SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY

Enterprise Standards and Best Practices for IT Infrastructure

4th Year 2nd Semester 2014

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SLIIT ID: IT13136598

Practical Session: WD

Practical Number : lab-3

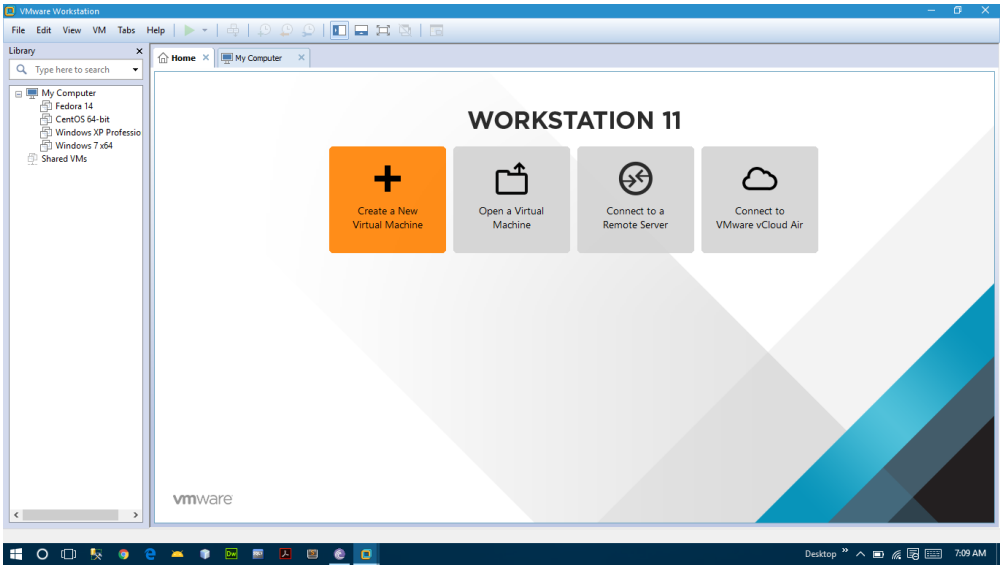
Date of Submission: 16-08-2016

Date of Evaluation : _____

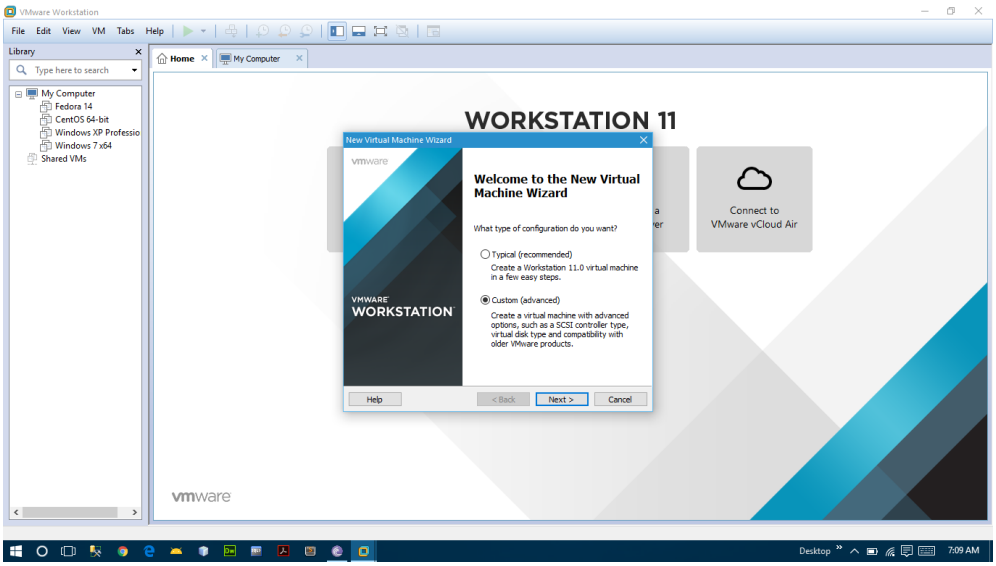
Evaluators Signature : _____

Baremetal Virtual machine Installation

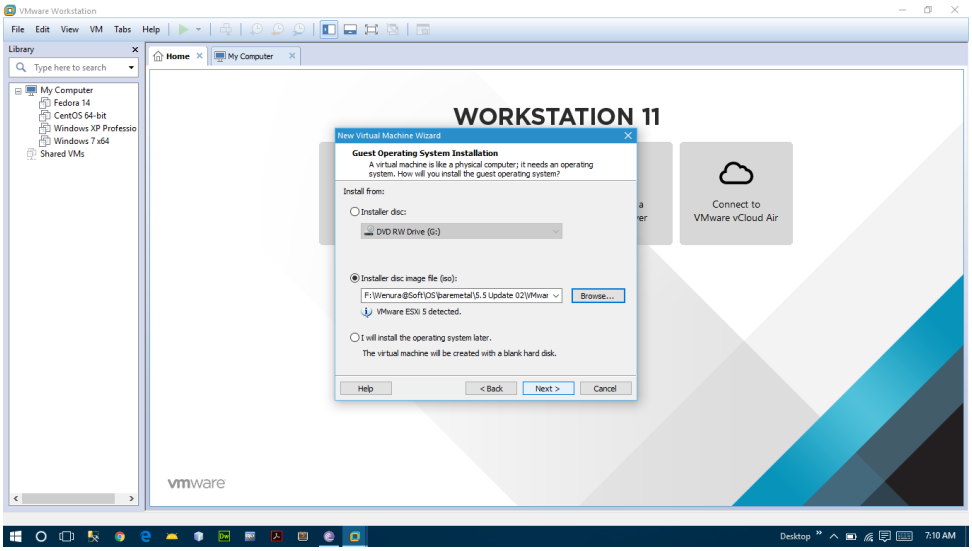
1. Open VMware select the “create a new virtual machine”.



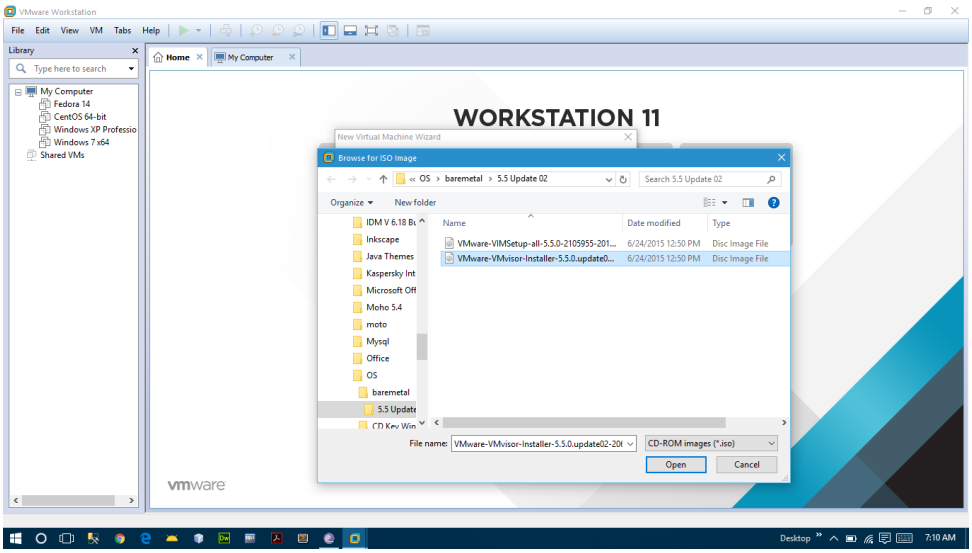
2. Select the “custom” option and click the next.



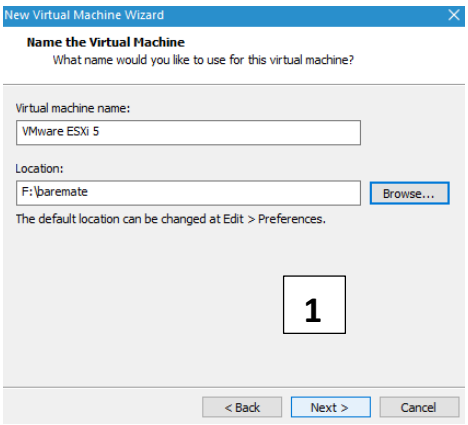
3. Select the installer disc image file and click the “browse” option.

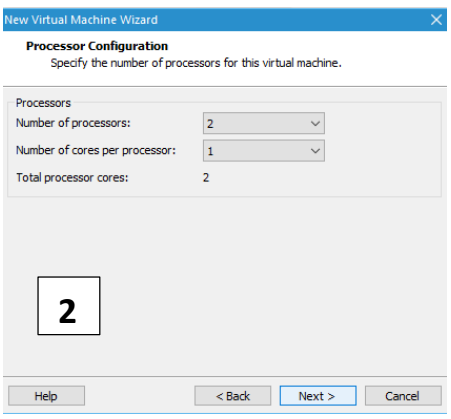


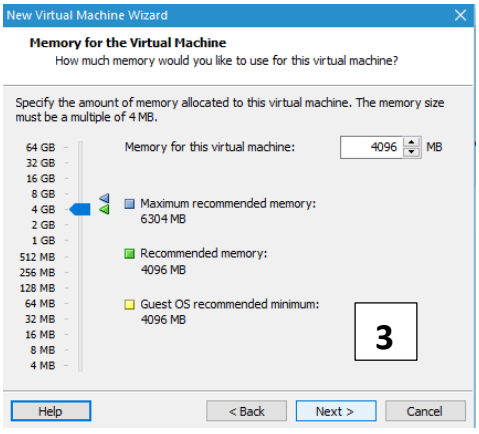
4. Brows baremetal image in your computer then open the file.

