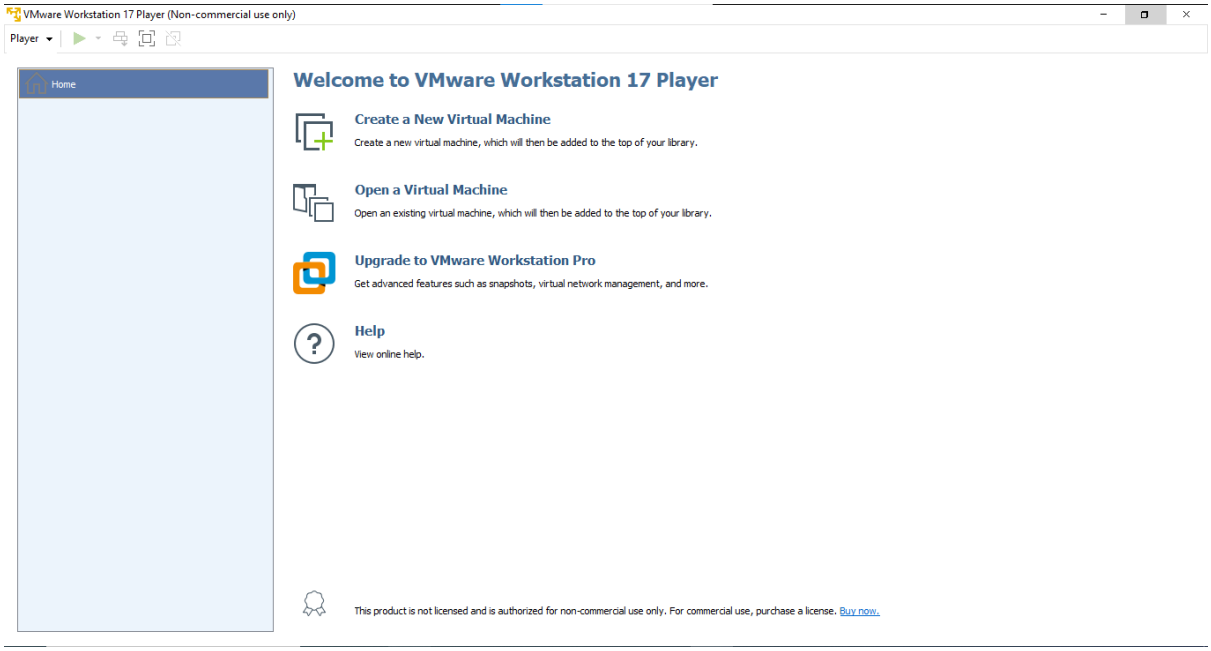
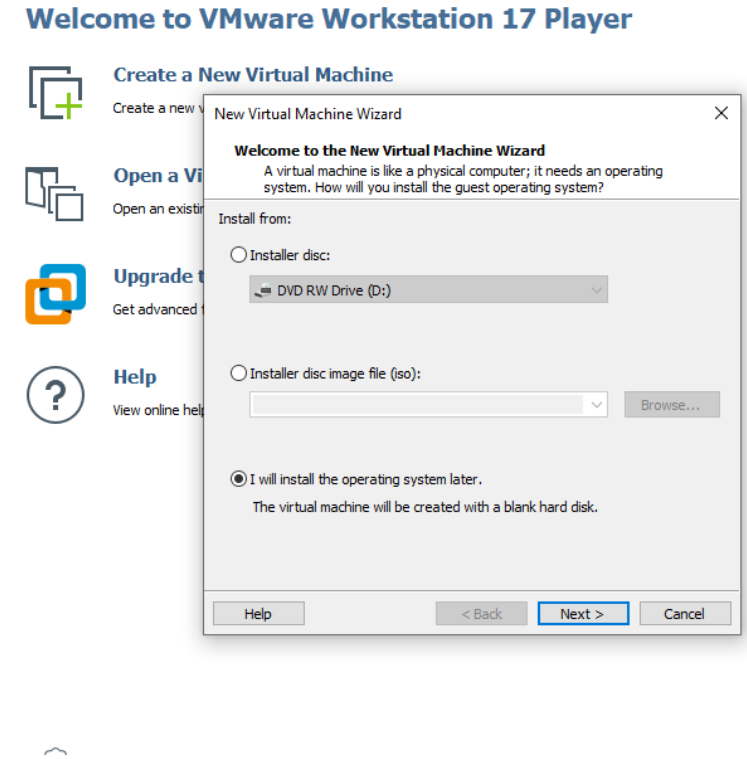
Aarya TIwari

