SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY

Enterprise Standards and Best Practices for IT Infrastructure

4th Year 2nd Semester 2016

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SLIIT ID: IT 13149154

Practical Session: <WD>

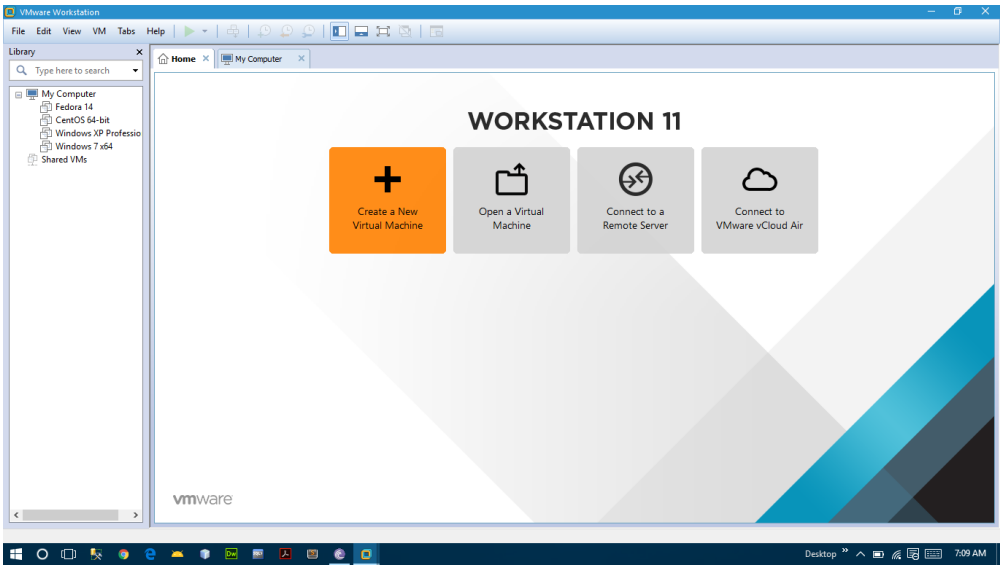
Date of Submission: 16/08/2016

Date of Evaluation : _____

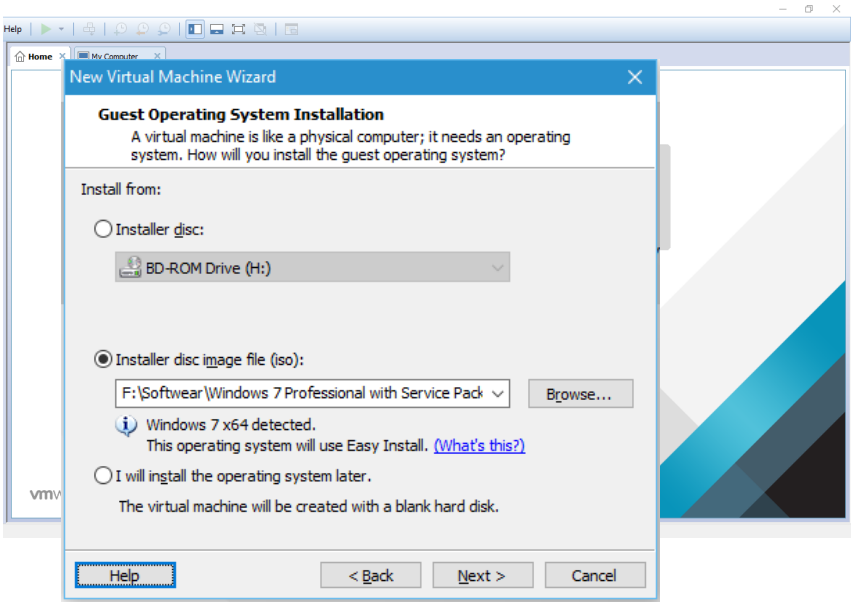
Evaluators Signature : _____

Baremetal Virtual Machine Installation

1. Open VMware and create a new virtual machine.

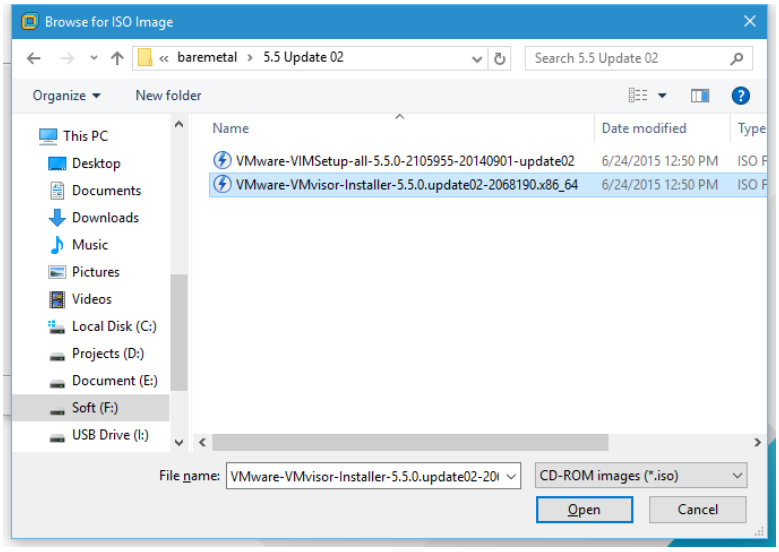


2. select the custom and click the next.

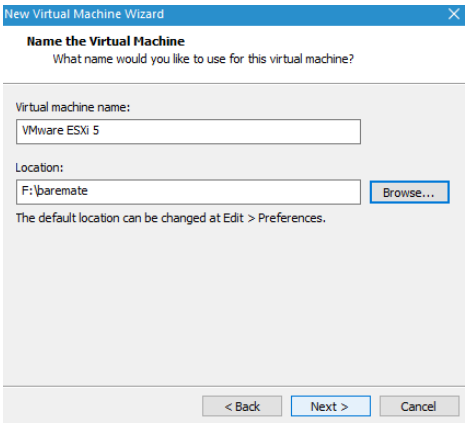


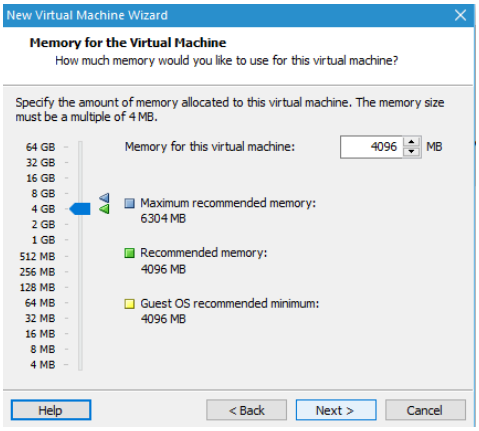
3. Select the installer disc image file and click the brows.

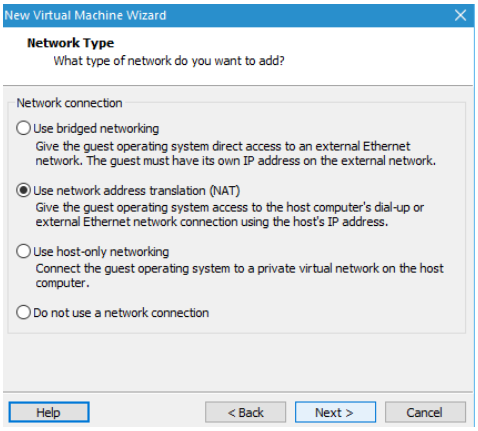
4. Brows baremetal image in your computer then open the file.