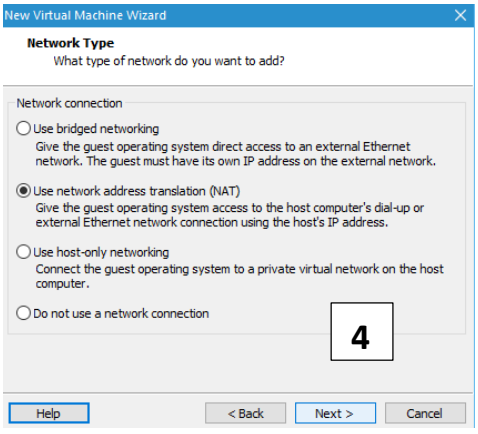


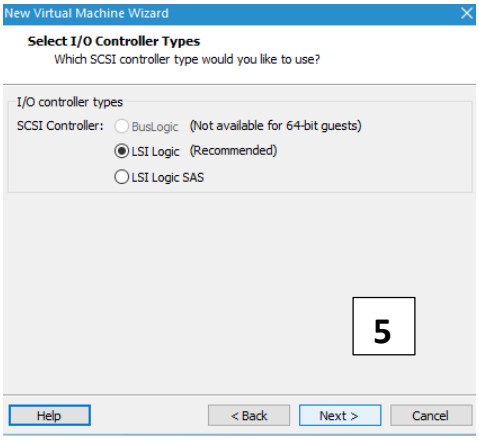
5. No need change default settings, therefore click “next” option .

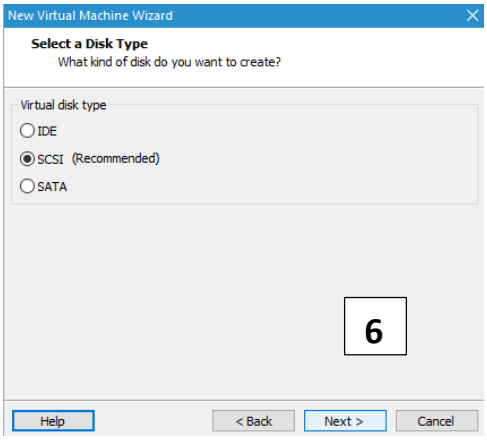


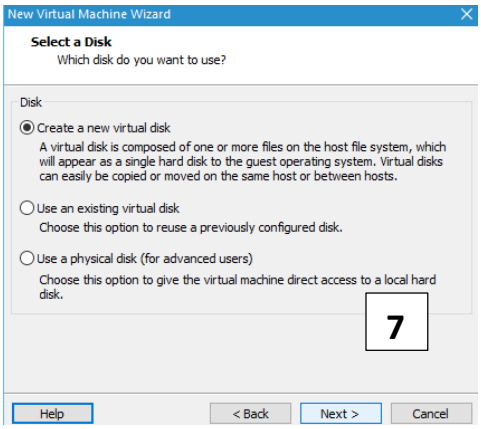


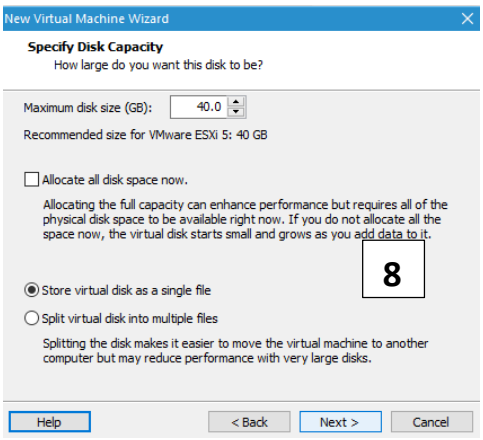

New Virtual Machine Wizard
Memory for the Virtual Machine
How much memory would you like to use for this virtual machine?
Specify the amount of memory allocated to this virtual machine. The memory size must be a multiple of 4 MB.
64 GB
32 GB
16 GB
8 GB
4 GB
2 GB
1 GB
512 MB
256 MB
128 MB
64 MB
32 MB
16 MB
8 MB
4 MB
Memory for this virtual machine: 4096 MB
Maximum recommended memory: 6304 MB
Recommended memory: 4096 MB
Guest OS recommended minimum: 4096 MB
3
Help
< Back
Next >
Cancel

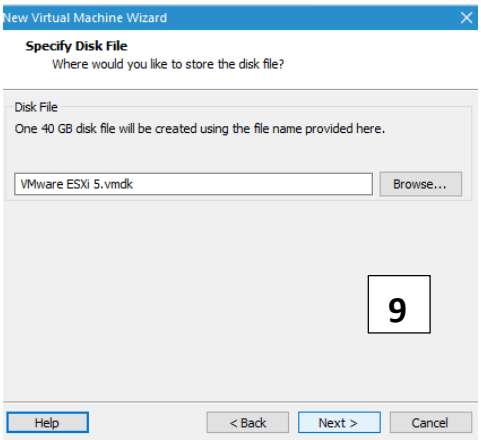

New Virtual Machine Wizard
Network Type
What type of network do you want to add?
Network connection
Use bridged networking
Give the guest operating system direct access to an external Ethernet network. The guest must have its own IP address on the external network.
Use network address translation (NAT)
Give the guest operating system access to the host computer's dial-up or external Ethernet network connection using the host's IP address.
Use host-only networking
Connect the guest operating system to a private virtual network on the host computer.
Do not use a network connection
4
Help
< Back
Next >
Cancel

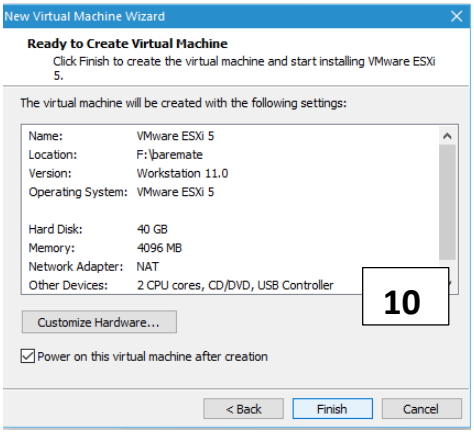

New Virtual Machine Wizard
Select I/O Controller Types
Which SCSI controller type would you like to use?
I/O controller types
SCSI Controller:
BusLogic (Not available for 64-bit guests)
LSI Logic (Recommended)
LSI Logic SAS
5
Help
< Back
Next >
Cancel


New Virtual Machine Wizard
Select a Disk Type
What kind of disk do you want to create?
Virtual disk type
IDE
SCSI (Recommended)
SATA
6
Help
< Back
Next >
Cancel

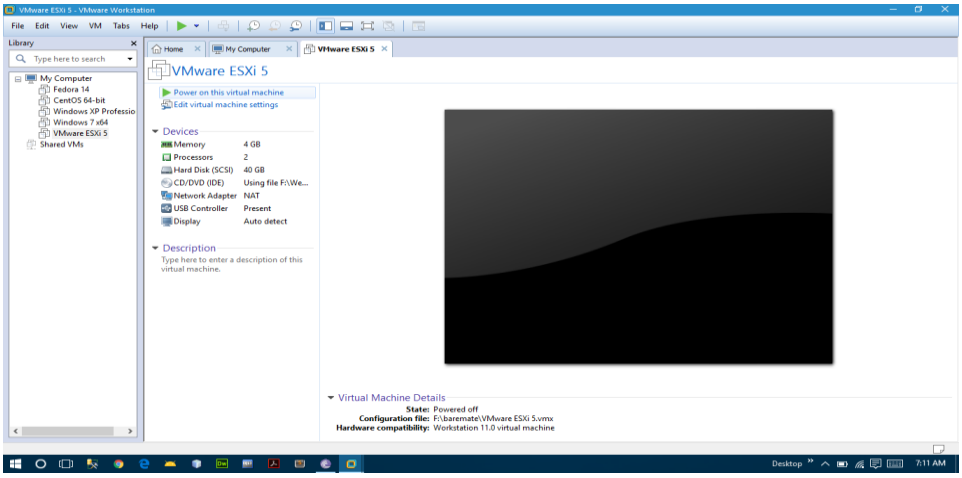

New Virtual Machine Wizard
Select a Disk
Which disk do you want to use?
Disk
Create a new virtual disk
A virtual disk is composed of one or more files on the host file system, which will appear as a single hard disk to the guest operating system. Virtual disks can easily be copied or moved on the same host or between hosts.
Use an existing virtual disk
Choose this option to reuse a previously configured disk.
Use a physical disk (for advanced users)
Choose this option to give the virtual machine direct access to a local hard disk.
7
Help
< Back
Next >
Cancel

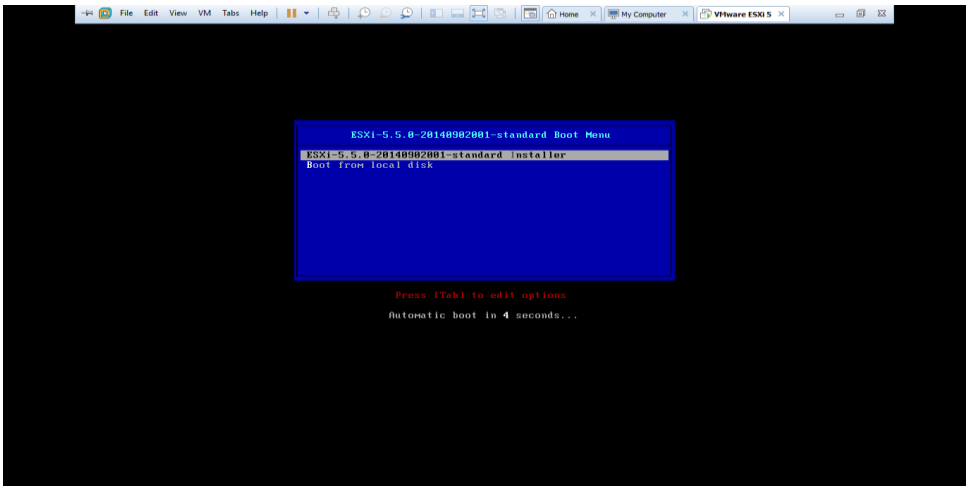

New Virtual Machine Wizard
Specify Disk Capacity
How large do you want this disk to be?
Maximum disk size (GB): 40.0
Recommended size for VMware ESXi 5: 40 GB
Allocate all disk space now.
Allocating the full capacity can enhance performance but requires all of the physical disk space to be available right now. If you do not allocate all the space now, the virtual disk starts small and grows as you add data to it.
8
Store virtual disk as a single file
Split virtual disk into multiple files
Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.
Help
< Back
Next >
Cancel