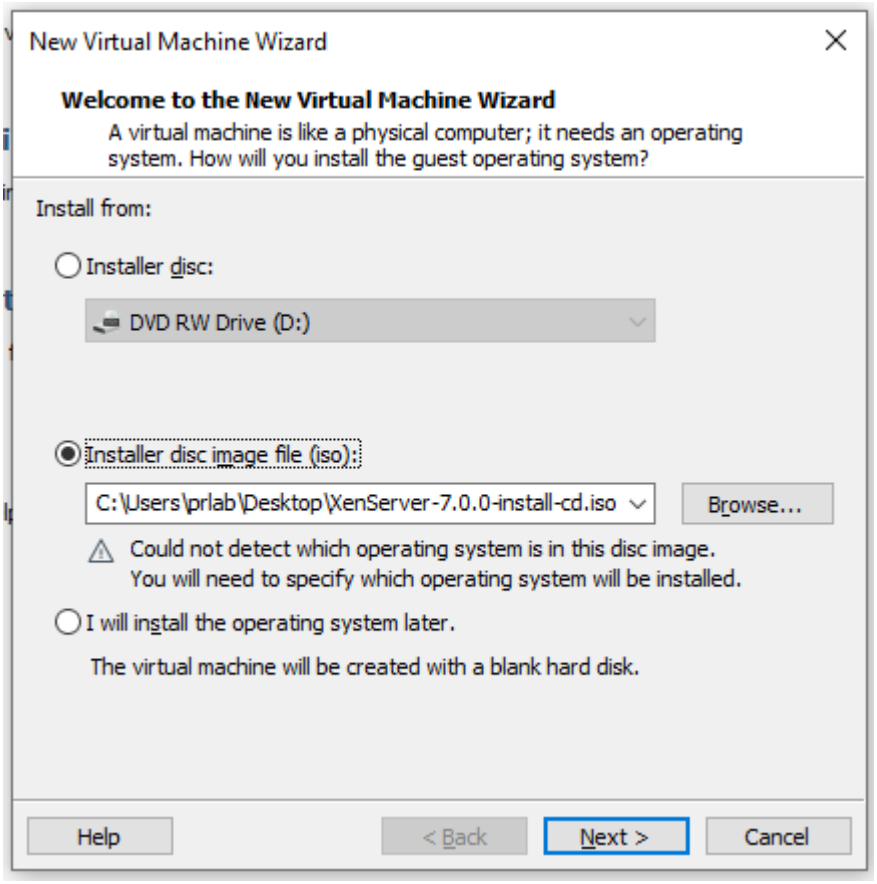
A3

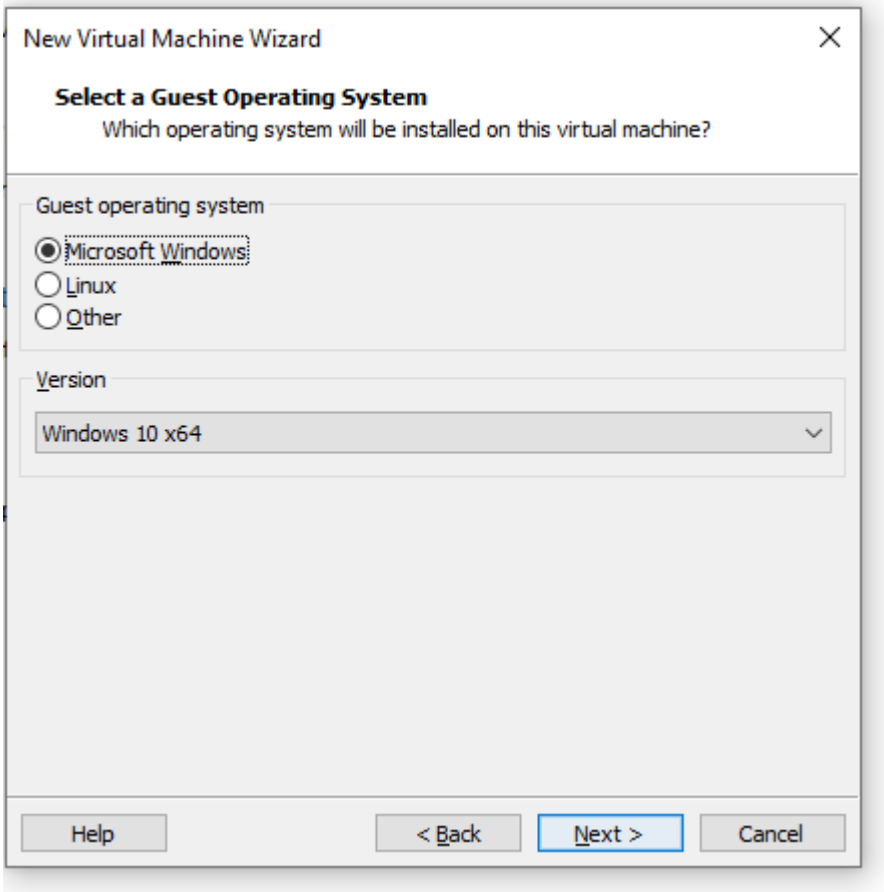
16010421119

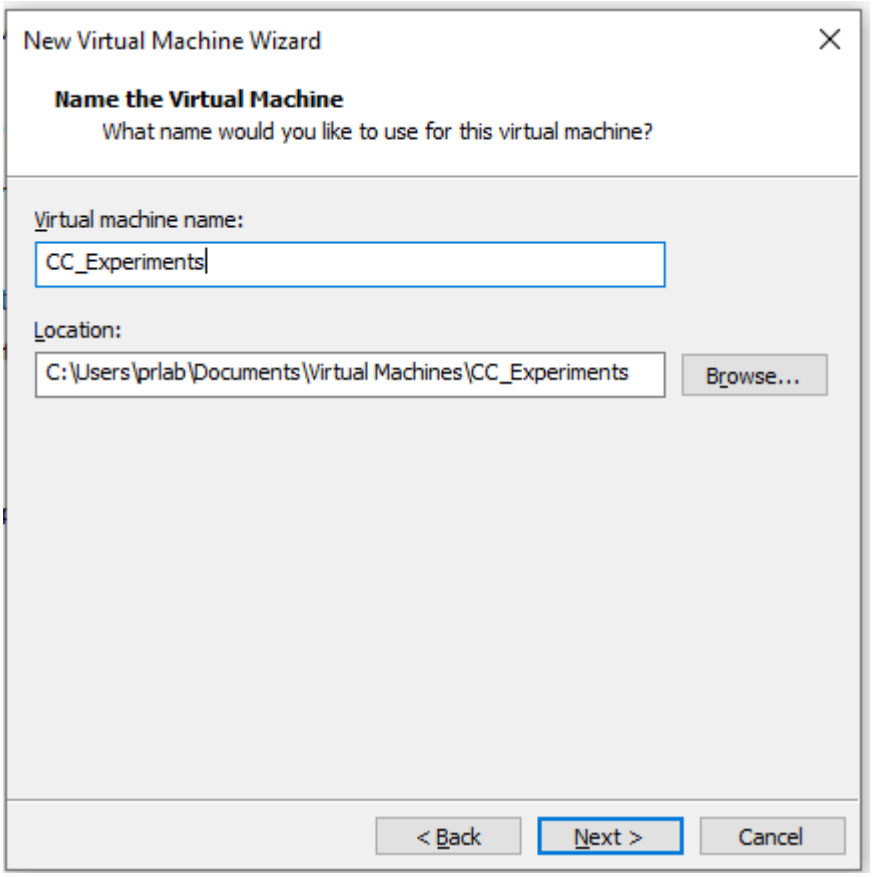
CC EXP1

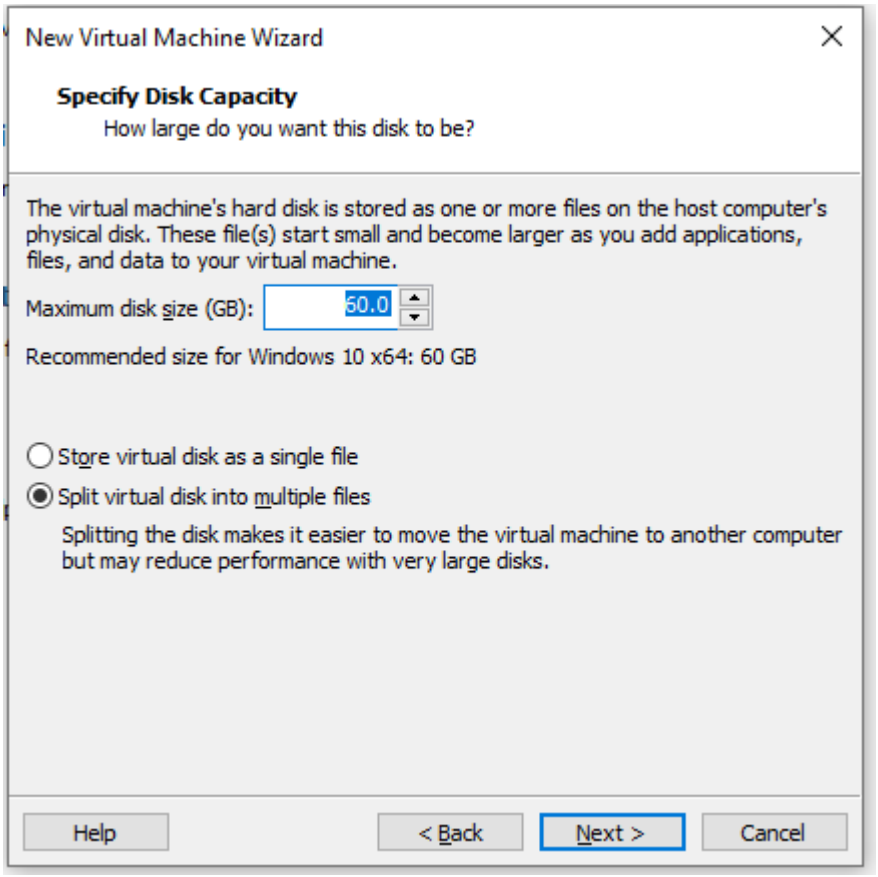


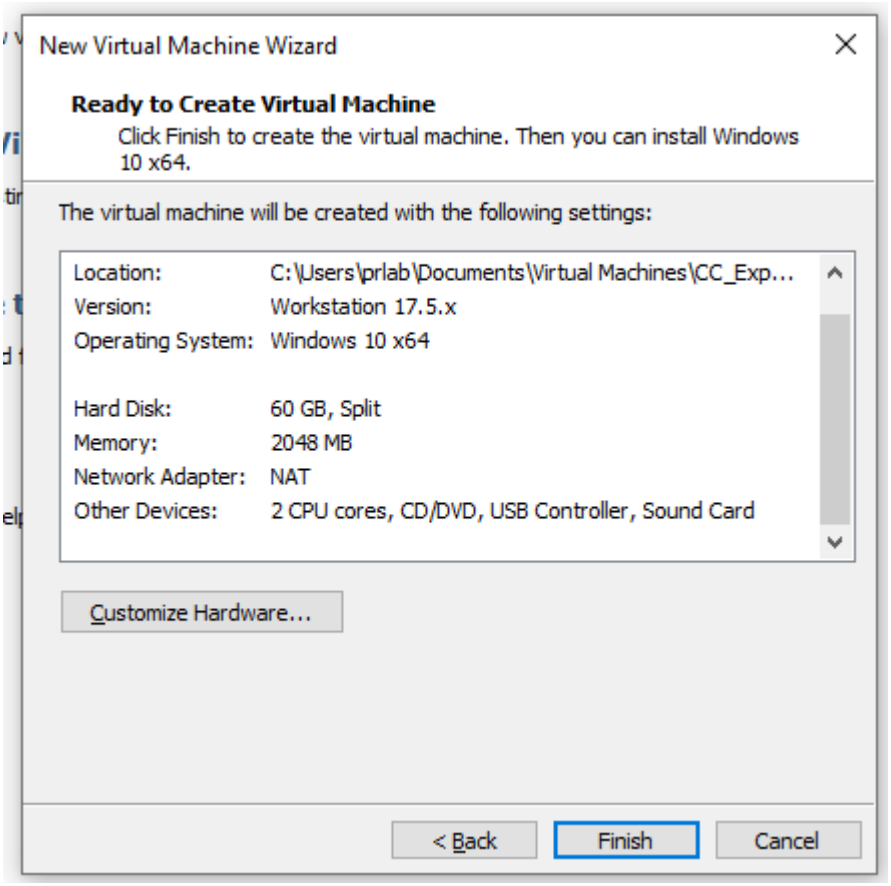


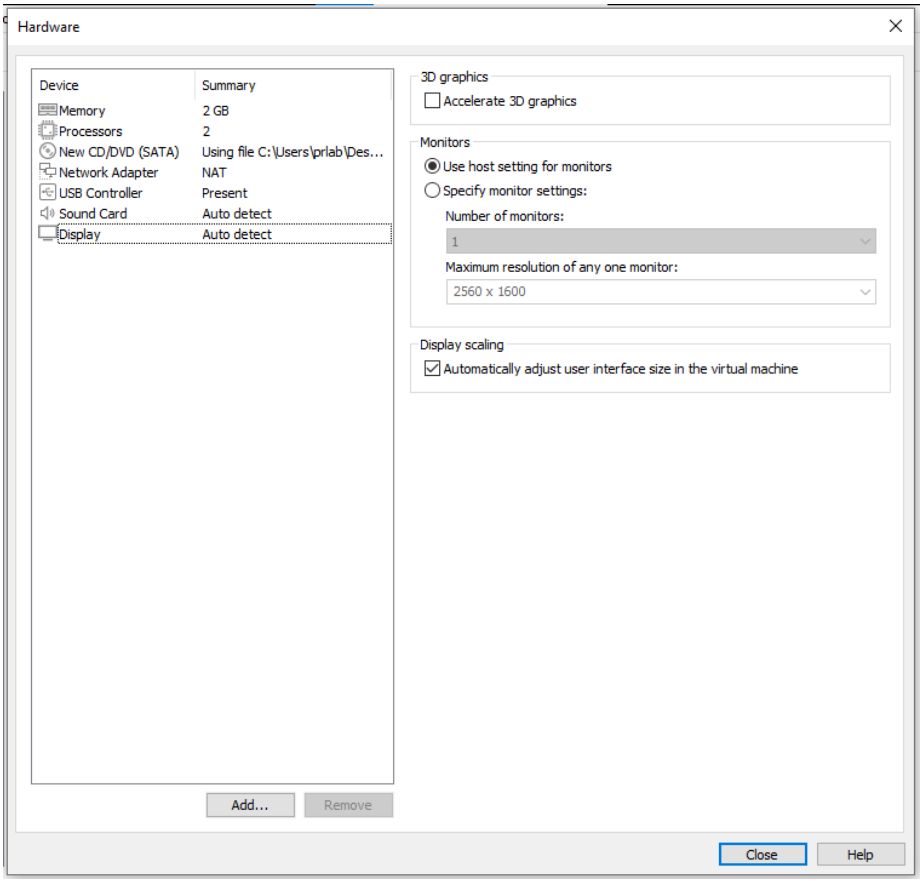

New Virtual Machine Wizard
Welcome to the New Virtual Machine Wizard
A virtual machine is like a physical computer; it needs an operating system. How will you install the guest operating system?
Install from:
Installer disc:
DVD RW Drive (D:)
Installer disc image file (iso):
C:\Users\prlab\Desktop\XenServer-7.0.0-install-cd.iso
Browse...
Could not detect which operating system is in this disc image.
You will need to specify which operating system will be installed.
I will install the operating system later.
The virtual machine will be created with a blank hard disk.
Help
< Back
Next >
Cancel