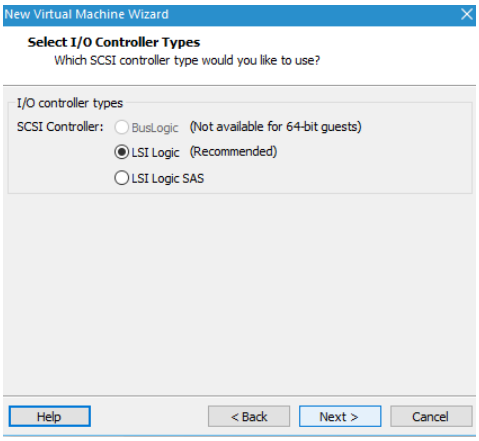


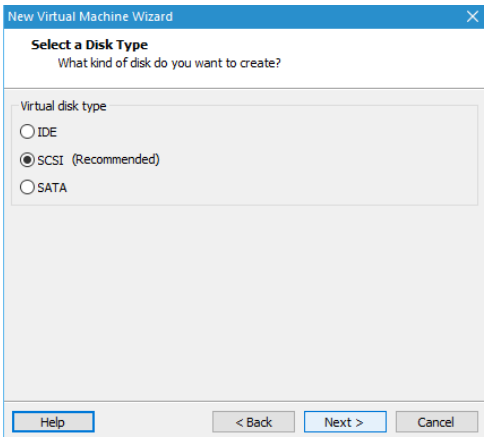
5. No need change any thing click next .