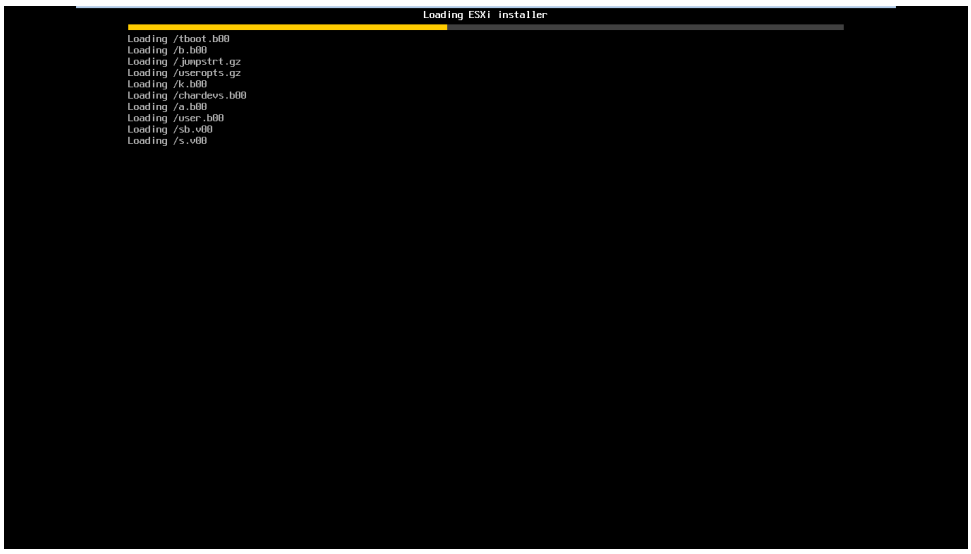

New Virtual Machine Wizard
Specify Disk File
Where would you like to store the disk file?
Disk File
One 40 GB disk file will be created using the file name provided here.
VMware ESXi 5.vmdk
Browse...
9
Help
< Back
Next >
Cancel

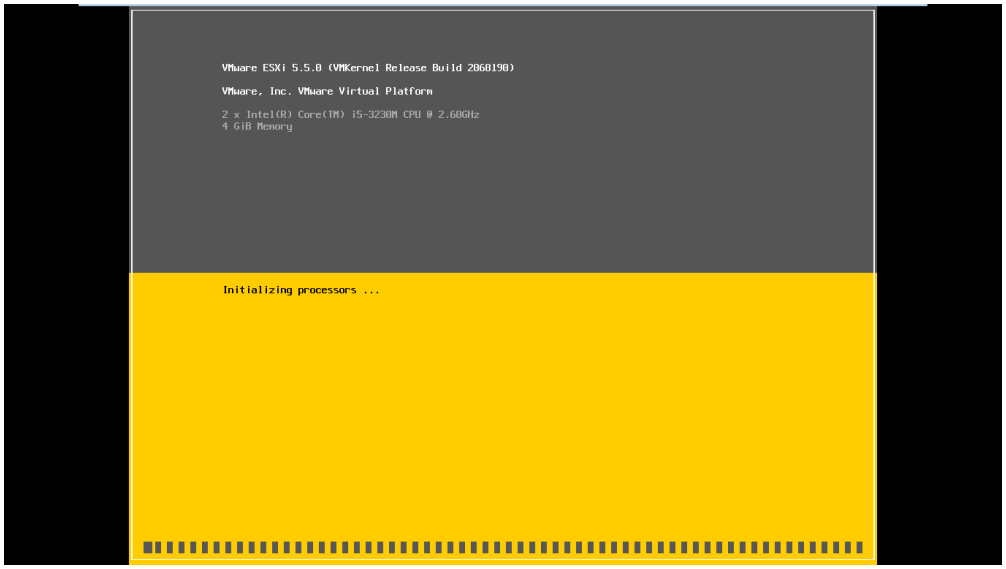

New Virtual Machine Wizard
Ready to Create Virtual Machine
Click Finish to create the virtual machine and start installing VMware ESXi 5.
The virtual machine will be created with the following settings:
Name: VMware ESXi 5
Location: F:\baremate
Version: Workstation 11.0
Operating System: VMware ESXi 5
Hard Disk: 40 GB
Memory: 4096 MB
Network Adapter: NAT
Other Devices: 2 CPU cores, CD/DVD, USB Controller
10
Customize Hardware...
Power on this virtual machine after creation
< Back
Finish
Cancel