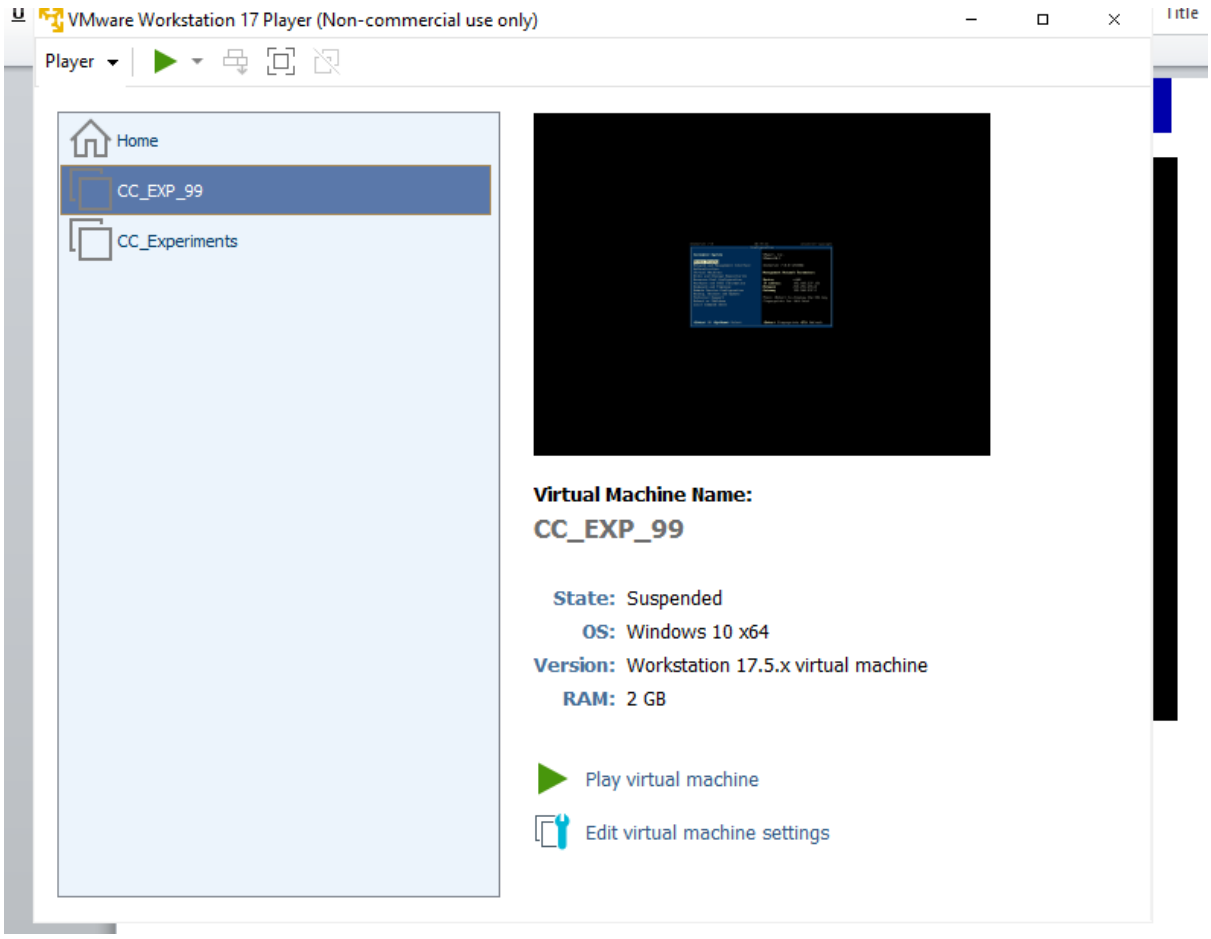

New Virtual Machine Wizard
Select a Guest Operating System
Which operating system will be installed on this virtual machine?
Guest operating system
Microsoft Windows
Linux
Other
Version
Windows 10 x64
Help
< Back
Next >
Cancel

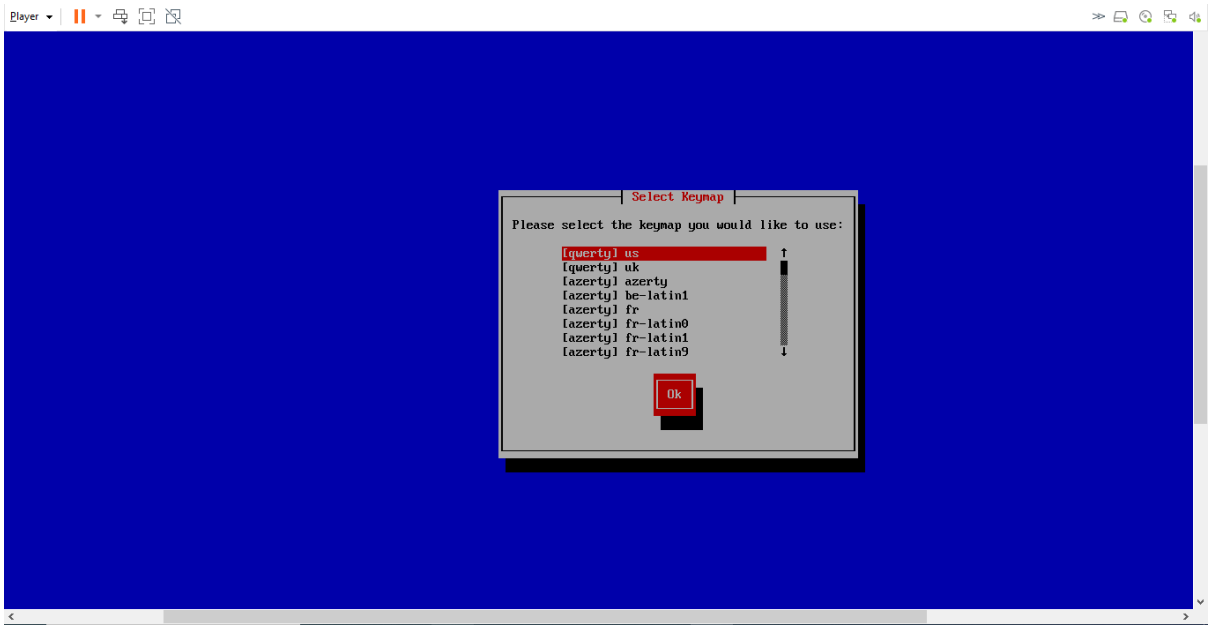

New Virtual Machine Wizard
Name the Virtual Machine
What name would you like to use for this virtual machine?
Virtual machine name:
CC_Experiments
Location:
C:\Users\prlab\Documents\Virtual Machines\CC_Experiments
Browse...
< Back
Next >
Cancel

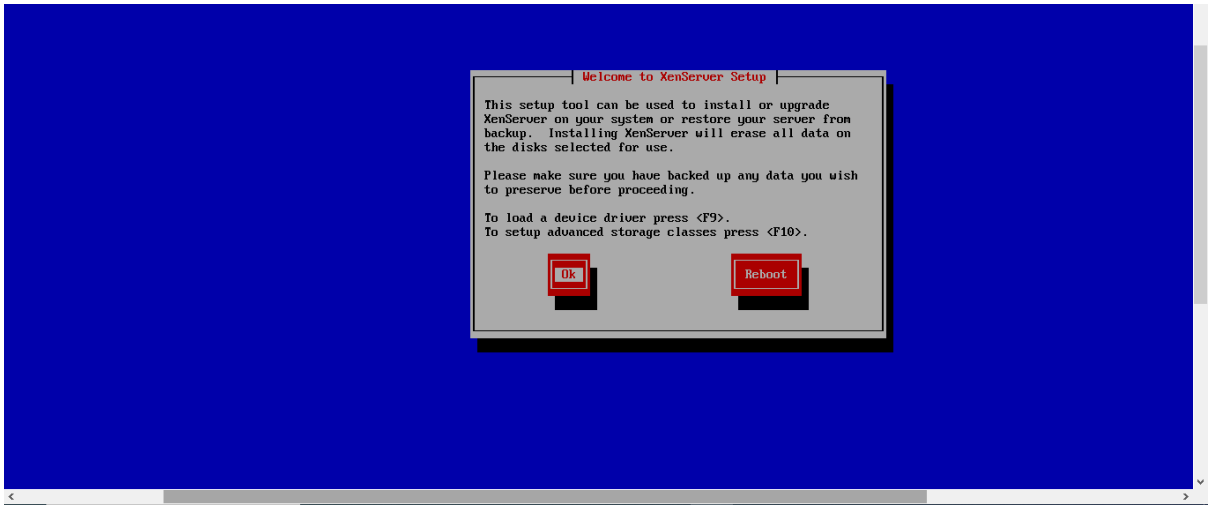

New Virtual Machine Wizard
Specify Disk Capacity
How large do you want this disk to be?
The virtual machine's hard disk is stored as one or more files on the host computer's physical disk. These file(s) start small and become larger as you add applications, files, and data to your virtual machine.
Maximum disk size (GB):
60.0
Recommended size for Windows 10 x64: 60 GB
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