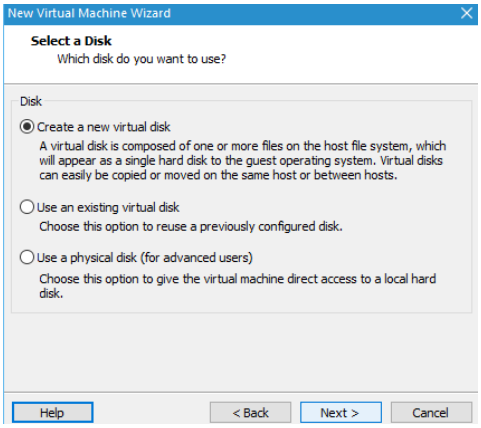


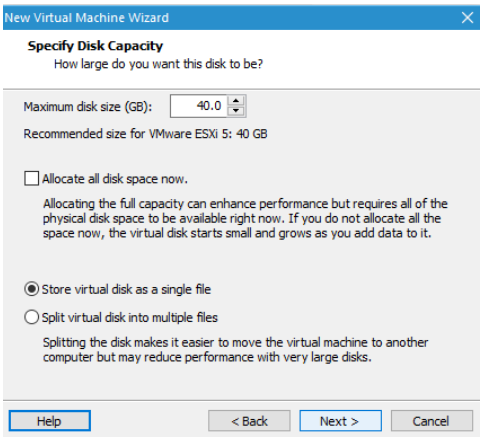


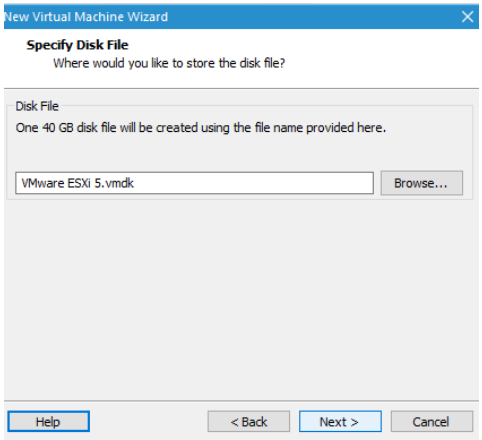


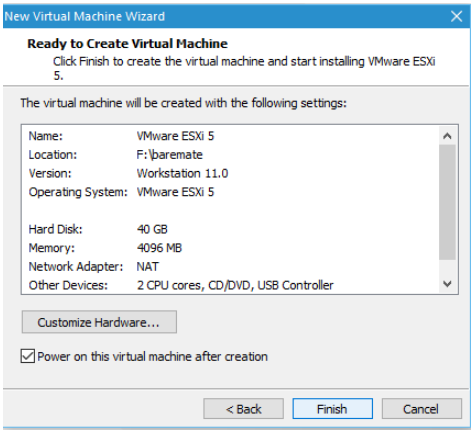




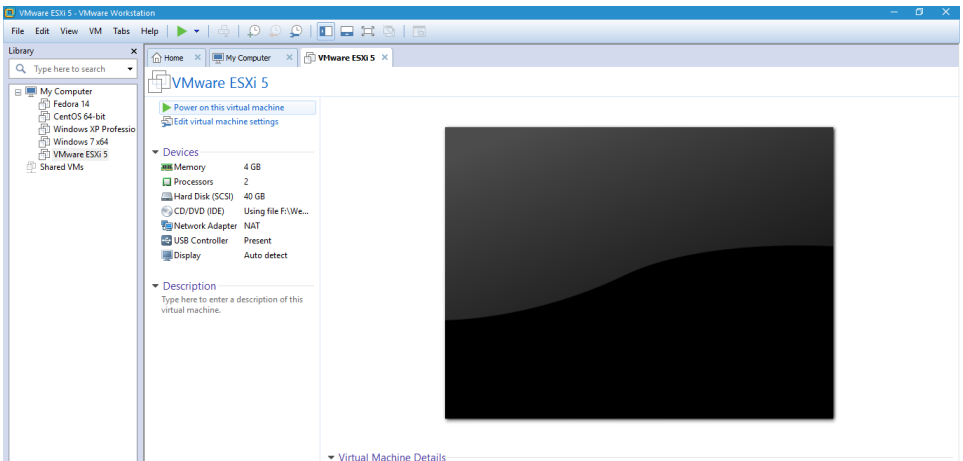


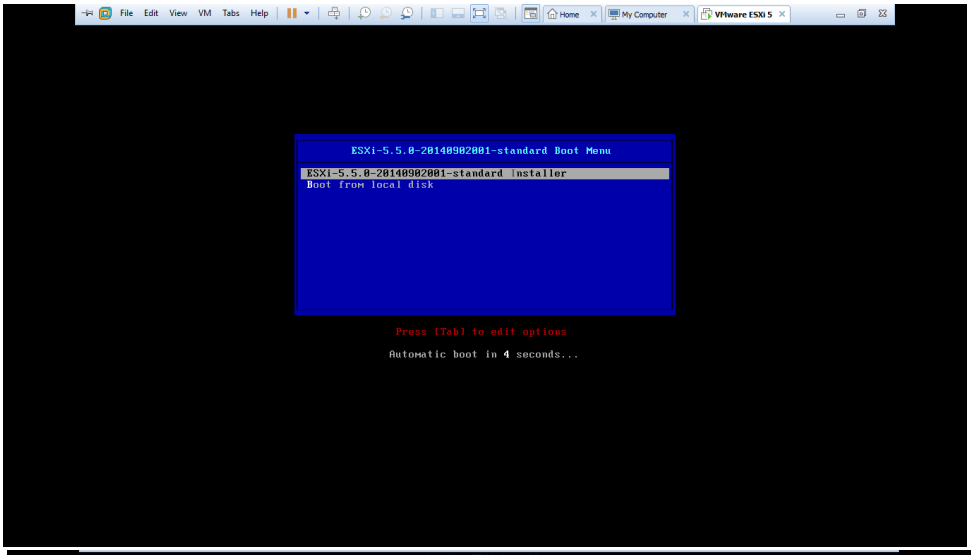


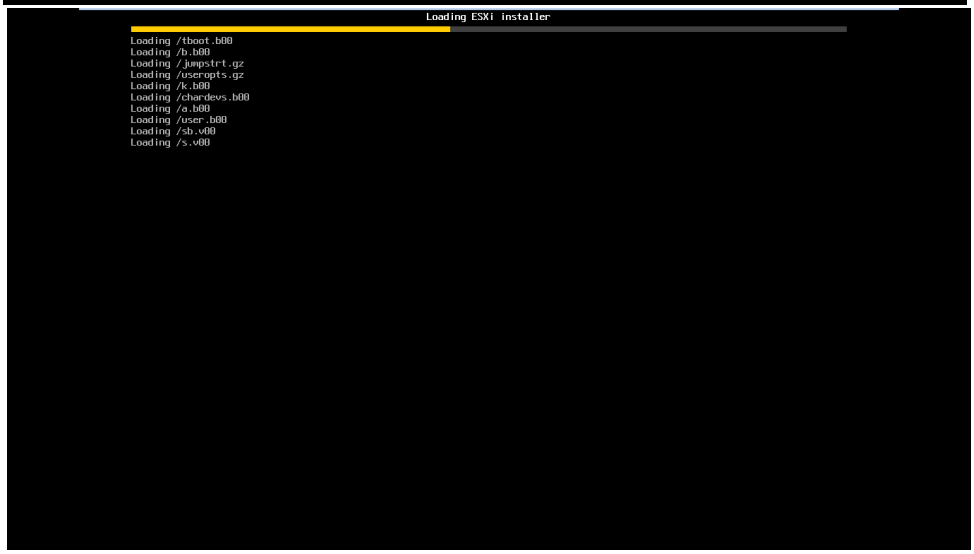


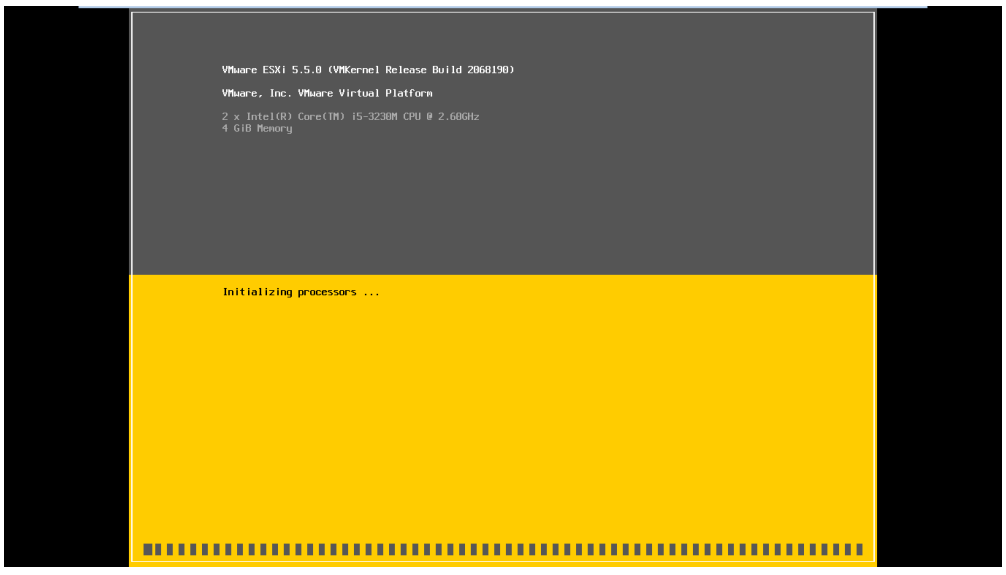


6. Then run the baremetal server



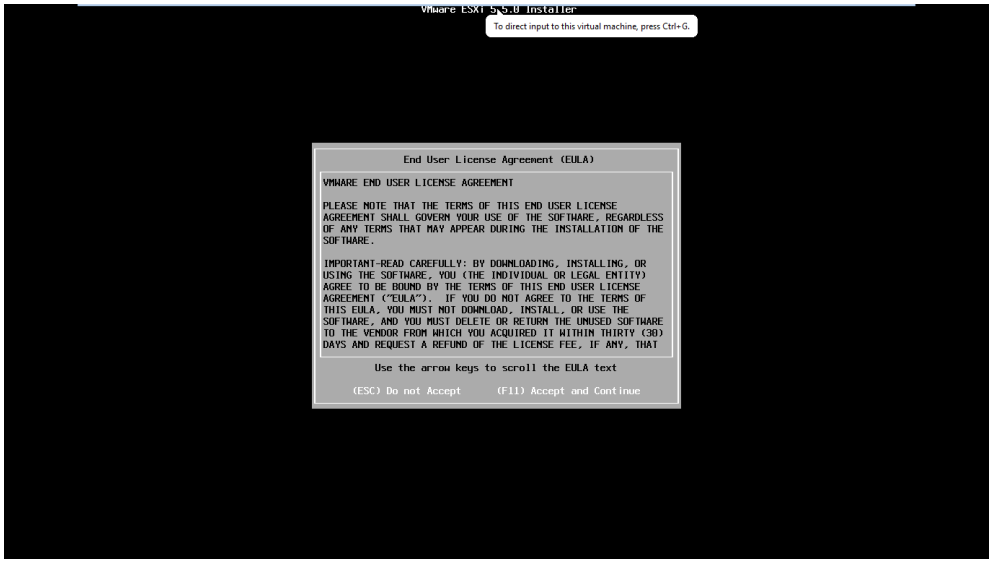

File Edit View VM Tabs Help
Home
My Computer
VMware ESXi 5
ESXi-5.5.0-20140902001-standard Boot Menu
ESXi-5.5.0-20140902001-standard installer
Boot from local disk
Press [Tab] to edit options
Automatic boot in 4 seconds...


Loading ESXi installer
Loading /tboot.b00
Loading /b.b00
Loading /jumpstrt.gz
Loading /useropts.gz
Loading /k.b00
Loading /chardevs.b00
Loading /a.b00
Loading /user.b00
Loading /sb.v00
Loading /s.v00

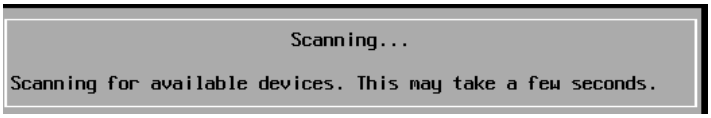

VMware ESXi 5.5.0 (VMkernel Release Build 2068190)
VMware, Inc. VMware Virtual Platform
2 x Intel(R) Core(TM) i5-3230M CPU @ 2.60GHz
4 GiB Memory
Initializing processors ...