6. Then run the baremetal server



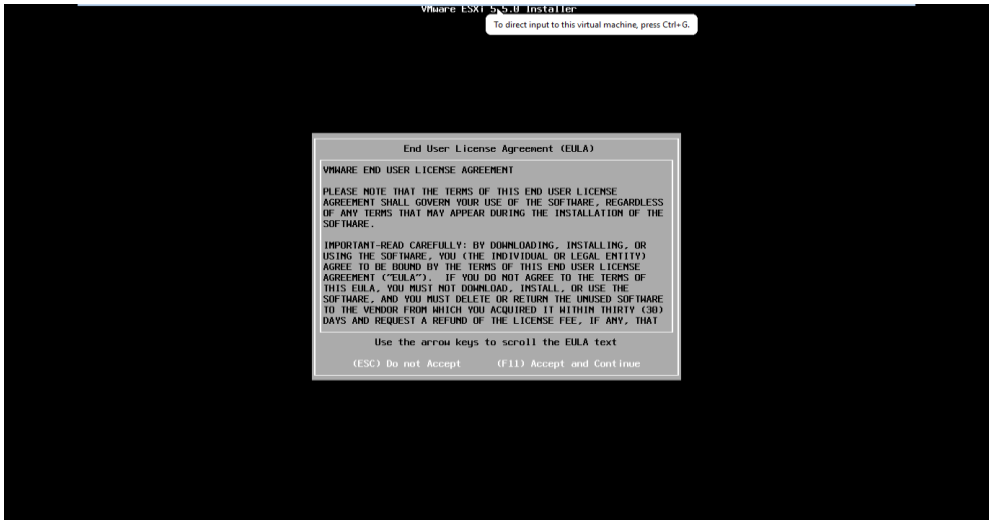




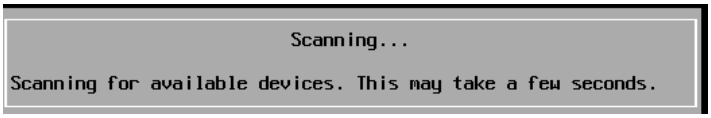


7. Press Enter to setup the baremetal

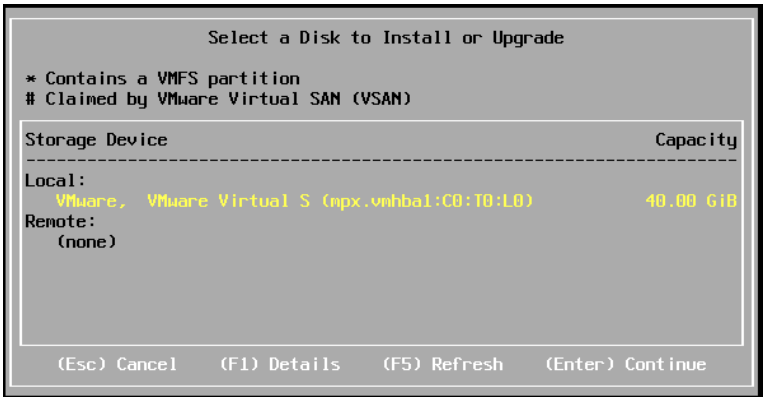
8. Then press F11 accept license

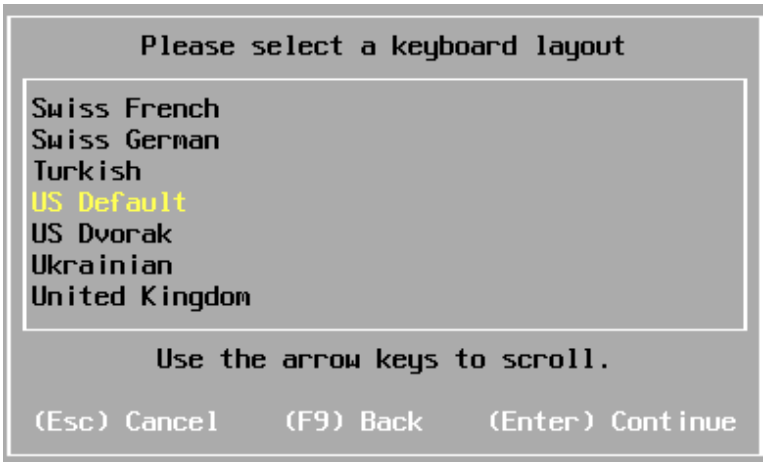


9. After accepting automatically check the hardware requirement

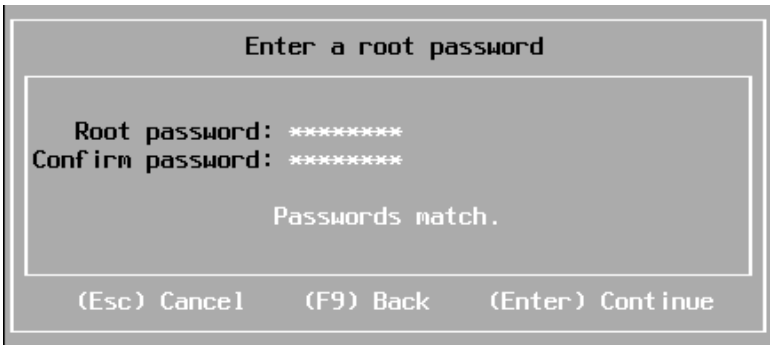


10. Select disk to install and press Enter button

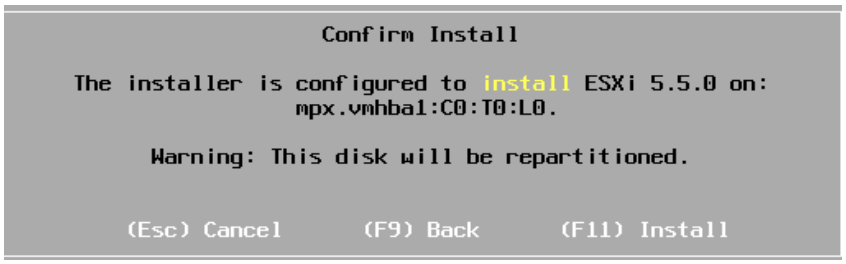


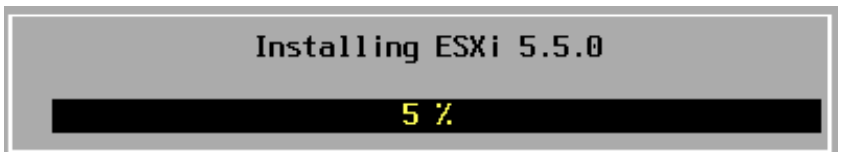


11. Set a password to ESXI

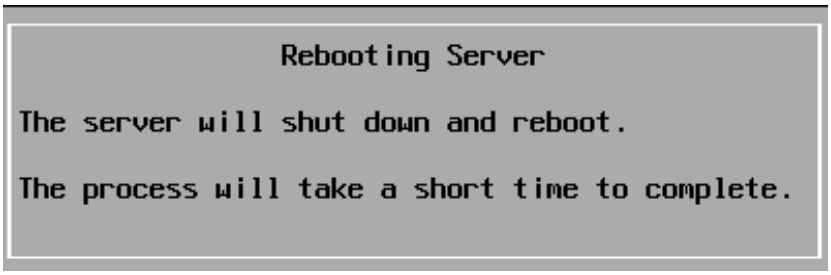


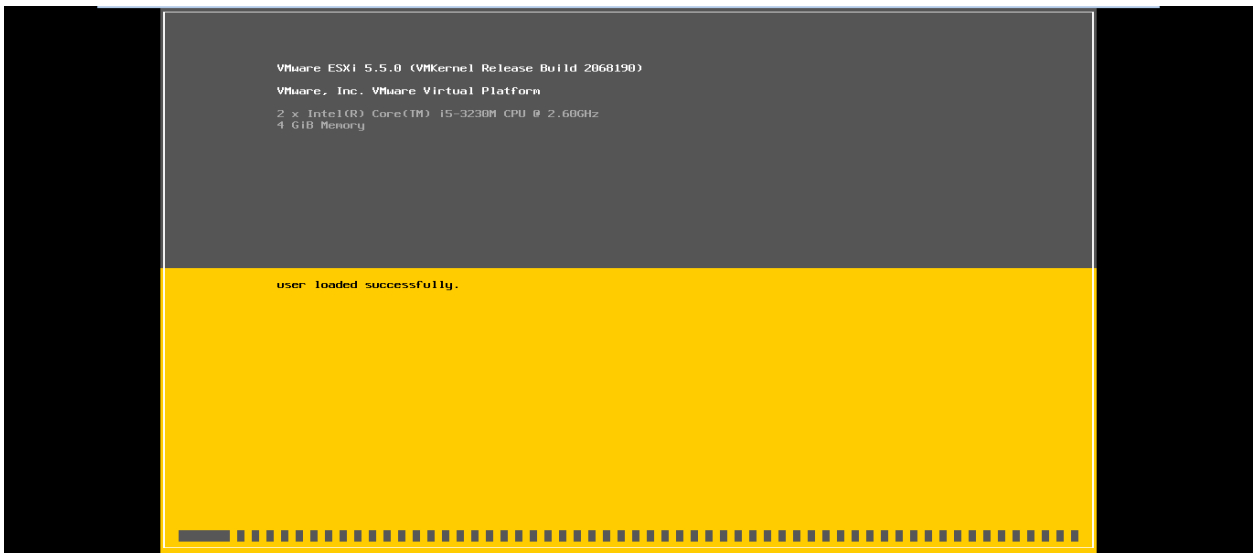
12. Confirm the baremetal installation.

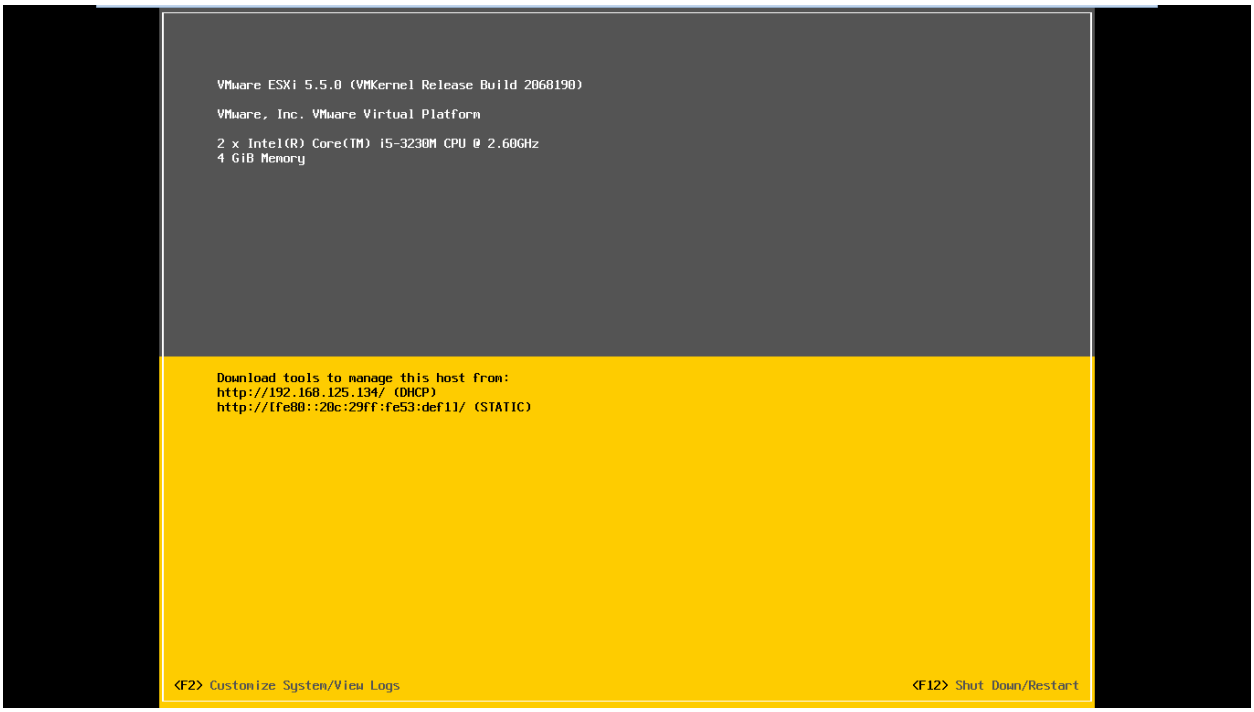




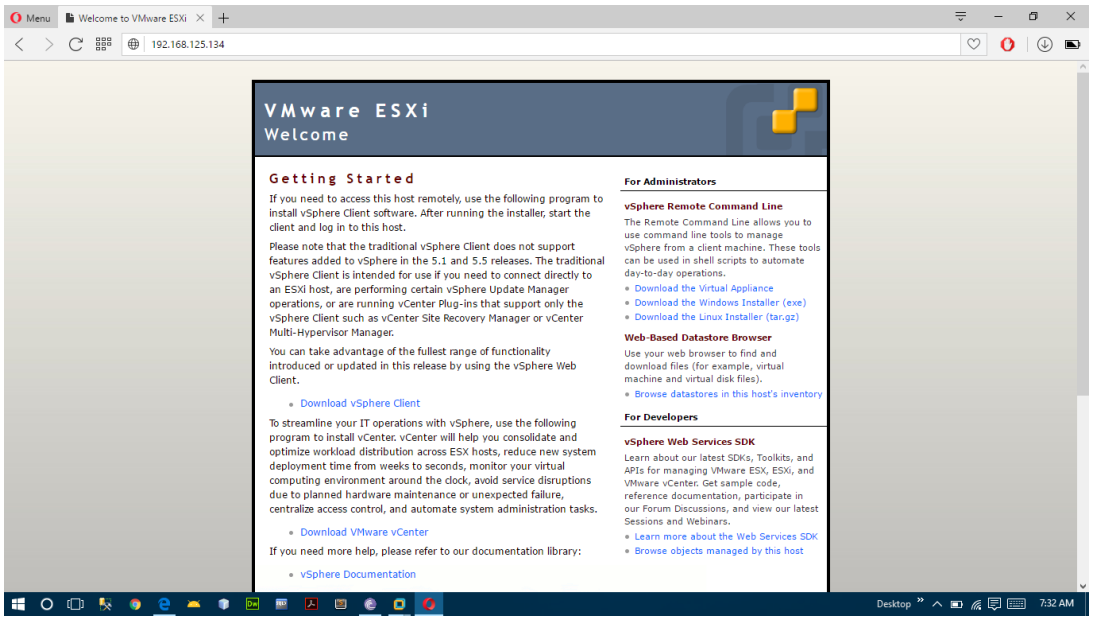
13. Reboot the baremetal and press the Enter