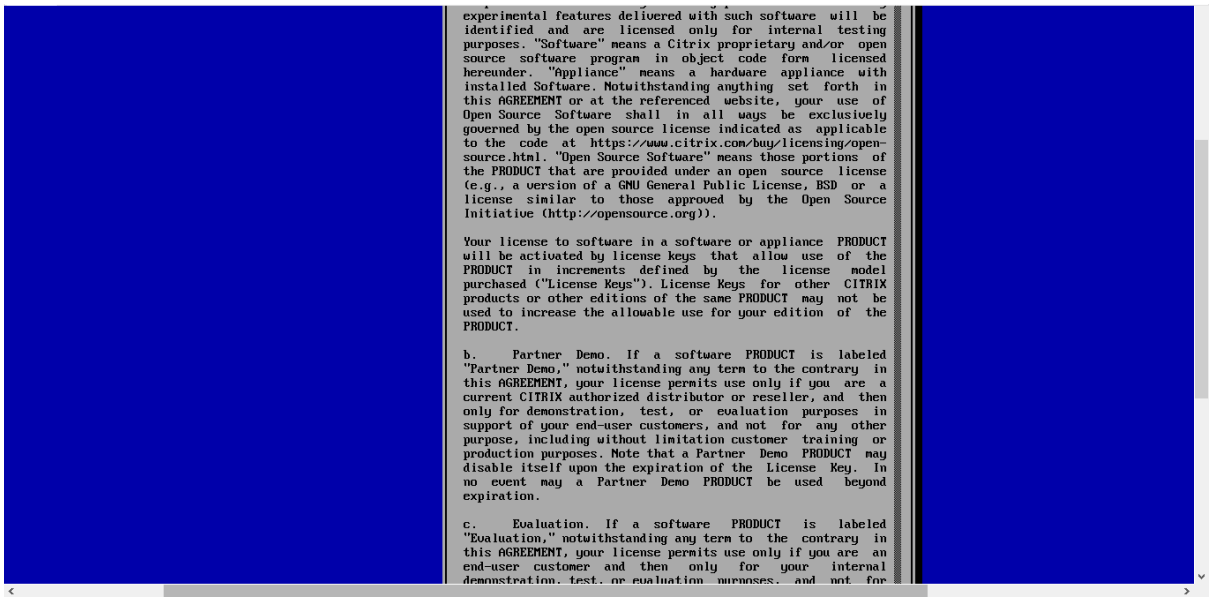

New Virtual Machine Wizard
Ready to Create Virtual Machine
Click Finish to create the virtual machine. Then you can install Windows 10 x64.
The virtual machine will be created with the following settings:
Location: C:\Users\prlab\Documents\Virtual Machines\CC_Exp...
Version: Workstation 17.5.x
Operating System: Windows 10 x64
Hard Disk: 60 GB, Split
Memory: 2048 MB
Network Adapter: NAT
Other Devices: 2 CPU cores, CD/DVD, USB Controller, Sound Card
Customize Hardware...
< Back
Finish
Cancel


Hardware
Device
Summary
Memory
2 GB
Processors
2
New CD/DVD (SATA)
Using file C:\Users\prlab\Des...
Network Adapter
NAT
USB Controller
Present
Sound Card
Auto detect
Display
Auto detect
Add...
Remove
3D graphics
Accelerate 3D graphics
Monitors
Use host setting for monitors
Specify monitor settings:
Number of monitors:
1
Maximum resolution of any one monitor:
2560 x 1600
Display scaling
Automatically adjust user interface size in the virtual machine
Close
Help


VMware Workstation 17 Player (Non-commercial use only)
Player
Home
CC_EXP_99
CC_Experiments
Virtual Machine Name:
CC_EXP_99
State: Suspended
OS: Windows 10 x64
Version: Workstation 17.5.x virtual machine
RAM: 2 GB
Play virtual machine
Edit virtual machine settings


Player
Select Keymap
Please select the keymap you would like to use:
[qwerty] us
[qwerty] uk
[azerty] azerty
[azerty] be-latin1
[azerty] fr
[azerty] fr-latin0
[azerty] fr-latin1
[azerty] fr-latin9
Ok