7. press Enter to setup the baremetal

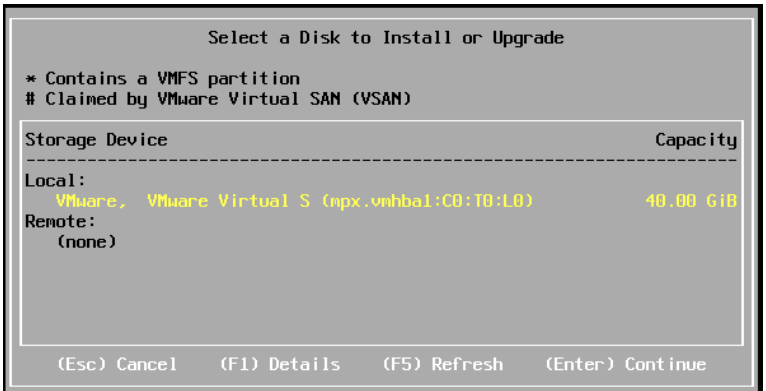
8. Then press F11 accept license

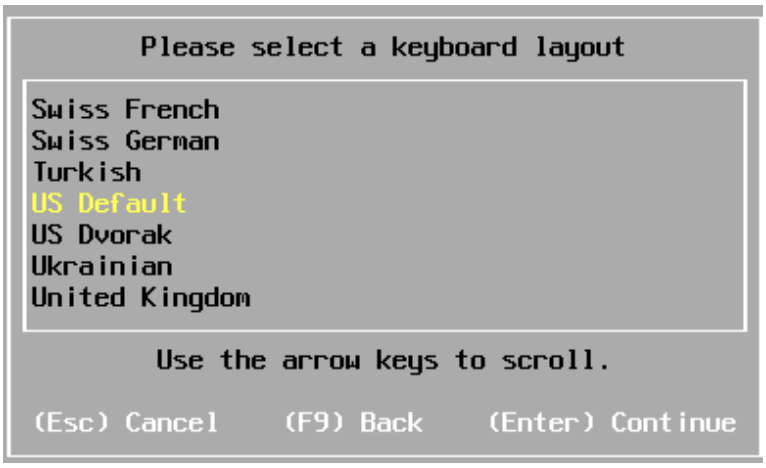


9. After accepting automatically check the hardware requirement

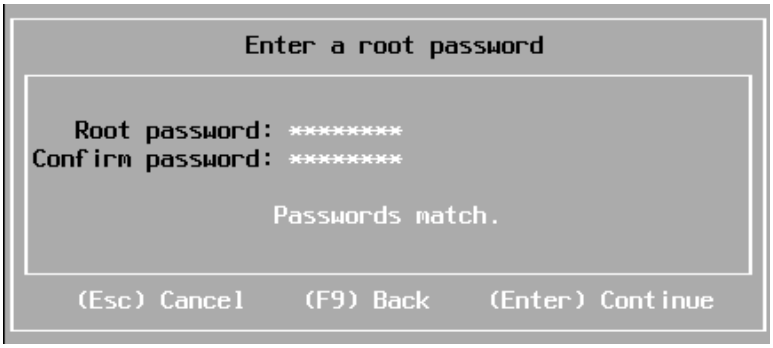


10. Select disk to install and press Enter button

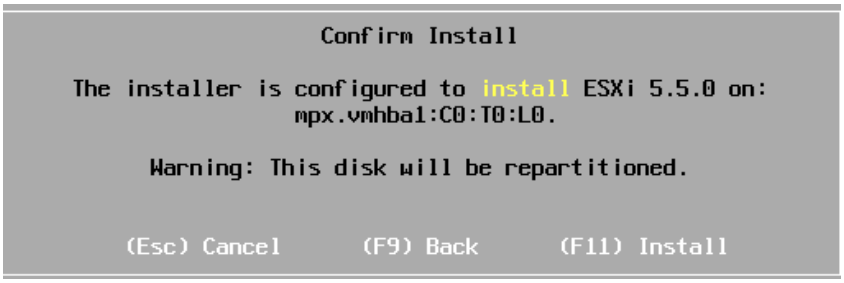


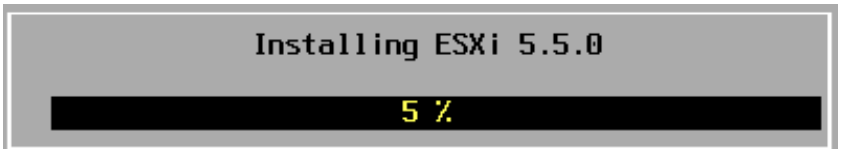


11. set the password to ESXI

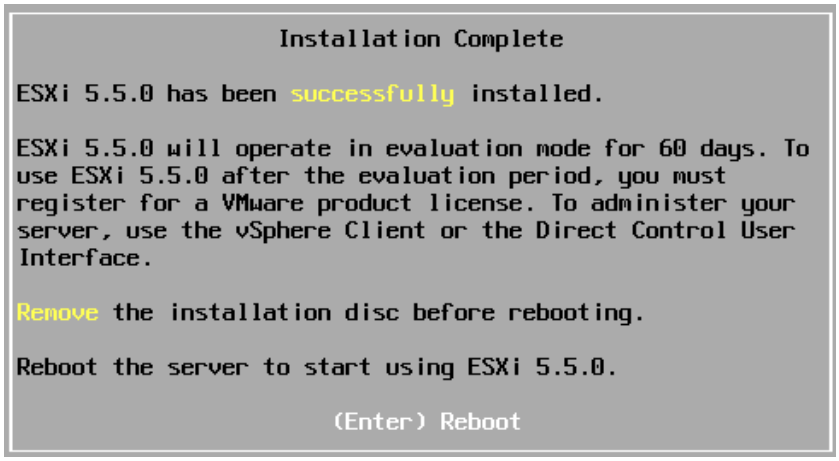


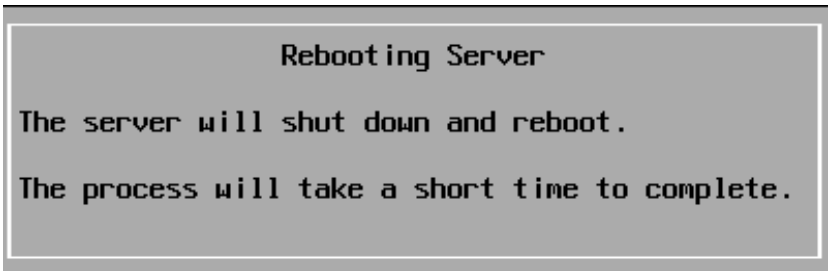
12. confirm the install baremetal

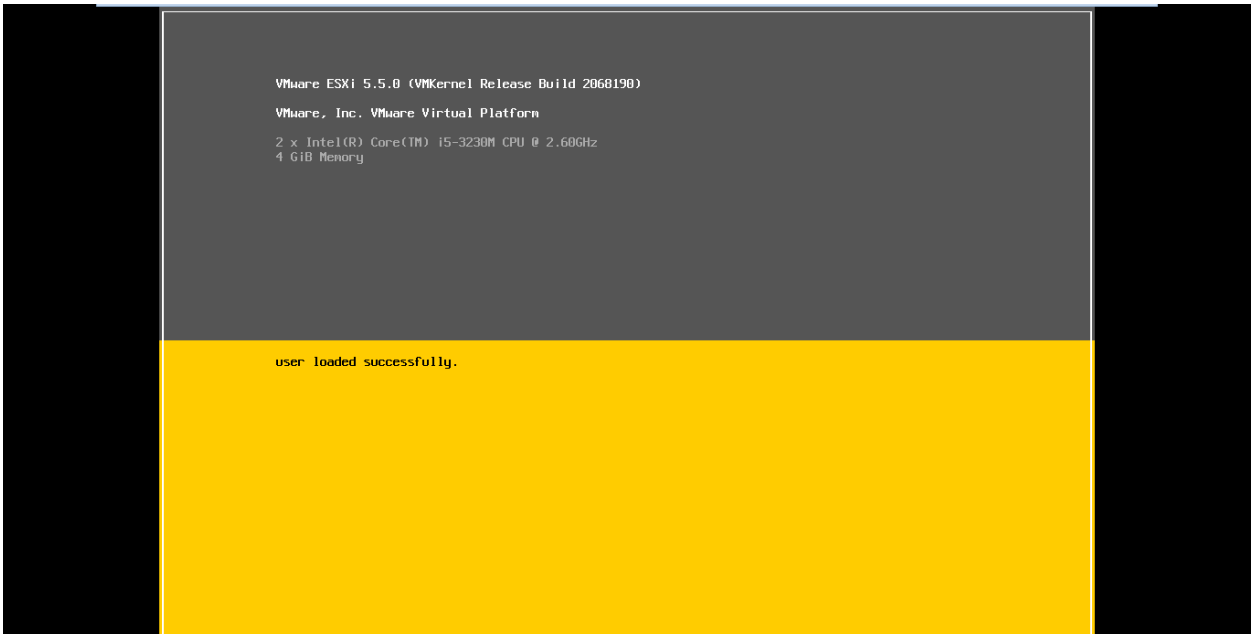


