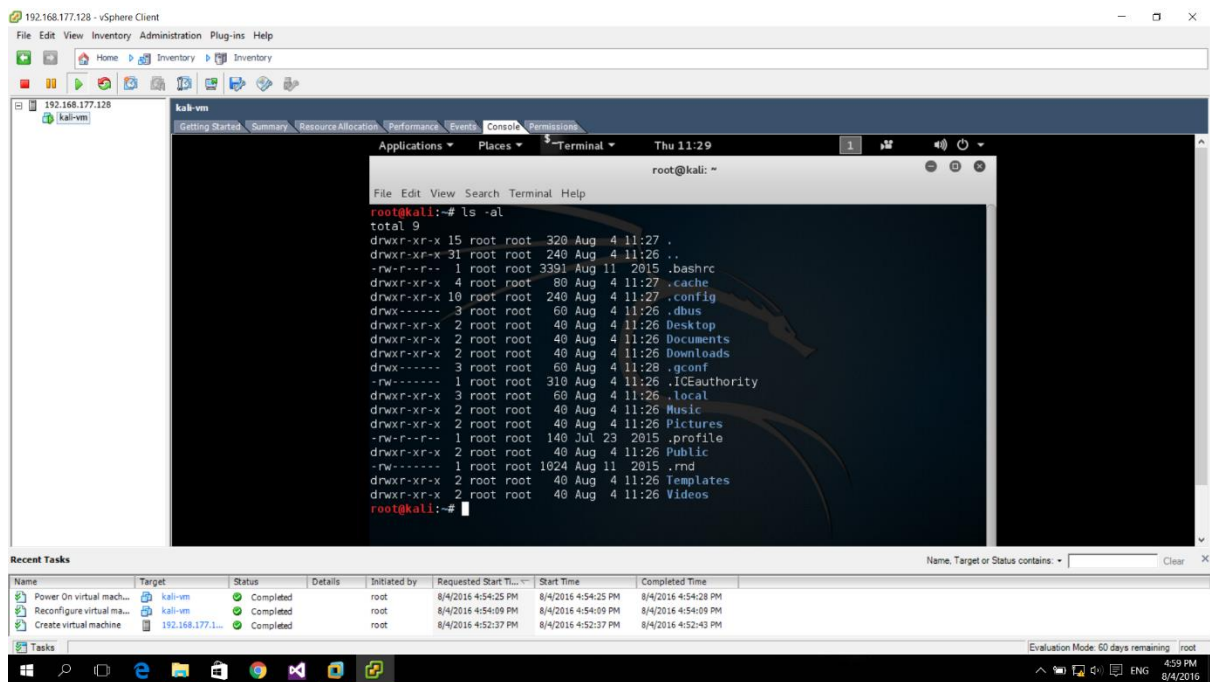Step 18: Power on the virtual machine.
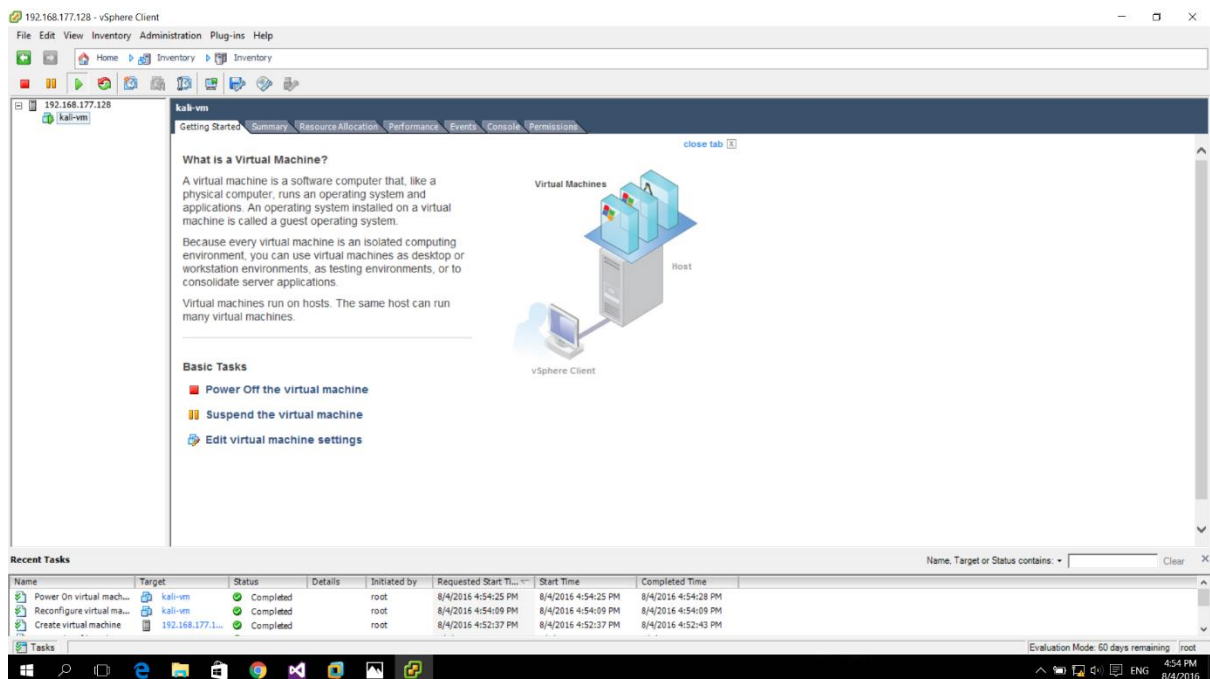
Step 19: Go to the 'Console' tab and choose 'Live (amd64)'.

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'.