Welcome to XenServer Setup
This setup tool can be used to install or upgrade XenServer on your system or restore your server from backup. Installing XenServer will erase all data on the disks selected for use.
Please make sure you have backed up any data you wish to preserve before proceeding.
To load a device driver press <F9>.
To setup advanced storage classes press <F10>.
Ok
Reboot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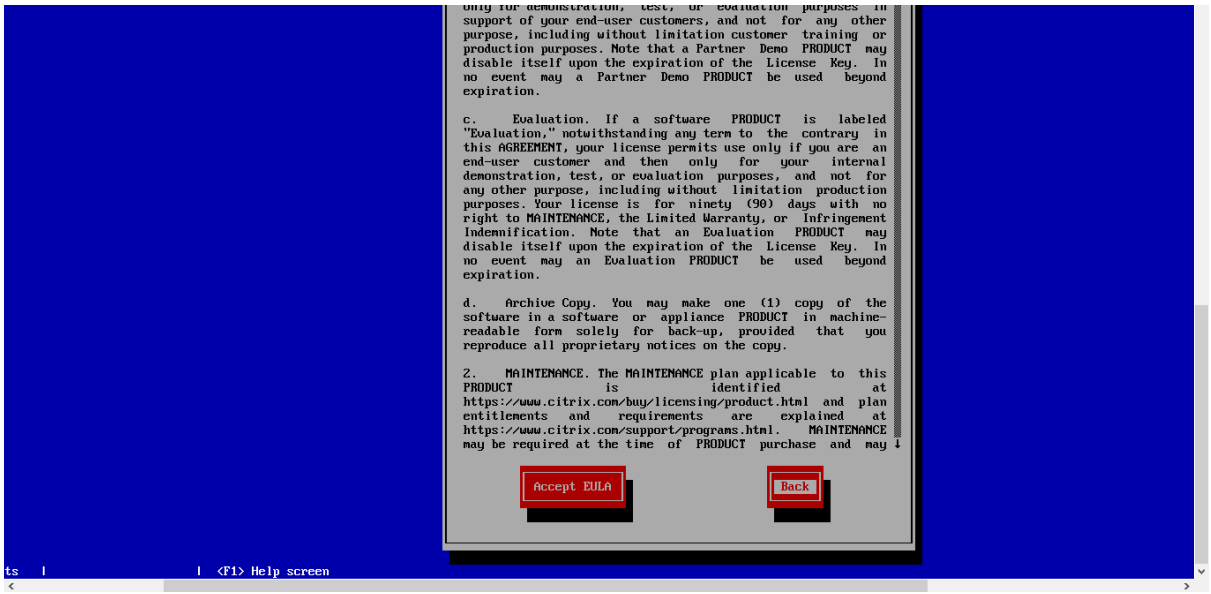
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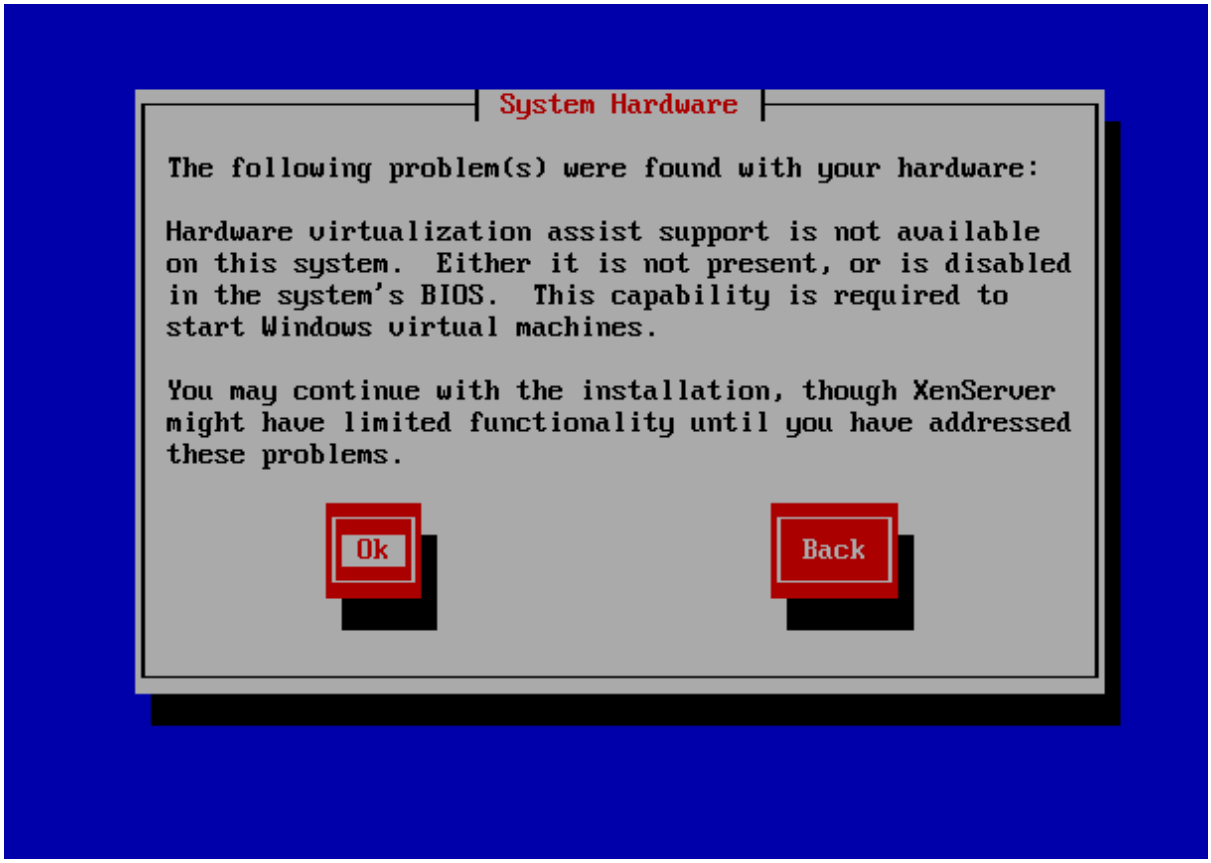
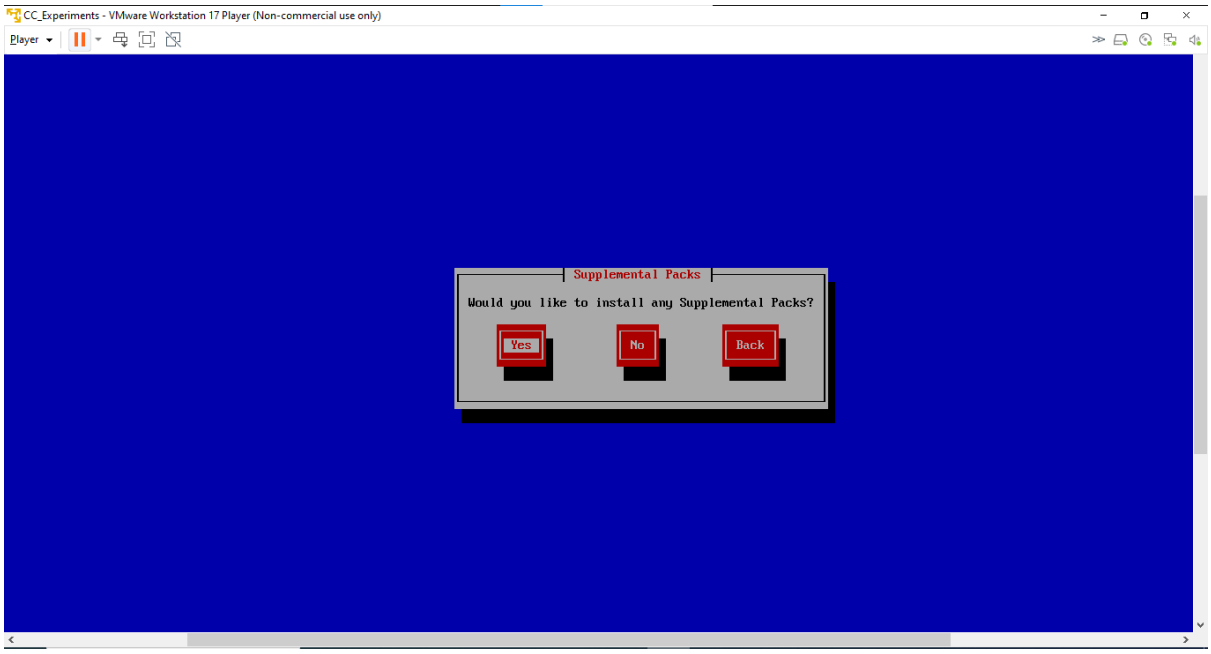
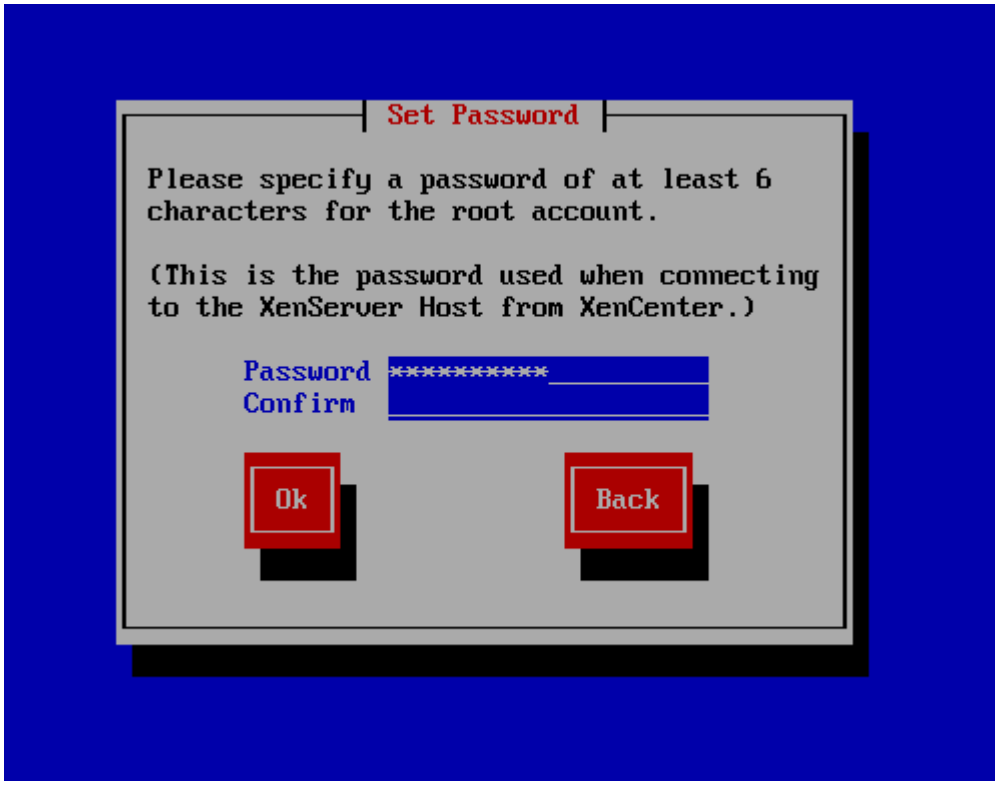
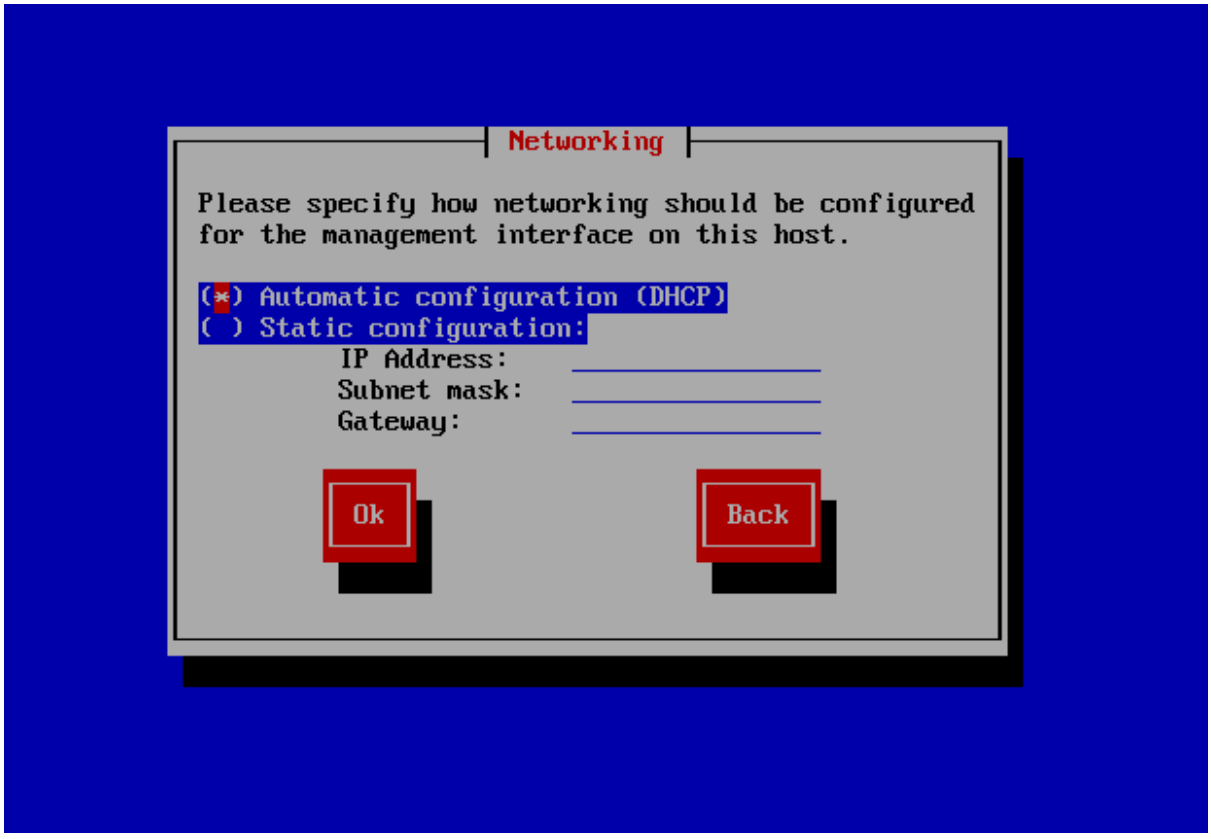
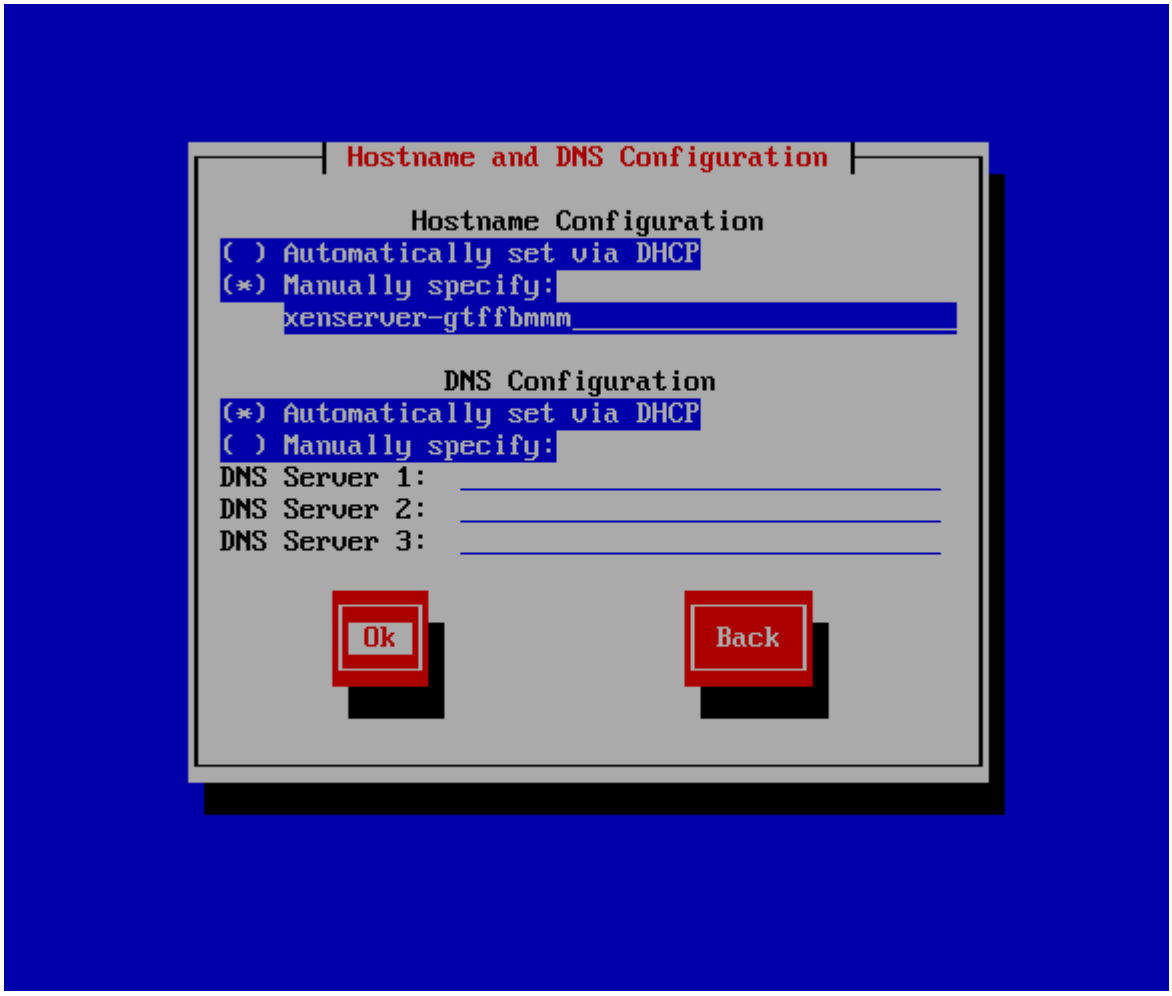
Accept EULA
Back
ts | | <F1> Help screen