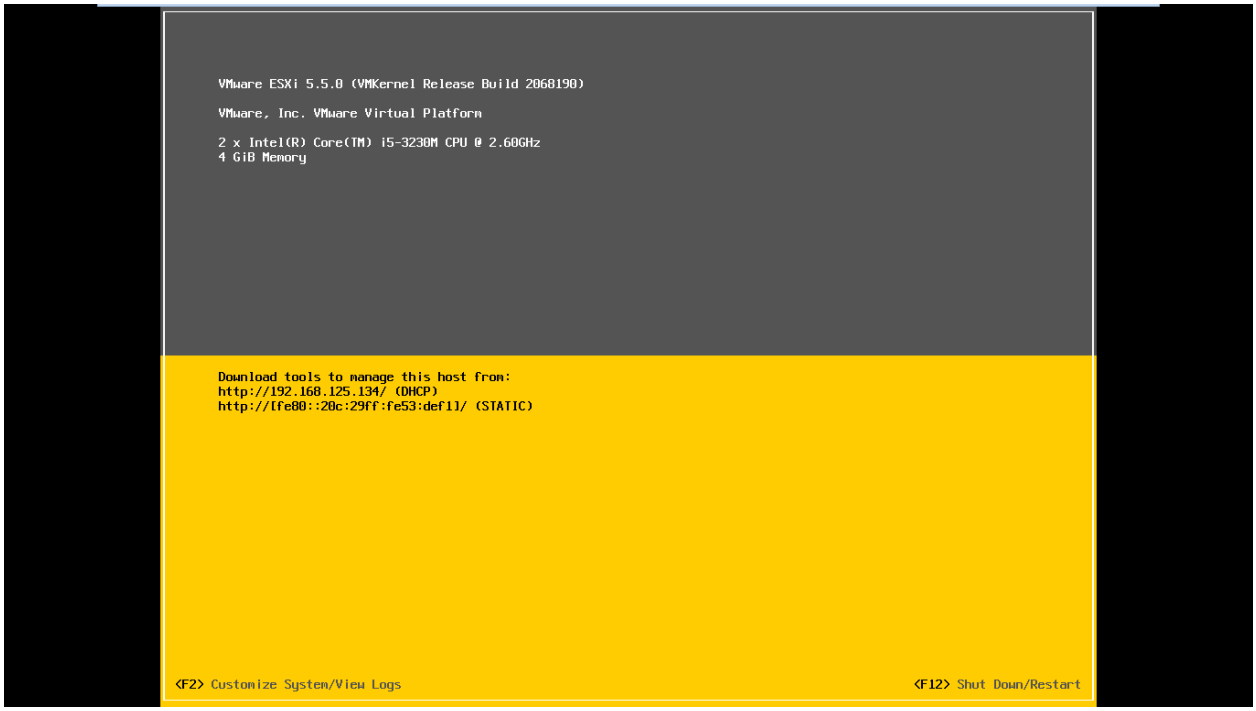


13. reboot the baremetal press the Enter



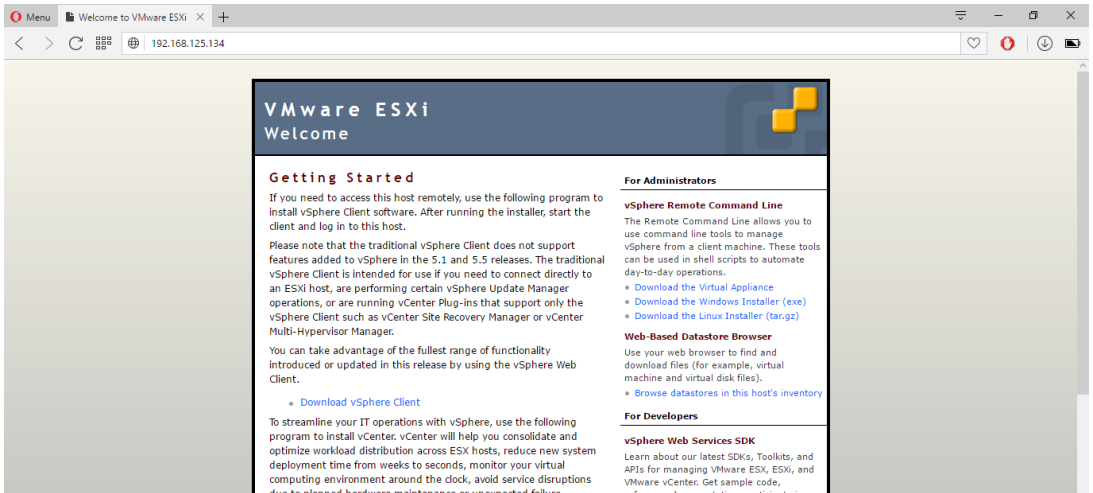




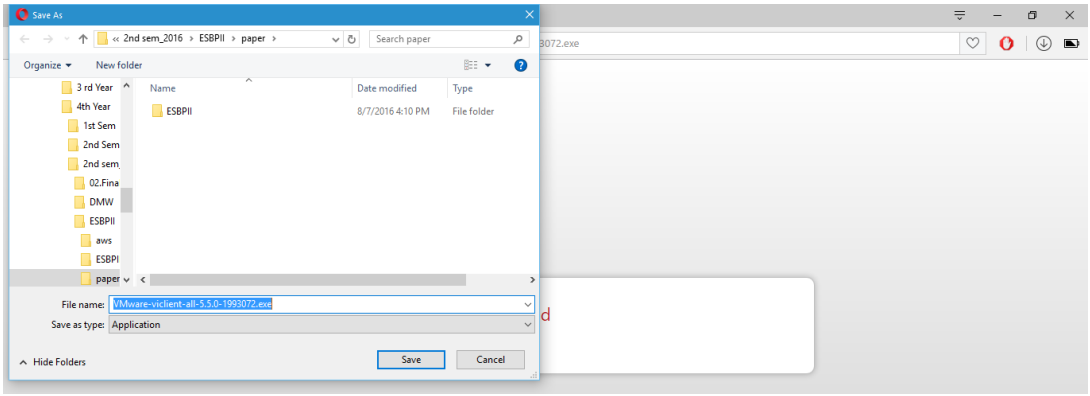


- **Install the opering system to ESXI**

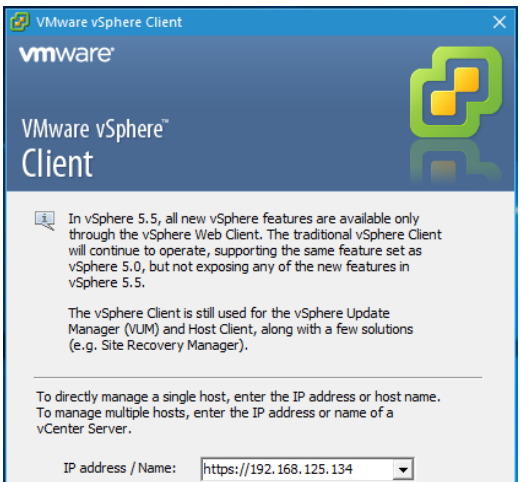
14. Open the brows in your computer type the ip address in ESXI and press Enter.
15. Click the download vSpher clicnt .



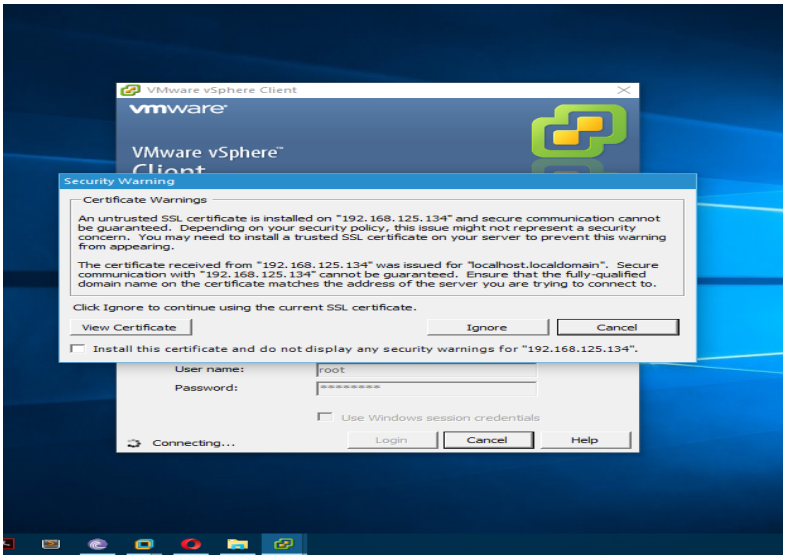
16. Download the exe file and install in to the mechine



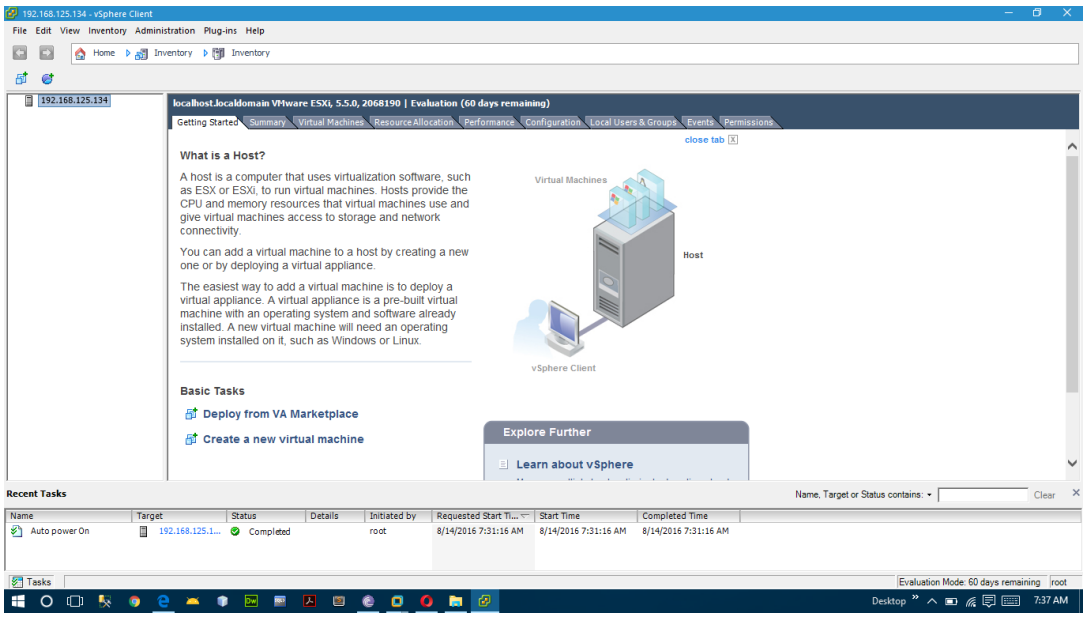
17. Run the vmware vsphere and fill the IPaddress username password