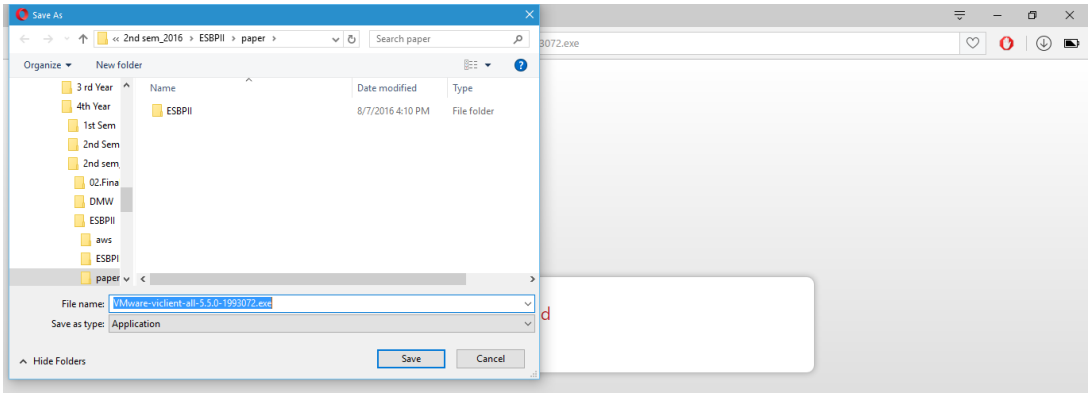


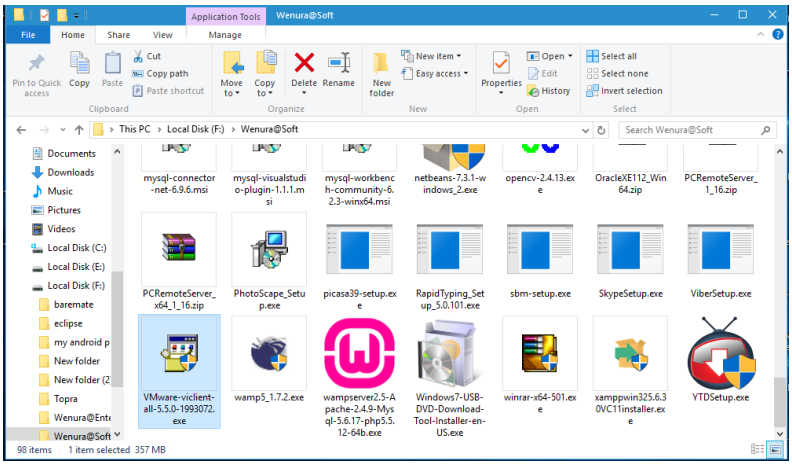


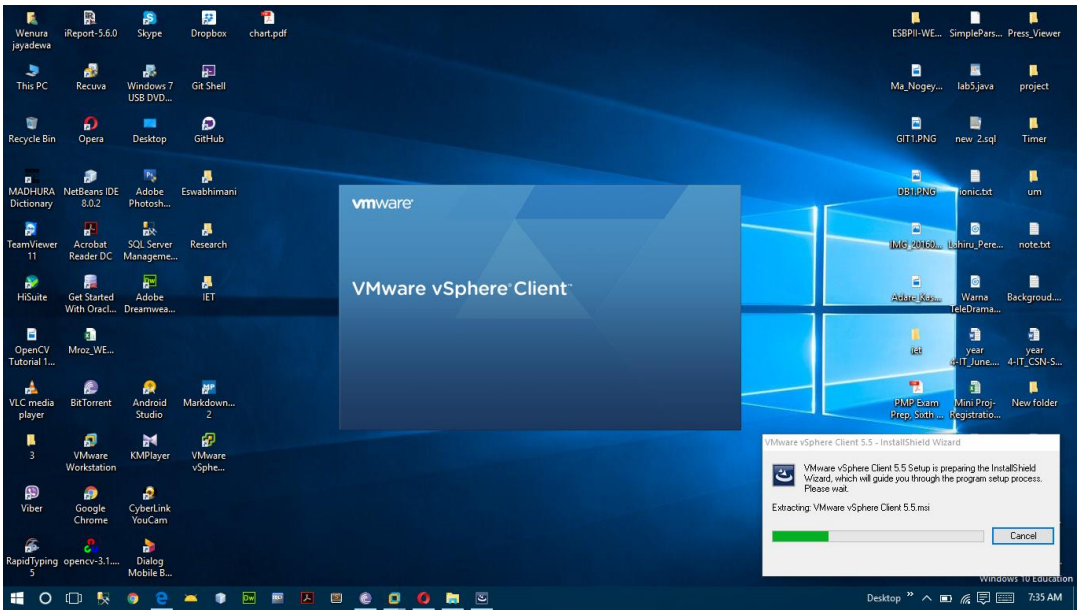
- **Install the opering system to ESXI**
  14. Open the browser in your computer and type the ip address in ESXI then press Enter.
  15. Click the download vSpher clicnt .



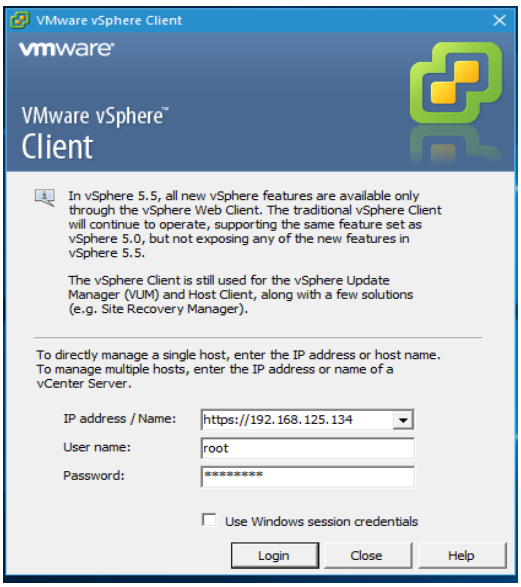
16. Download the exe file and install it into the mechine



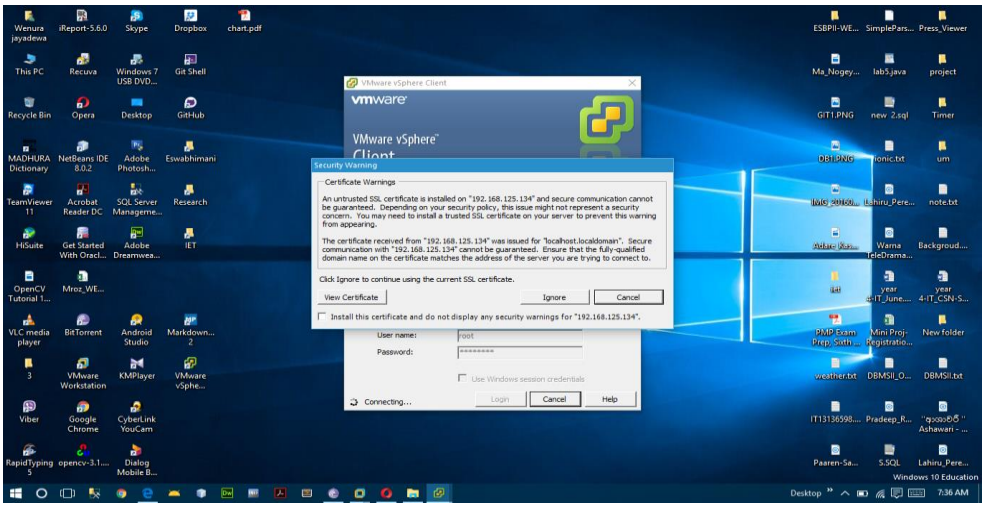




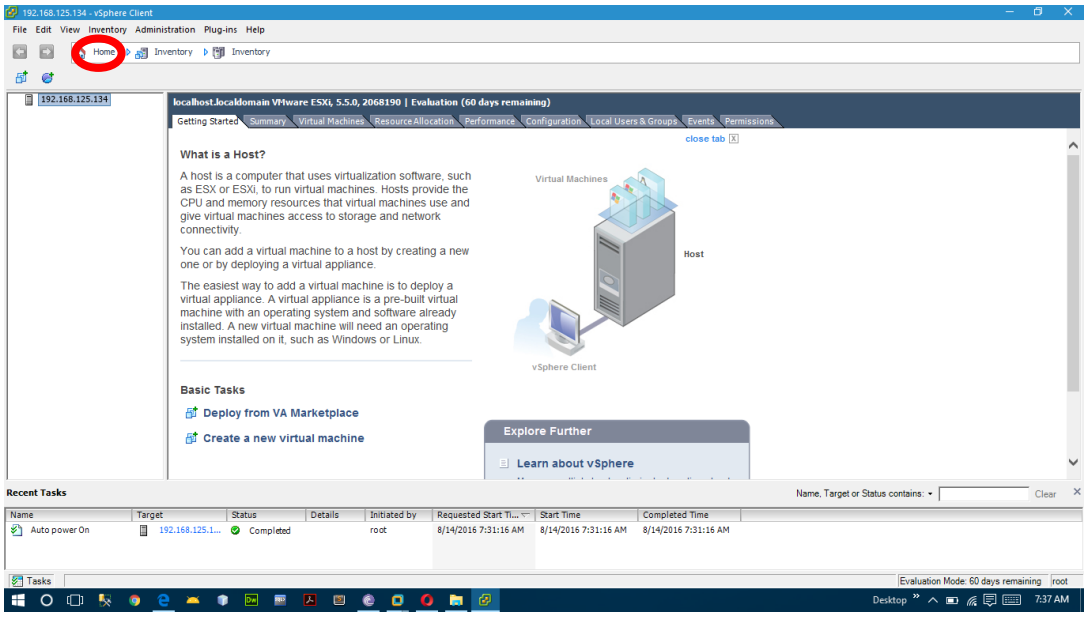
17. Run the vmware vsphere and fill the IPaddress username password



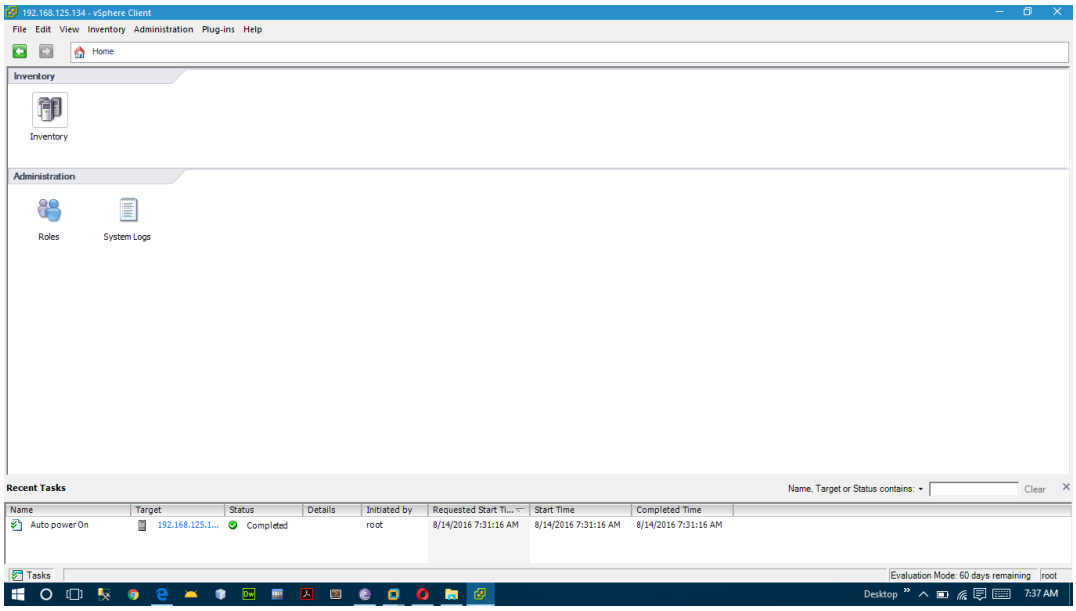
18. Click ignore button to ignore the security warring message.