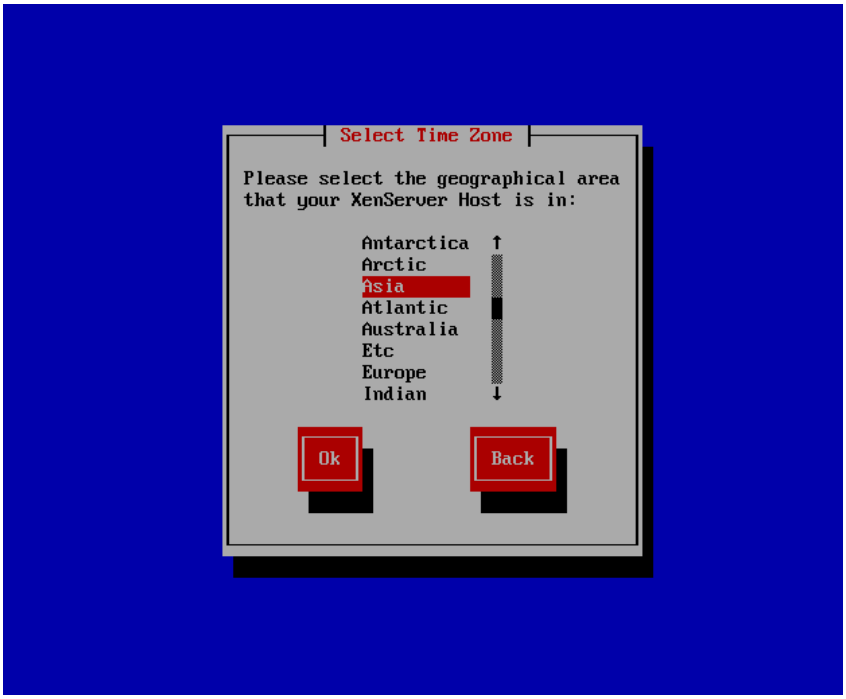

System Hardware
The following problem(s) were found with your hardware:
Hardware virtualization assist support is not available on this system. Either it is not present, or is disabled in the system's BIOS. This capability is required to start Windows virtual machines.
You may continue with the installation, though XenServer might have limited functionality until you have addressed these problems.
Ok
Back

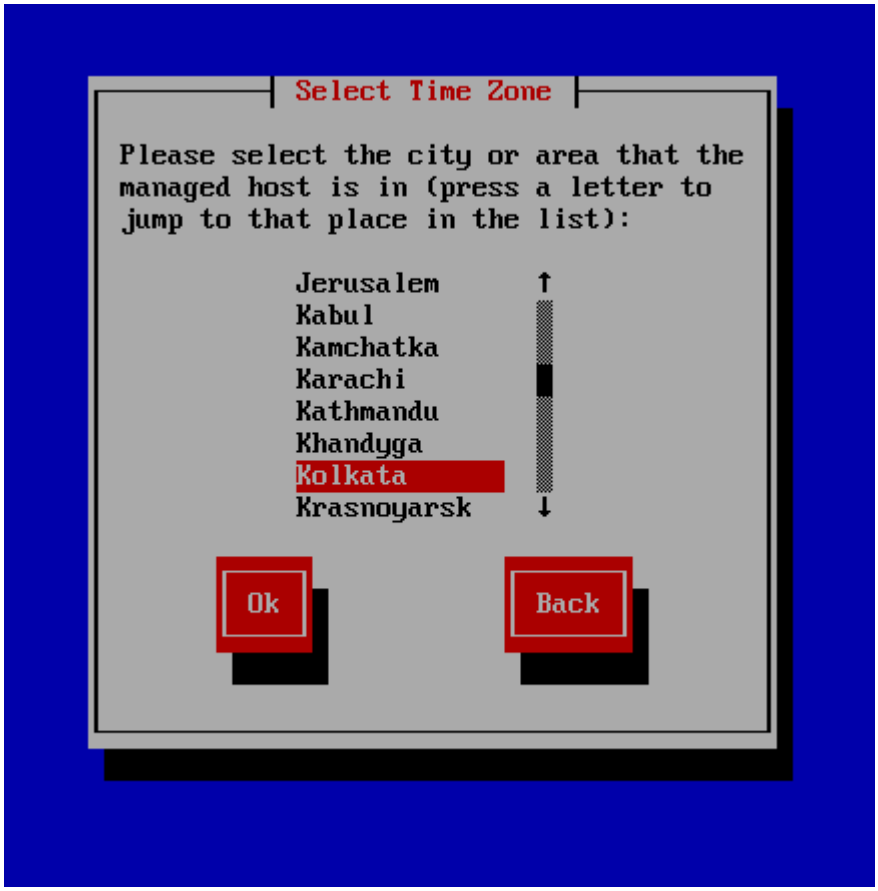

CC_Experiments - VMware Workstation 17 Player (Non-commercial use only)
Player
Supplemental Packs
Would you like to install any Supplemental Packs?
Yes
No
Back

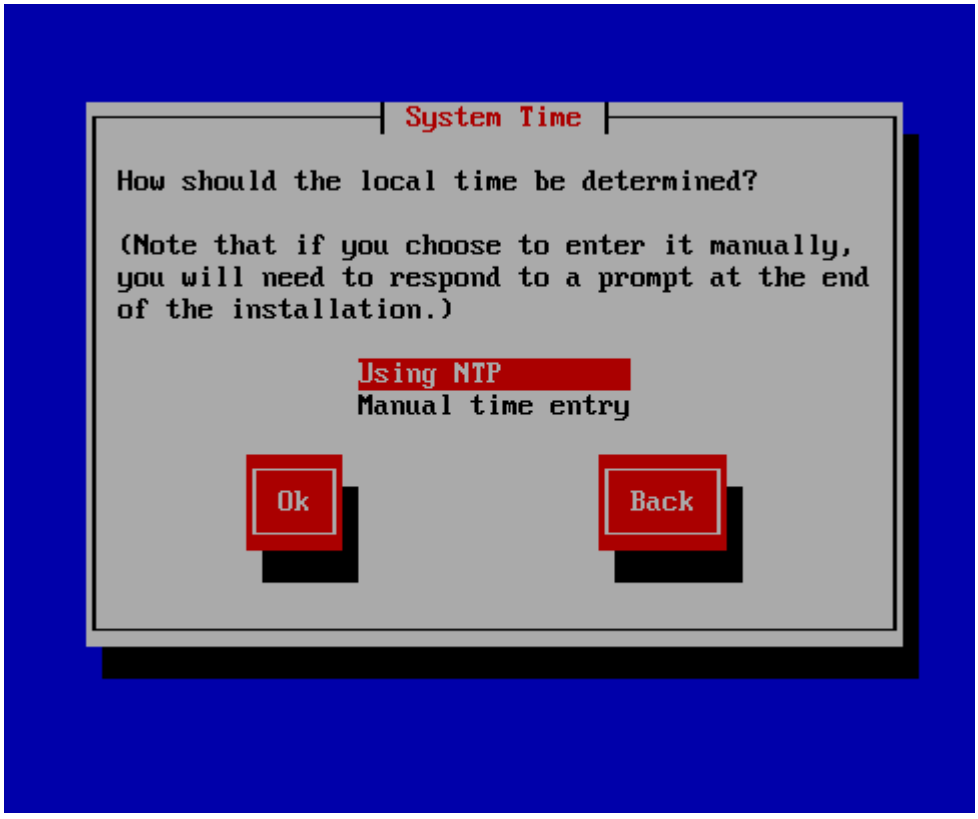

Set Password
Please specify a password of at least 6 characters for the root account.
(This is the password used when connecting to the XenServer Host from XenCenter.)
Password **********
Confirm
Ok
Back