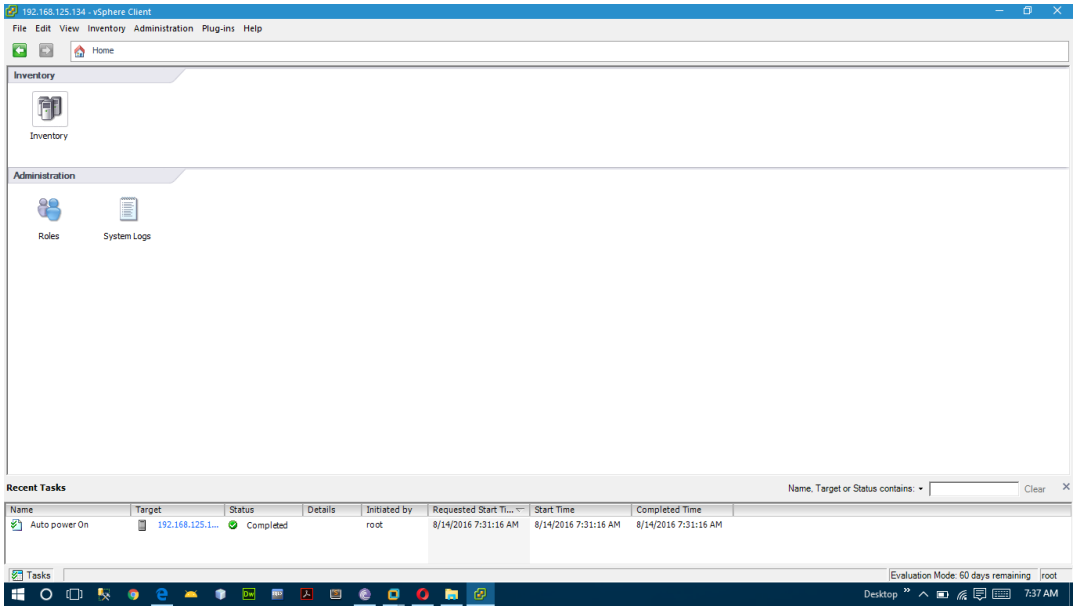
18. click ignore button to ignore the security warring message.



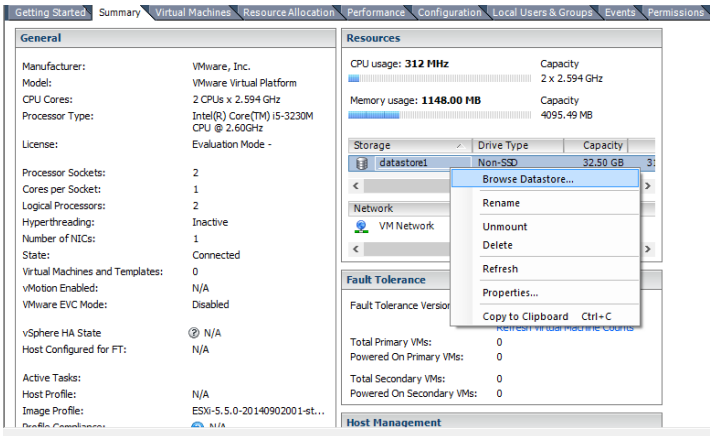
19. When succefully competed vmware vsphere your window look like below.then click the home tabe

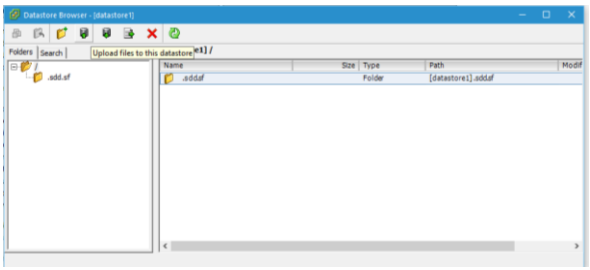


20. select the inventory icon and double click the icon

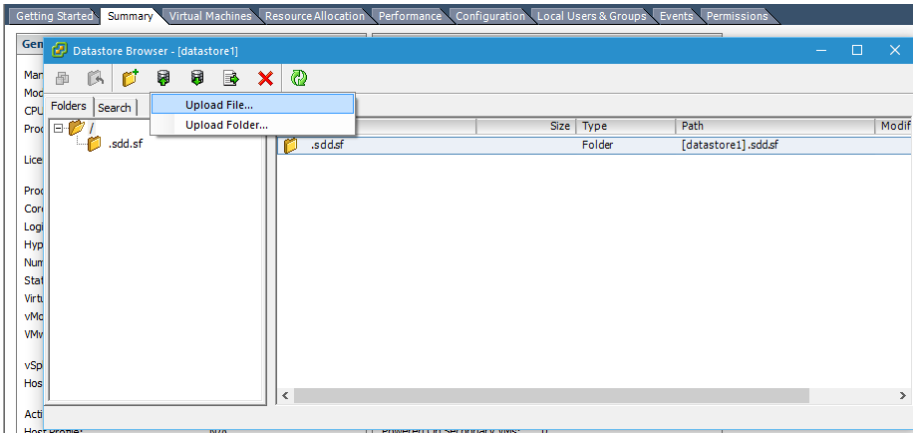


21. Go to the summery tab select dataset and right click the dataset. Then open the dataset.



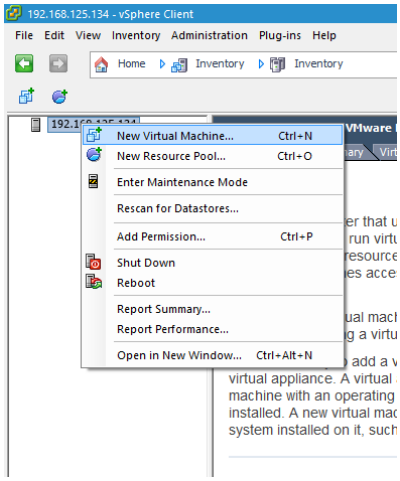


22. Select the upload button .upload the operating system.

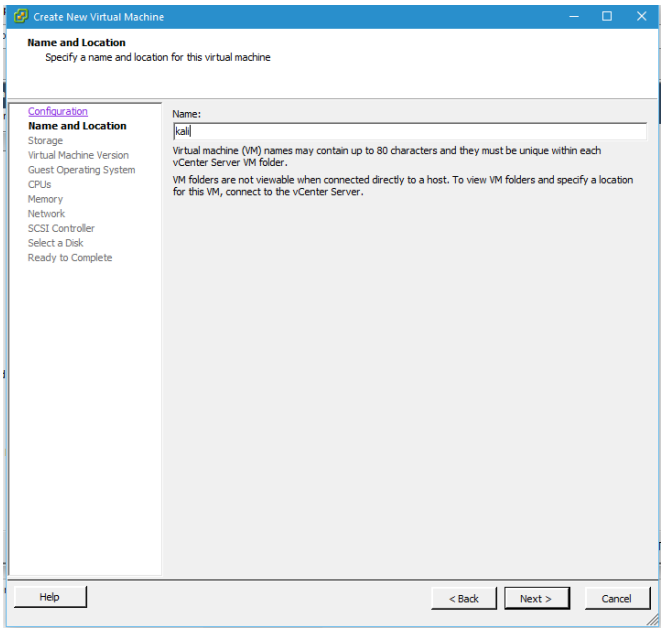


- Install the Operation system into virtual machine

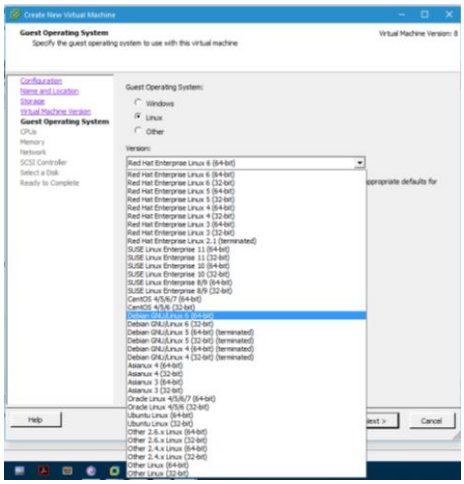
23. Right click the ip address then click the new virtual machine.