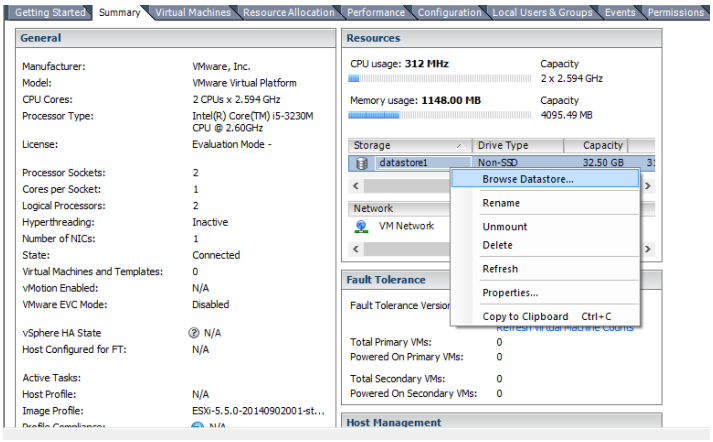
19. When succefully competed vmware vsphere your window will look like below.then click the home tab.

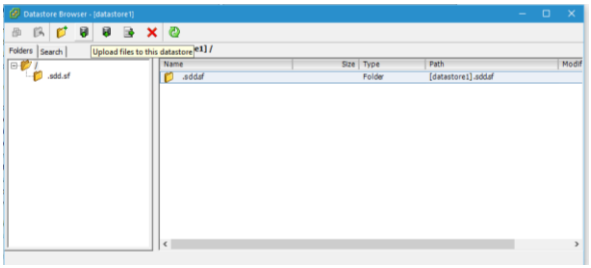


20. Select and double click on inventory icon

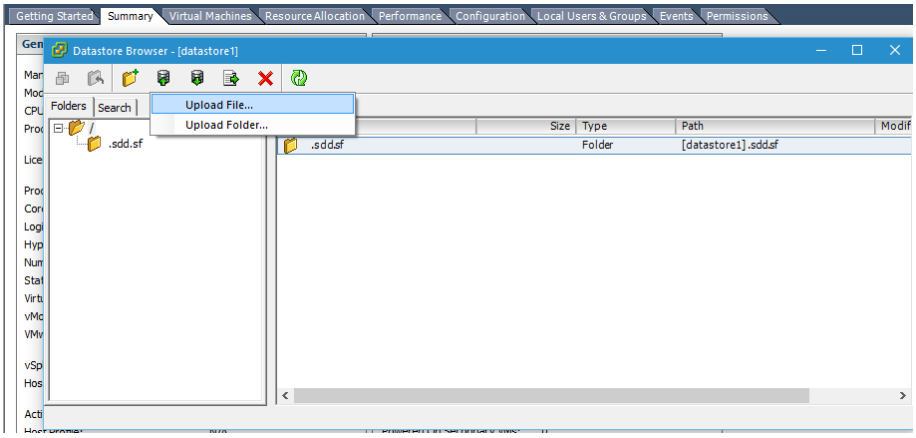


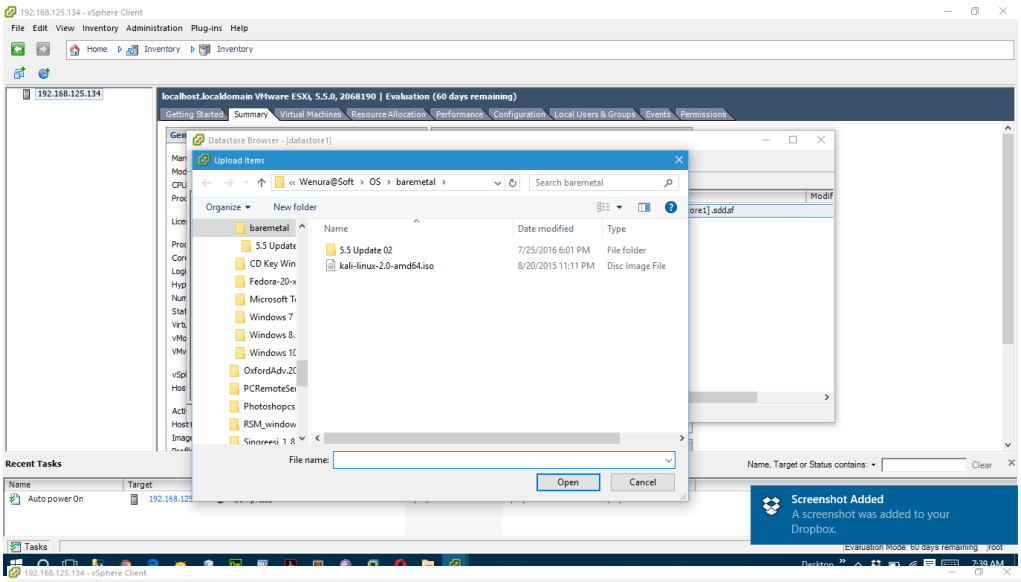
21. Go to the summery tab select dataset and right click the dataset. Then open the dataset.

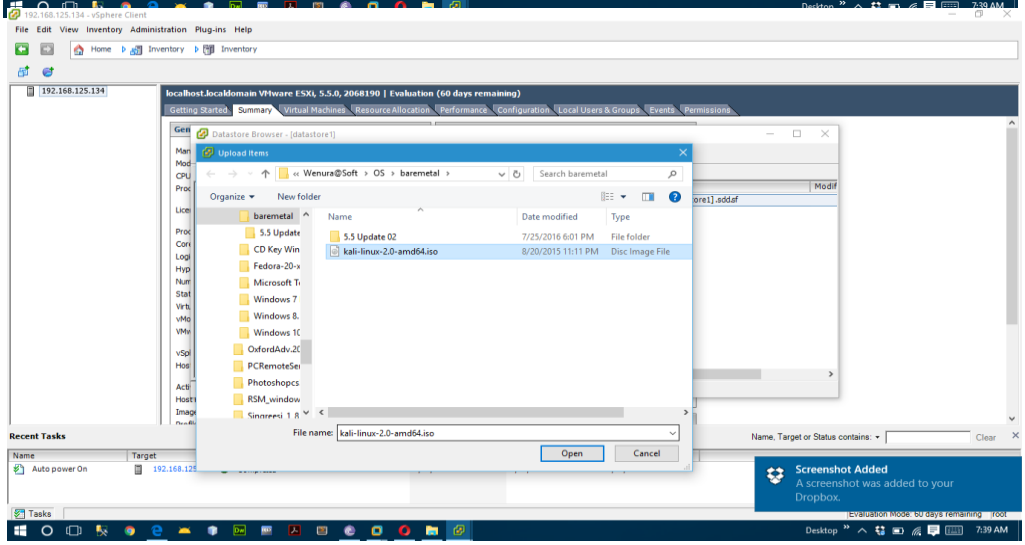


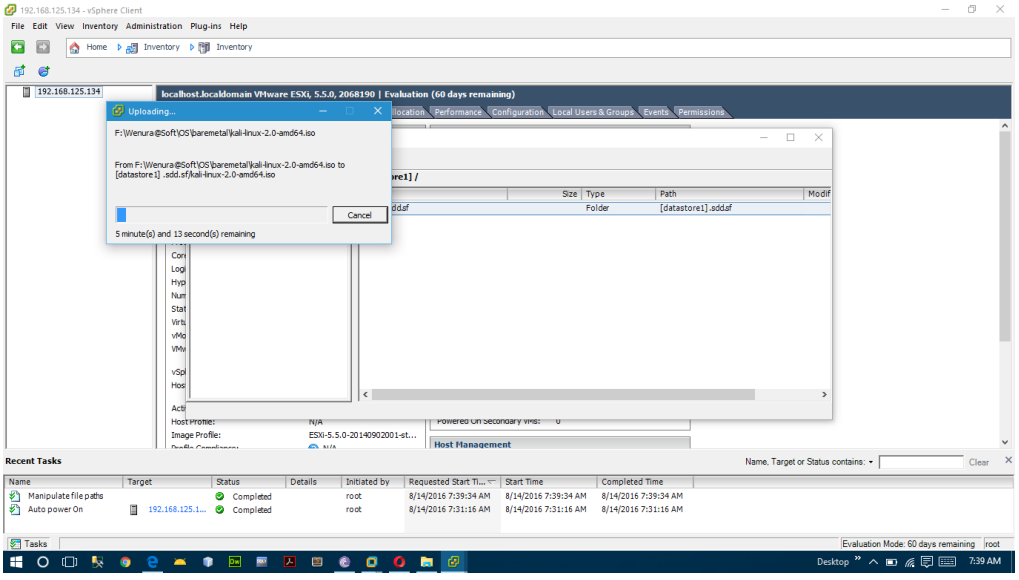


22. Select the upload button .upload the operating system.



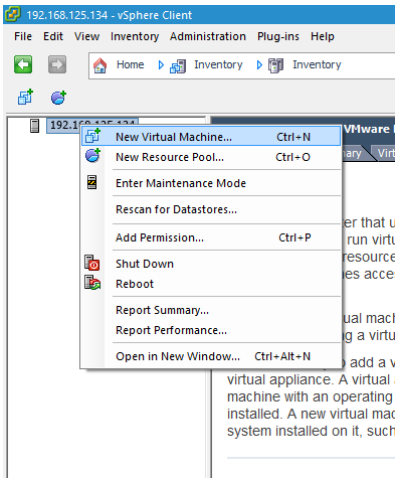

192.168.125.134 - vSphere Client
File Edit View Inventory Administration Plug-ins Help
Home Inventory Inventory
192.168.125.134
localhost.localdomain VMware ESXi, 5.5.0, 2068190 | Evaluation (60 days remaining)
Getting Started Summary Virtual Machines Resource Allocation Performance Configuration Local Users & Groups Events Permissions
Datastore Browser - [datastore1]
Upload Items
« Wenura@Soft › OS › baremetal ›
Search baremetal
Organize New folder
baremetal
5.5 Update
CD Key Win
Fedora-20-x
Microsoft T
Windows 7
Windows 8.
Windows 1
OxfordAdv.2
PCRemoteSe
Photoshopcs
RSM_window
Name
Date modified
Type
5.5 Update 02
7/25/2016 6:01 PM
File folder
kali-linux-2.0-amd64.iso
8/20/2015 11:11 PM
Disc Image File
File name:
Open
Cancel
Recent Tasks
Name, Target or Status contains:
Clear
Name
Target
Auto power On
Tasks
Screenshot Added
A screenshot was added to your Dropbox.
Evaluation Mode: 60 days remaining
root
Desktop
7:39 AM