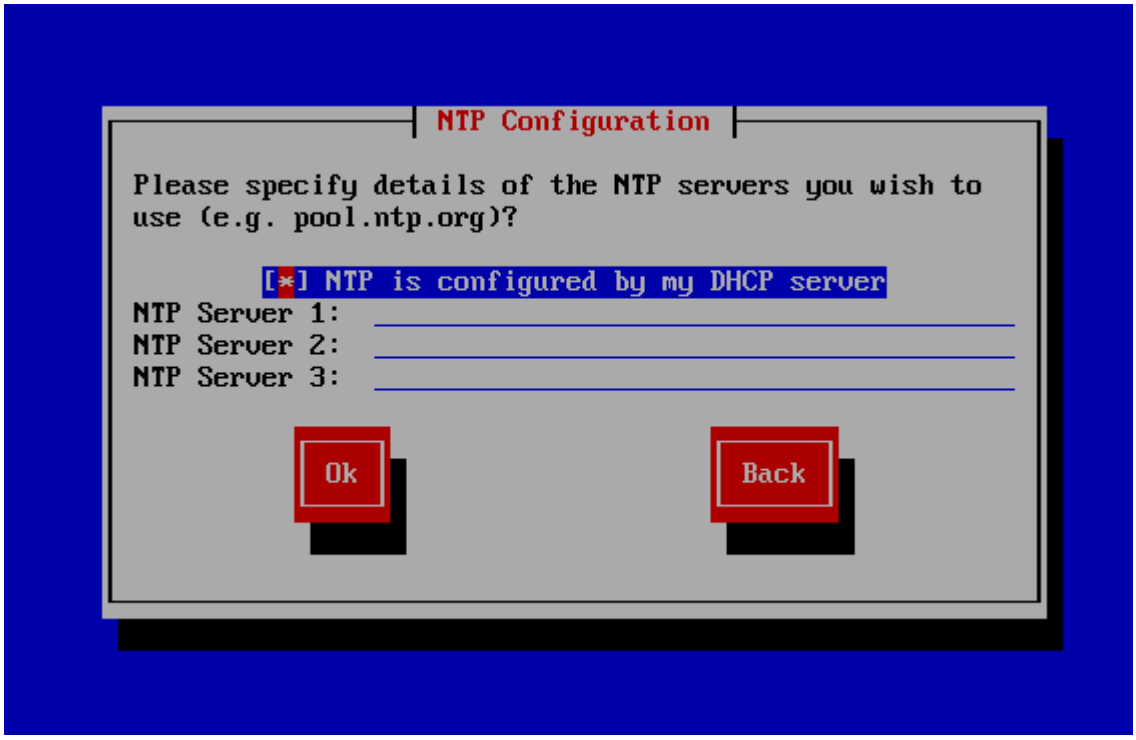

Networking
Please specify how networking should be configured for the management interface on this host.
(*) Automatic configuration (DHCP)
( ) Static configuration:
IP Address:
Subnet mask:
Gateway:
Ok
Back

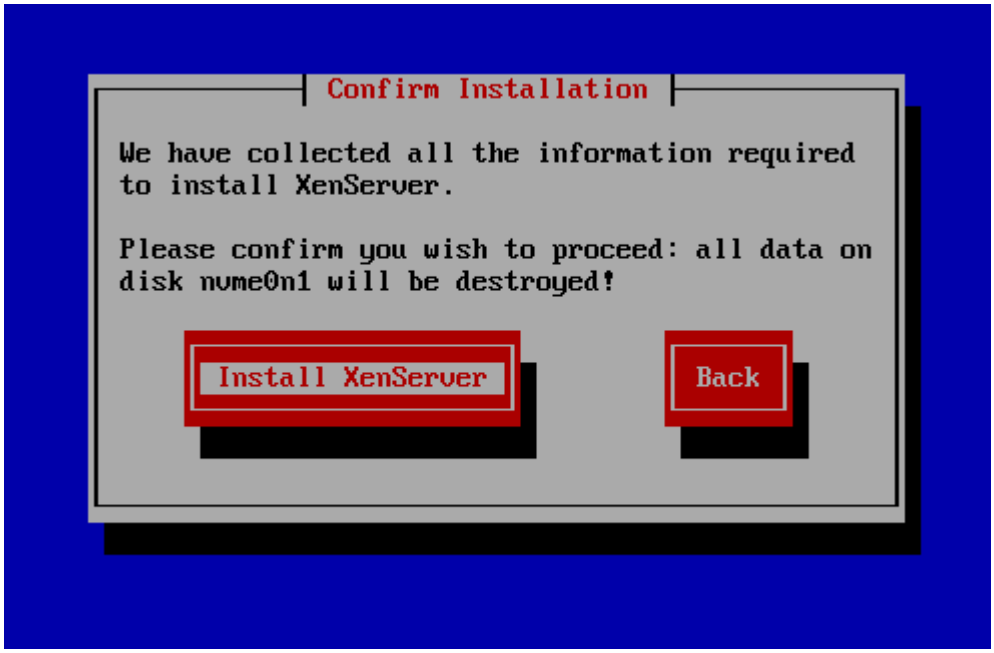

Hostname and DNS Configuration
Hostname Configuration
( ) Automatically set via DHCP
(*) Manually specify:
xenserver-gtffbmmm
DNS Configuration
(*) Automatically set via DHCP
( ) Manually specify:
DNS Server 1:
DNS Server 2:
DNS Server 3:
Ok
Back

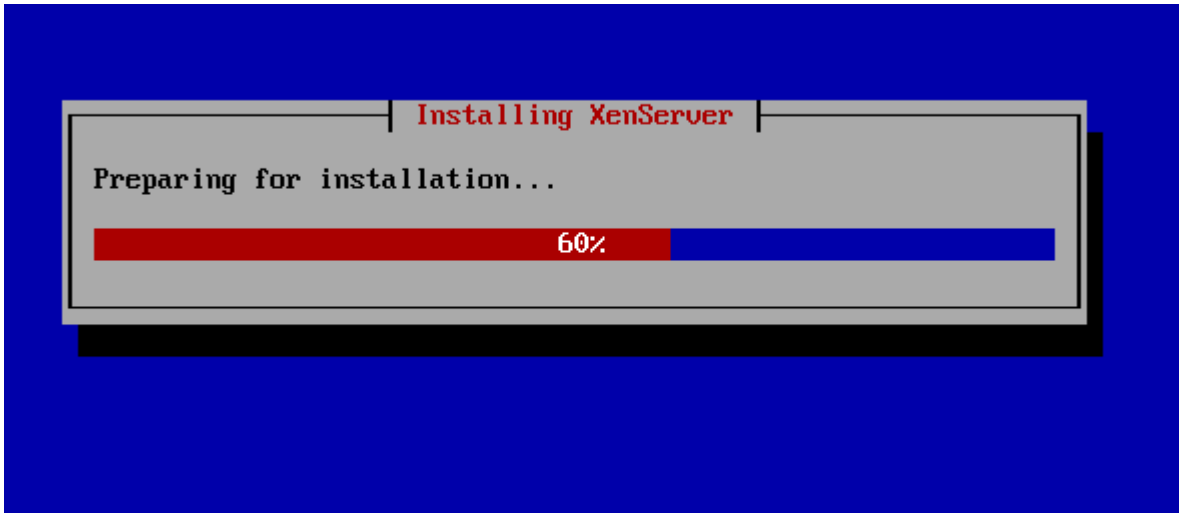

Select Time Zone
Please select the geographical area
that your XenServer Host is in:
Antarctica
Arctic
Asia
Atlantic
Australia
Etc
Europe
Indian
Ok
Back