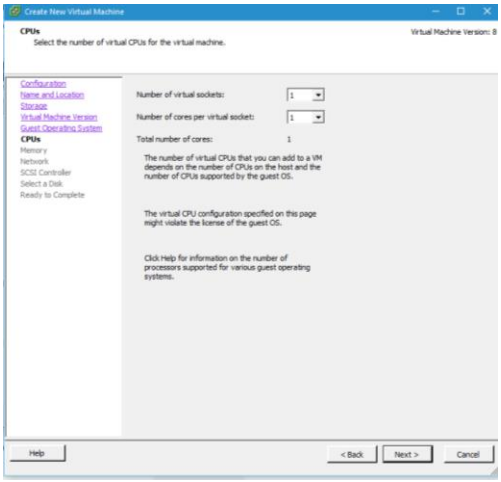


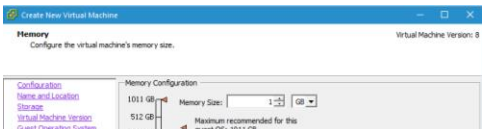
24. Set the virtual machine name and click next.

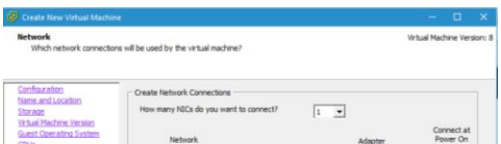


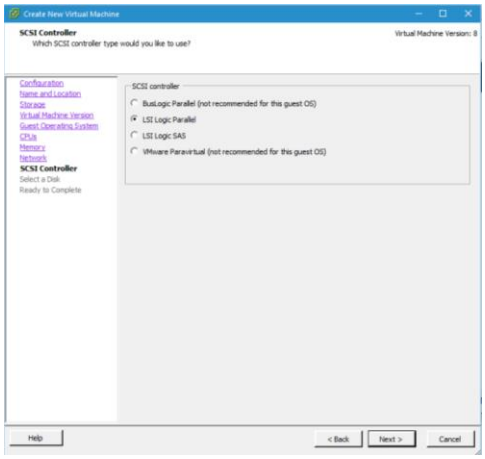
25. If you want change configurations details you can do this flowing windows .if not click next button

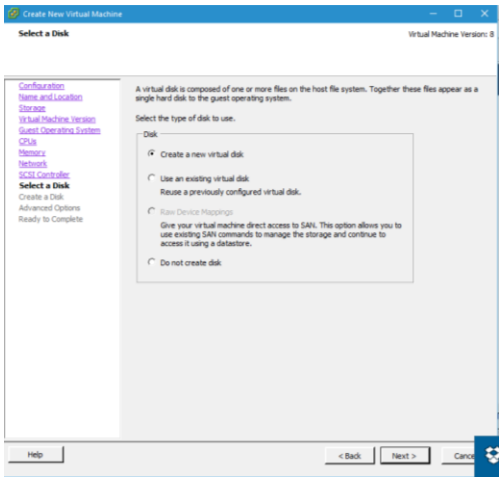


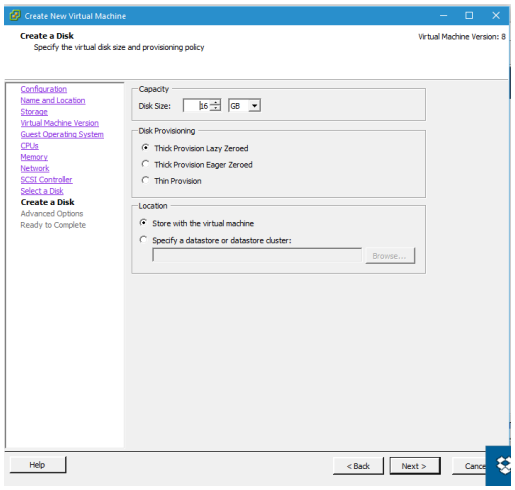


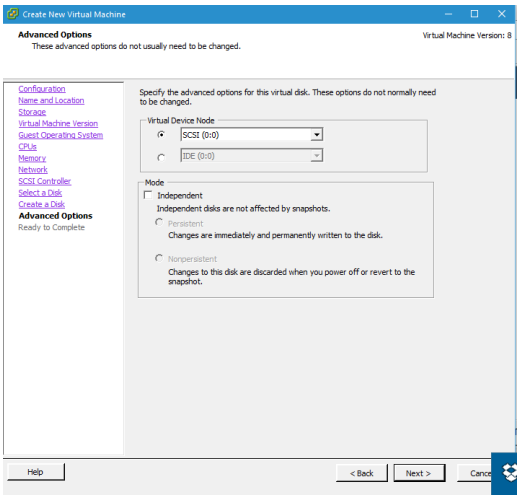


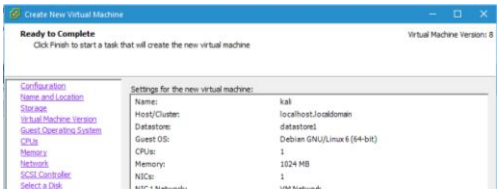



Create New Virtual Machine
SCSI Controller
Which SCSI controller type would you like to use?
Virtual Machine Version: 8
Configuration
Name and Location
Storage
Virtual Machine Version
Guest Operating System
CPUs
Memory
Network
SCSI Controller
Select a Disk
Ready to Complete
SCSI controller
BusLogic Parallel (not recommended for this guest OS)
LSI Logic Parallel
LSI Logic SAS
VMware Paravirtual (not recommended for this guest OS)
Help
< Back
Next >
Cancel

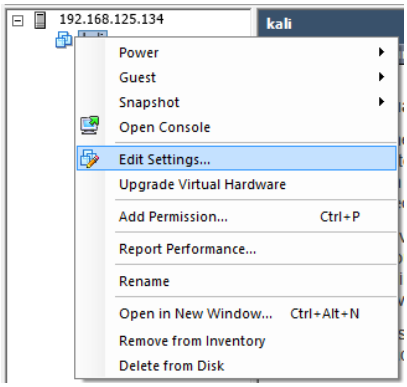

Create New Virtual Machine
Select a Disk
Virtual Machine Version: 8
Configuration
Name and Location
Storage
Virtual Machine Version
Guest Operating System
CPUs
Memory
Network
SCSI Controller
Select a Disk
Create a Disk
Advanced Options
Ready to Complete
A virtual disk is composed of one or more files on the host file system. Together these files appear as a single hard disk to the guest operating system.
Select the type of disk to use.
Disk
Create a new virtual disk
Use an existing virtual disk
Reuse a previously configured virtual disk.
Raw Device Mappings
Give your virtual machine direct access to SAN. This option allows you to use existing SAN commands to manage the storage and continue to access it using a datastore.
Do not create disk
Help
< Back
Next >


Create New Virtual Machine
Create a Disk
Specify the virtual disk size and provisioning policy
Virtual Machine Version: 8
Configuration
Name and Location
Storage
Virtual Machine Version
Guest Operating System
CPUs
Memory
Network
SCSI Controller
Select a Disk
Create a Disk
Advanced Options
Ready to Complete
Capacity
Disk Size:
16
GB
Disk Provisioning
Thick Provision Lazy Zeroed
Thick Provision Eager Zeroed
Thin Provision
Location
Store with the virtual machine
Specify a datastore or datastore cluster:
Browse...
Help
< Back
Next >