192.168.125.134 - vSphere Client
File Edit View Inventory Administration Plug-ins Help
Home Inventory Inventory
192.168.125.134
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
Datastore Browser - [datastore1]
Upload Items
« Wenura@Soft › OS › baremetal ›
Search baremetal
Organize New folder
baremetal
5.5 Update
CD Key Win
Fedora-20-x
Microsoft T
Windows 7
Windows 8.
Windows 1
OxfordAdv.2
PCRemoteSe
Photoshopcs
RSM_window
Name
Date modified
Type
5.5 Update 02
7/25/2016 6:01 PM
File folder
kali-linux-2.0-amd64.iso
8/20/2015 11:11 PM
Disc Image File
File name: kali-linux-2.0-amd64.iso
Open
Cancel
Recent Tasks
Name, Target or Status contains:
Clear
Name
Target
Auto power On
Tasks
Screenshot Added
A screenshot was added to your Dropbox.
Evaluation Mode: 60 days remaining
root
Desktop
7:39 AM

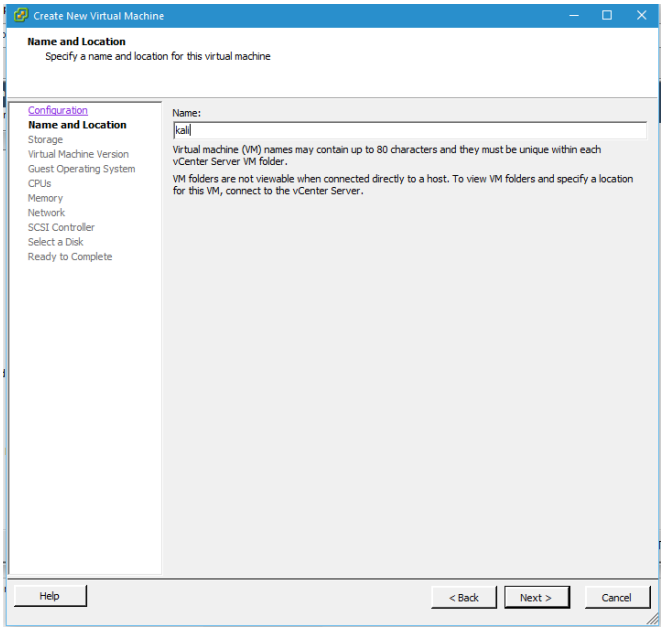

192.168.125.134 - vSphere Client
File Edit View Inventory Administration Plug-ins Help
Home Inventory Inventory
192.168.125.134
localhost.localdomain VMware ESXi, 5.5.0, 2068190 | Evaluation (60 days remaining)
Uploading...
F:\Wenura@Soft\OS\baremetal\kali-linux-2.0-amd64.iso
From F:\Wenura@Soft\OS\baremetal\kali-linux-2.0-amd64.iso to [datastore1] .sdd.sf/kali-linux-2.0-amd64.iso
Cancel
5 minute(s) and 13 second(s) remaining
Size
Type
Path
Folder
[datastore1].sdd.sf
Host Profile:
N/A
Image Profile:
ESXi-5.5.0-20140902001-st...
Host Management
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
8/14/2016 7:39:34 AM
8/14/2016 7:39:34 AM
8/14/2016 7:39:34 AM
Auto power On
192.168.125.1...
Completed
root
8/14/2016 7:31:16 AM
8/14/2016 7:31:16 AM
8/14/2016 7:31:16 AM
Tasks
Evaluation Mode: 60 days remaining
root
Desktop
7:39 AM

- Install the Operation system into virtual machine

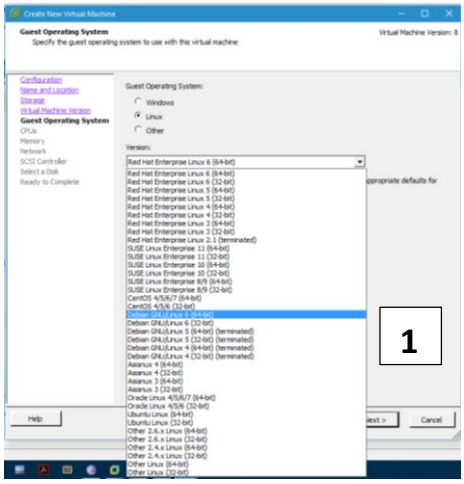
23. Right click the Ip address then select the “new virtual machine” option.

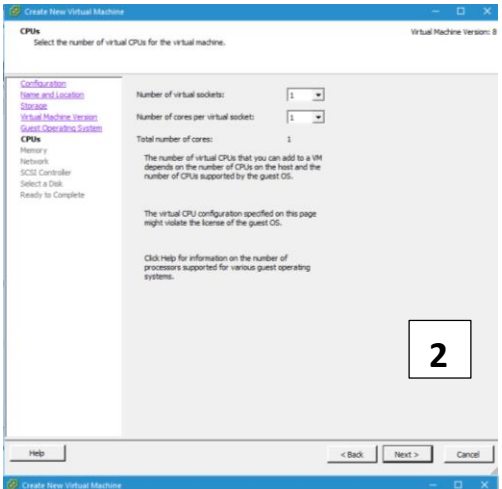


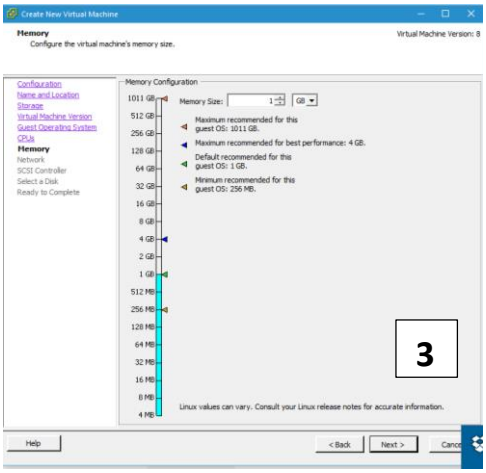
24. Set the virtual machine name and click next.

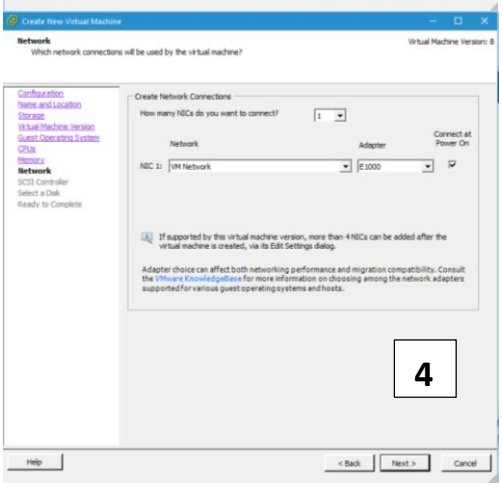


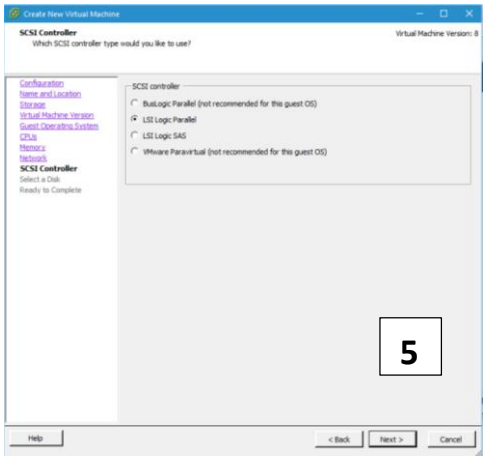
25. If you want change configurations details you can do according to following windows .if not click next button