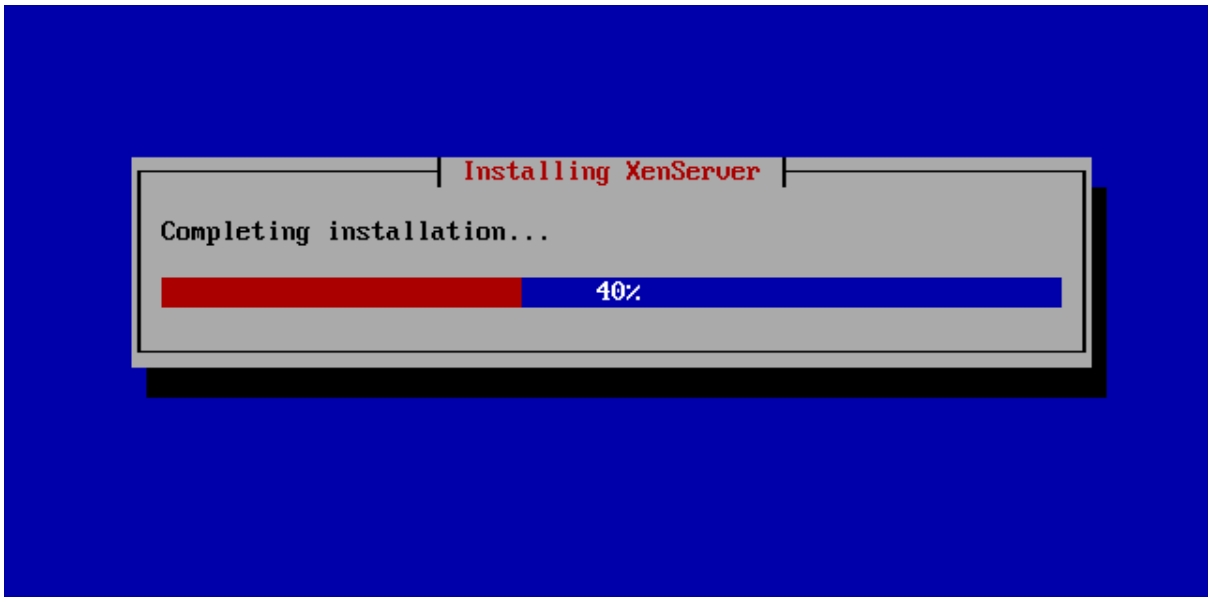

Select Time Zone
Please select the city or area that the managed host is in (press a letter to jump to that place in the list):
Jerusalem
Kabul
Kamchatka
Karachi
Kathmandu
Khandyga
Kolkata
Krasnoyarsk
Ok
Back


System Time
How should the local time be determined?
(Note that if you choose to enter it manually, you will need to respond to a prompt at the end of the installation.)
Using NTP
Manual time entry
Ok
Back


NTP Configuration
Please specify details of the NTP servers you wish to use (e.g. pool.ntp.org)?
[*] NTP is configured by my DHCP server
NTP Server 1:
NTP Server 2:
NTP Server 3:
Ok
Back

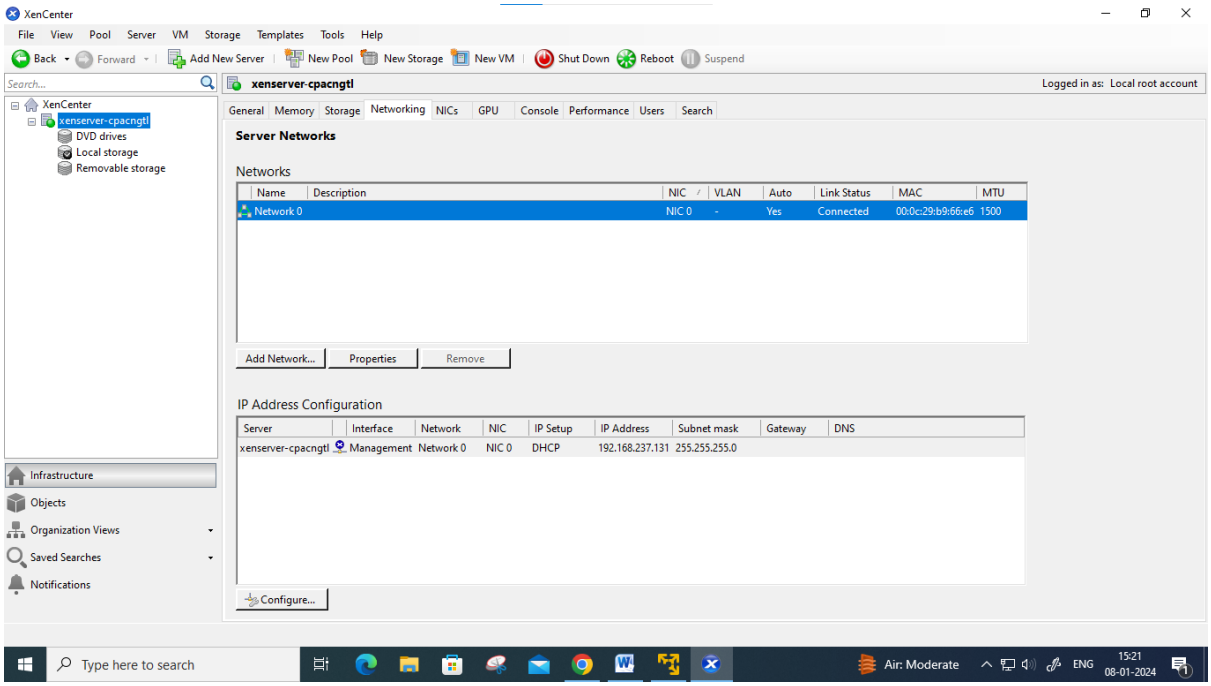

Confirm Installation
We have collected all the information required to install XenServer.
Please confirm you wish to proceed: all data on disk nvme0n1 will be destroyed!
Install XenServer
Back

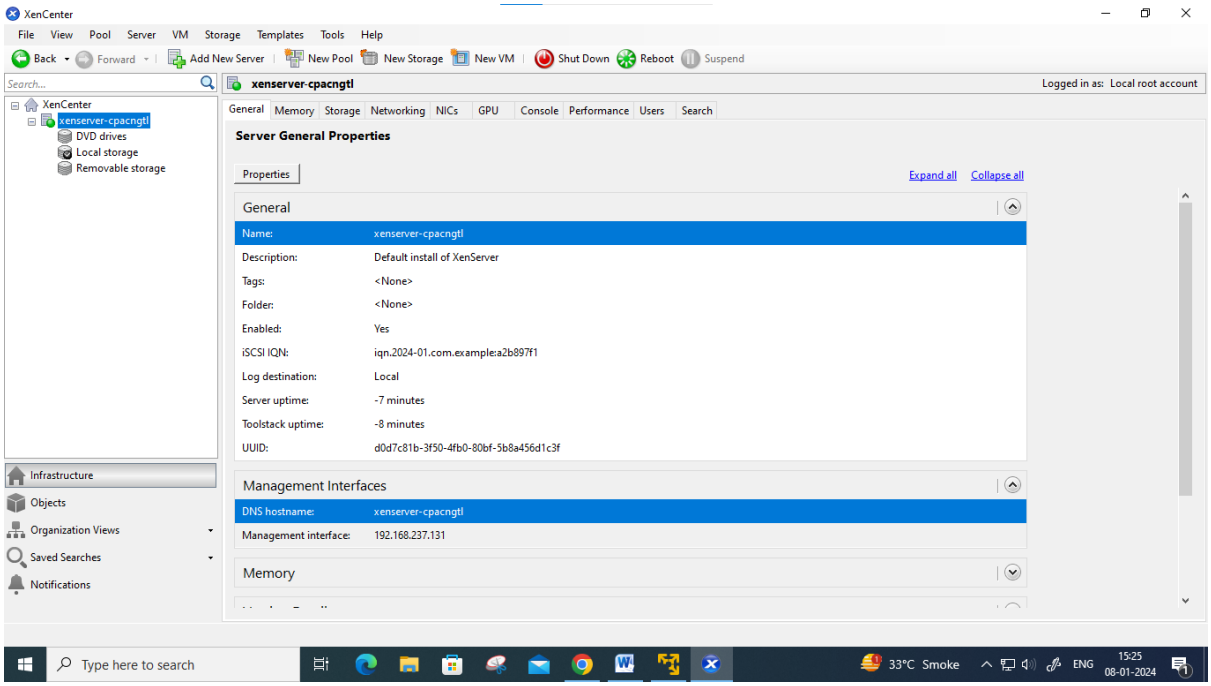

Installing XenServer
Preparing for installation...
60%


Installing XenServer
Completing installation...
40%

Go to xenserver and use ip address 192.168.237.131

Succesfully conneted to the same IP:





Post Lab Questions

1. On a particular server, within each virtual machine:

    a. You can run any version of Windows without regard for the version(s) running in the other virtual machines.

    b. The versions of Windows must be no more than one release level apart

    c. **The versions of Windows must be the exactly same.**

2. On a particular server:

    a. If you need to reboot one virtual machine, you have to first reboot the physical server, the individual virtual machines and then reboot automatically when the physical-machine reboot is finished.

    b. If you reboot one virtual machine, all the other virtual machines reboot at the same time.

    c. You can reboot a virtual machine without it having any effect on the other virtual machines.

3. When choosing which applications or databases to place on one physical machine (using a virtual machine for each application), it is best to:

    a. Choose a mixture of applications and databases with different workloads.

    b. **Keep all the heavy-workload application/databases together and all the light-workload applications and databases together.**

4. Introduction of server virtualization in a data center:

    a. Will make the introduction of Storage –Area Network (SAN) absolutely necessary.

    b. Will make the introduction of Storage –Area Network (SAN) desirable.

    c. Will not materially change storage requirements.

5. In a virtualized- server environment, compared with a traditional server environment:

a. It is easier to keep track of software licensing.

b. Tracking software licensing is neither materially easier nor harder.

c. It is significantly harder to keep track of software licensing.

6. The VM Kernel can't boot it by itself, so that it takes the help of the 3rd party operating system.

a. True

b. False

7. The hypervisor acts like a traffic cop, directing hardware access and coordinating requests from the guest operating systems.

a. True

b. False

8. XEN hypervisor does not support VM migration.

a. True

b. False

9. XEN hypervisor works on multiple cloud platforms.

a. True

b. False

Outcomes:

CO1: Understand Virtualization.

Conclusion:

We can conclude that we have learnt about Virtualization using VMware workstation and XEN Server-Client installation.