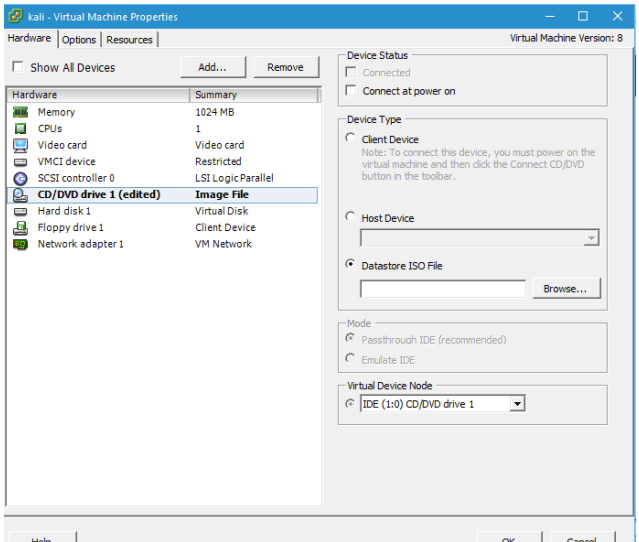

Create New Virtual Machine
Advanced Options
These advanced options do not usually need to be changed.
Virtual Machine Version: 8
Configuration
Name and Location
Storage
Virtual Machine Version
Guest Operating System
CPUs
Memory
Network
SCSI Controller
Select a Disk
Create a Disk
Advanced Options
Ready to Complete
Specify the advanced options for this virtual disk. These options do not normally need to be changed.
Virtual Device Node
SCSI (0:0)
IDE (0:0)
Mode
Independent
Independent disks are not affected by snapshots.
Persistent
Changes are immediately and permanently written to the disk.
Nonpersistent
Changes to this disk are discarded when you power off or revert to the snapshot.
Help
< Back
Next >


Create New Virtual Machine
Ready to Complete
Click Finish to start a task that will create the new virtual machine
Virtual Machine Version: 8
Configuration
Name and Location
Storage
Virtual Machine Version
Guest Operating System
CPUs
Memory
Network
SCSI Controller
Select a Disk
Settings for the new virtual machine:
Name: kali
Host/Cluster: localhost.localdomain
Datastore: datastore1
Guest OS: Debian GNU/Linux 6 (64-bit)
CPUs: 1
Memory: 1024 MB
NICs: 1

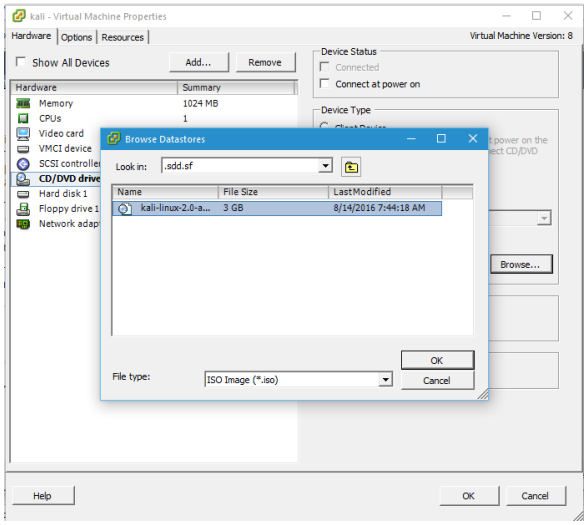
26. Right click the operating system name and select the edit setting.



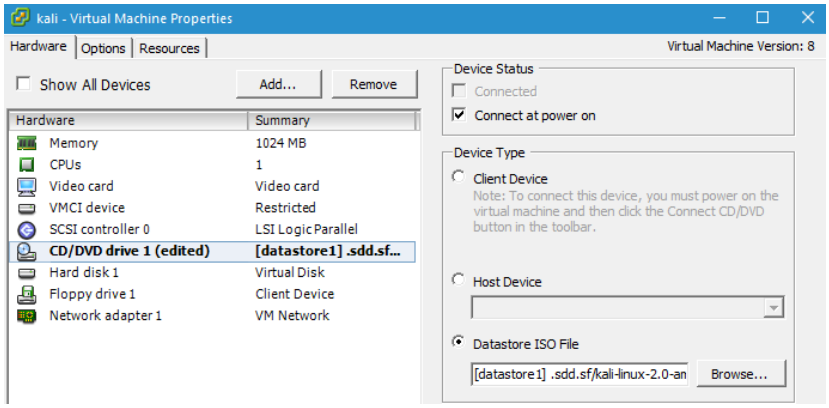
27. In edit window go to hardware tab and select the CD/DVD drive hardware. Then select datastore ISO file.



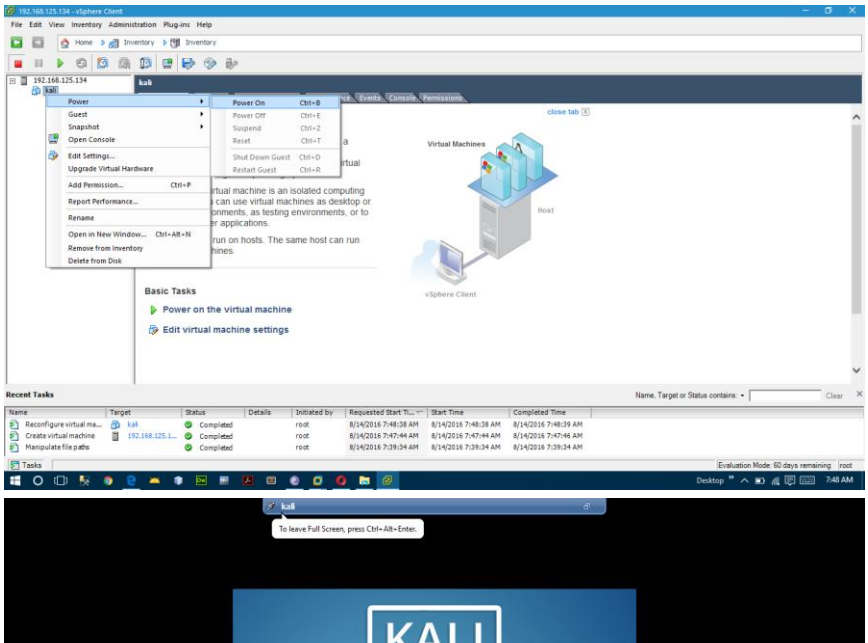
28. Browse the ISO file

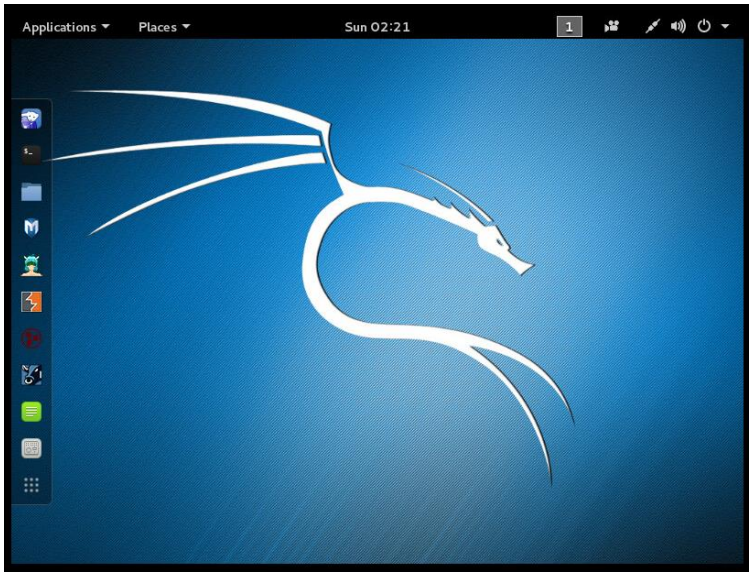


29. Finally select connect od power on in the device status section



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




Applications
Places
Sun 02:21
1