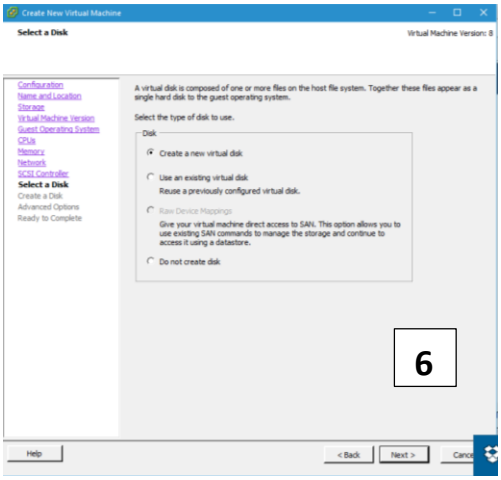


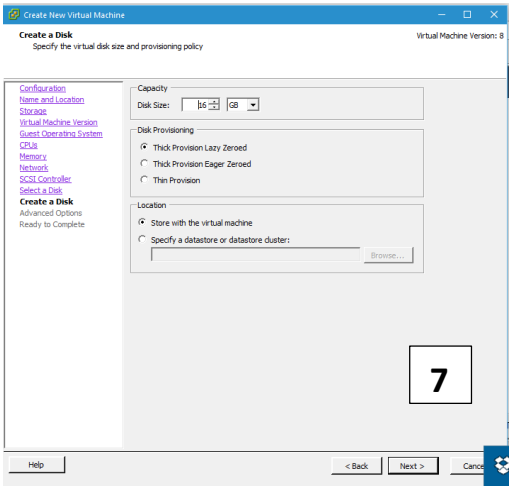


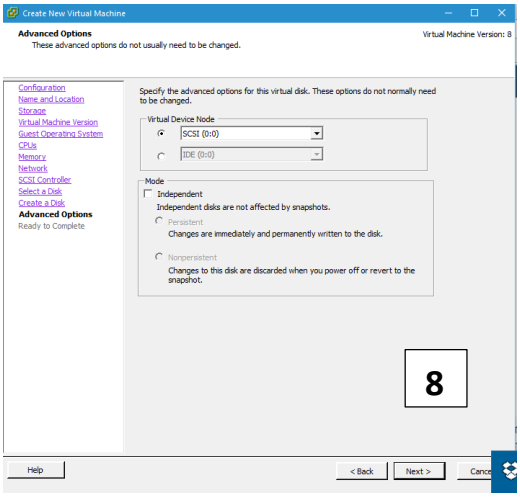


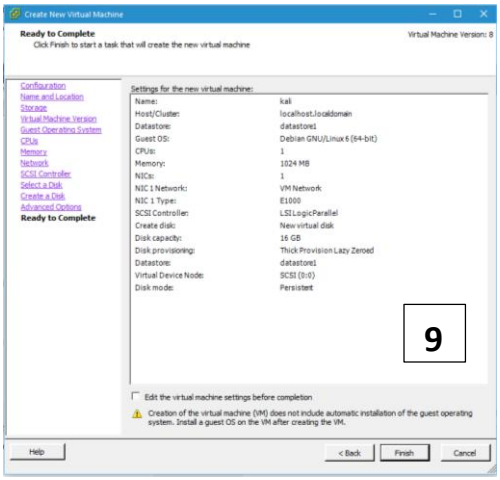




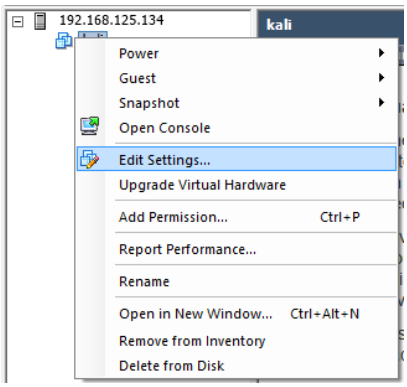




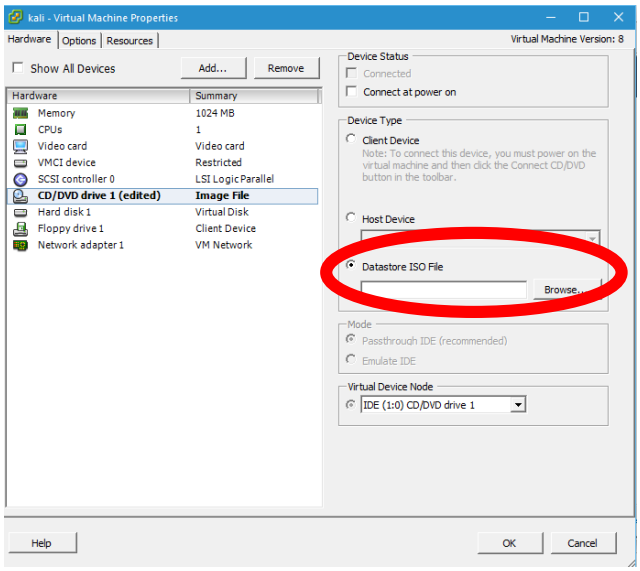




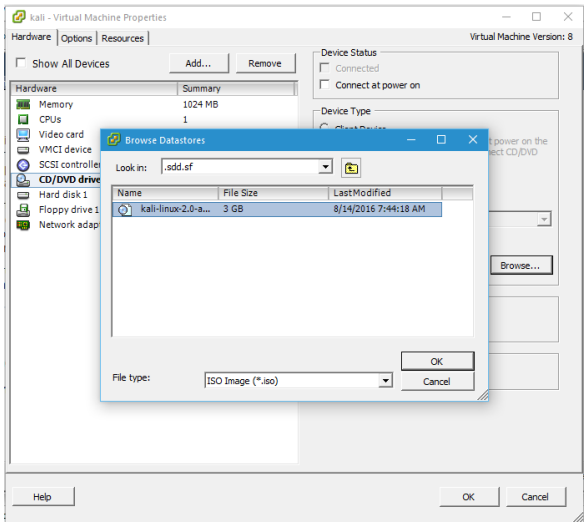
26. Right click the operating system name and select the edit setting.



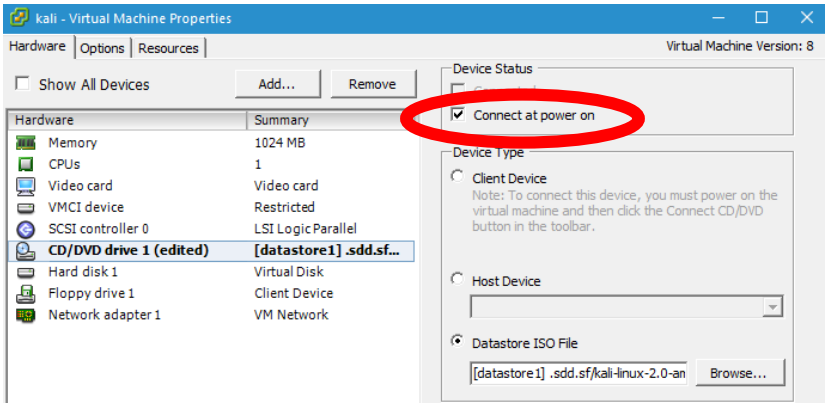
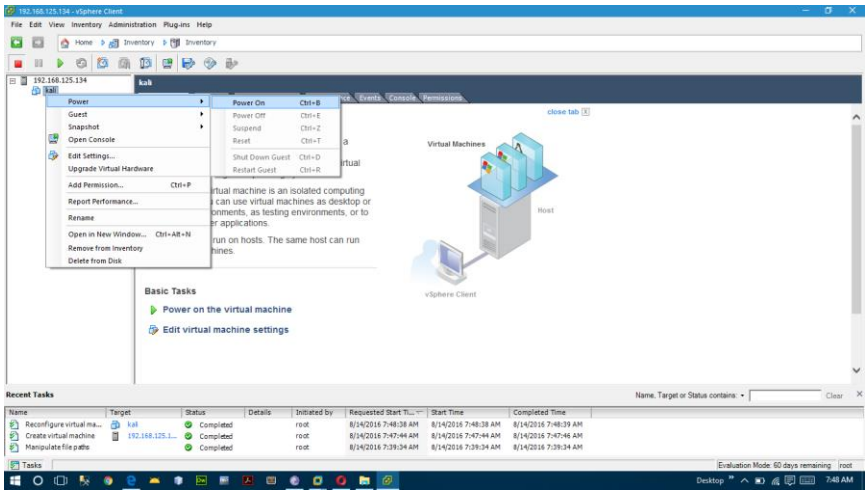
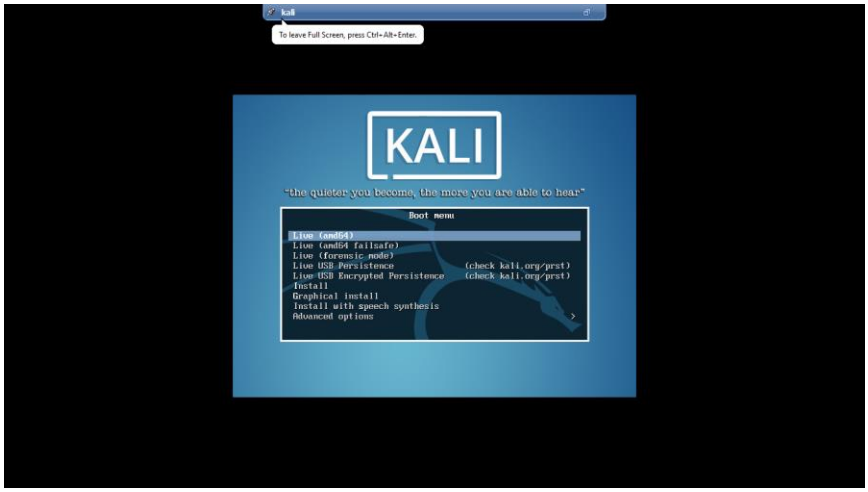
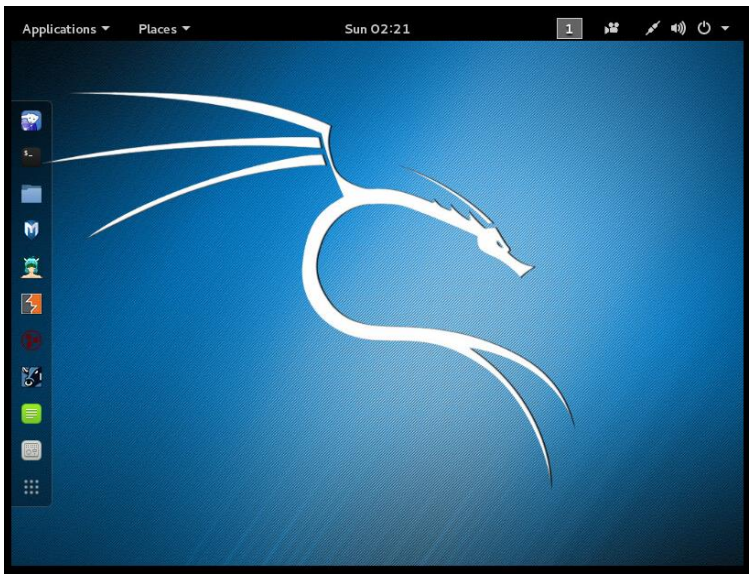
27. In edit window go to hardware tab and select the CD/DVD drive hardware. Then select datastore ISO file.



28. Browse the ISO file



29. Finally select connect od power on in the device status section



30. Power on the virtual machine and run the operation system .