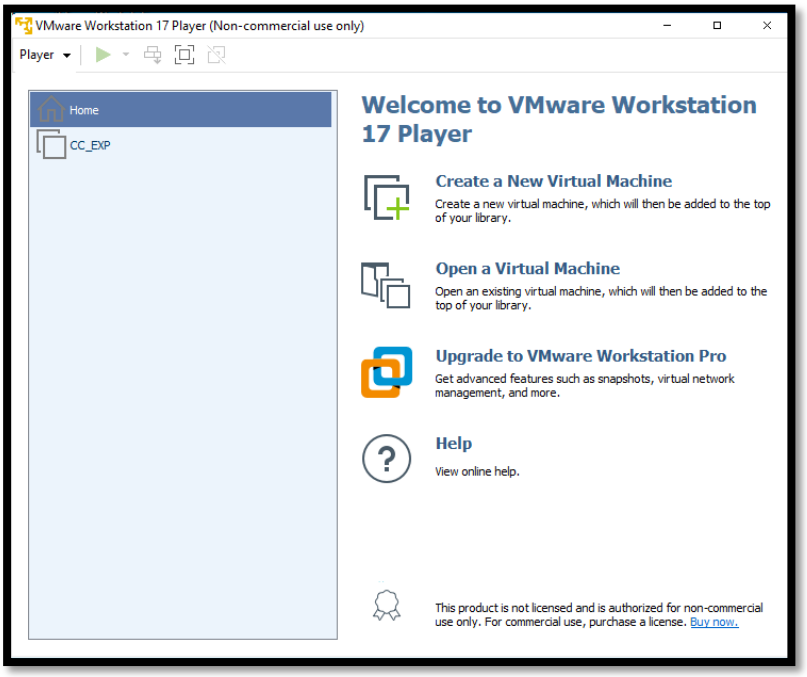
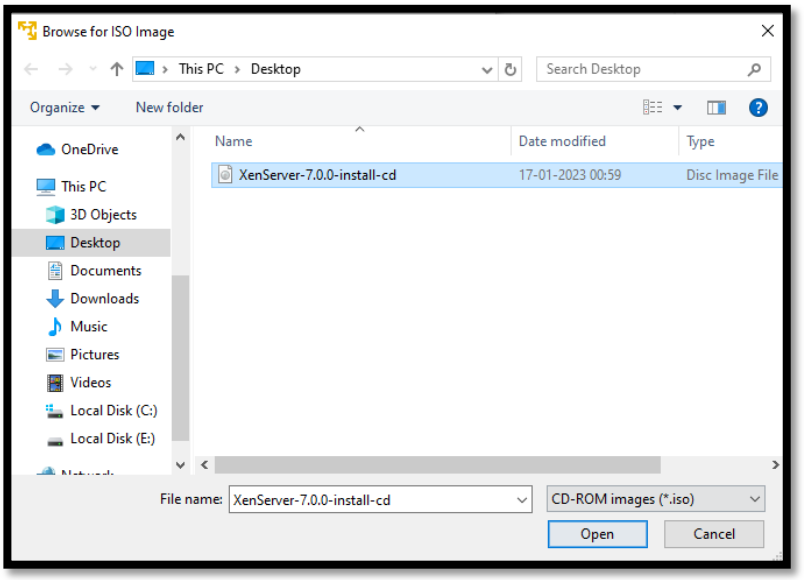
Name : Keyur Patel
Roll No : 16010421073
Batch : A2

EXP-1
:Virtualization

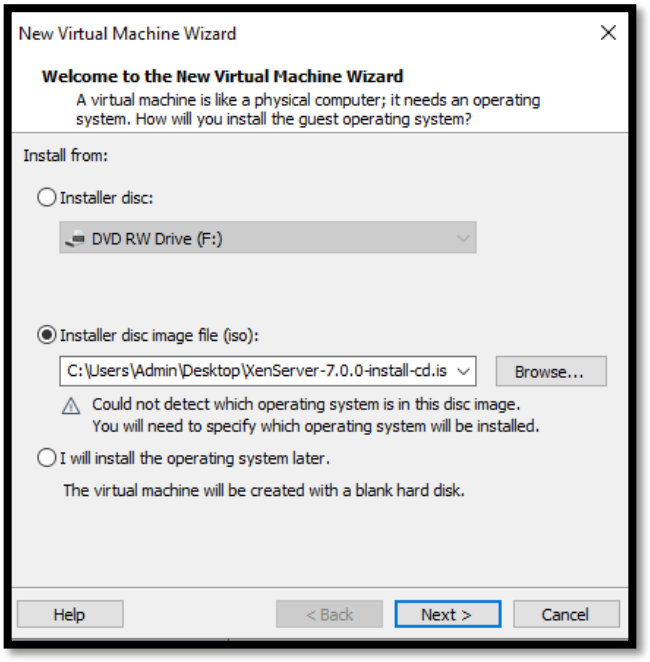
After Installing VMware workstation:



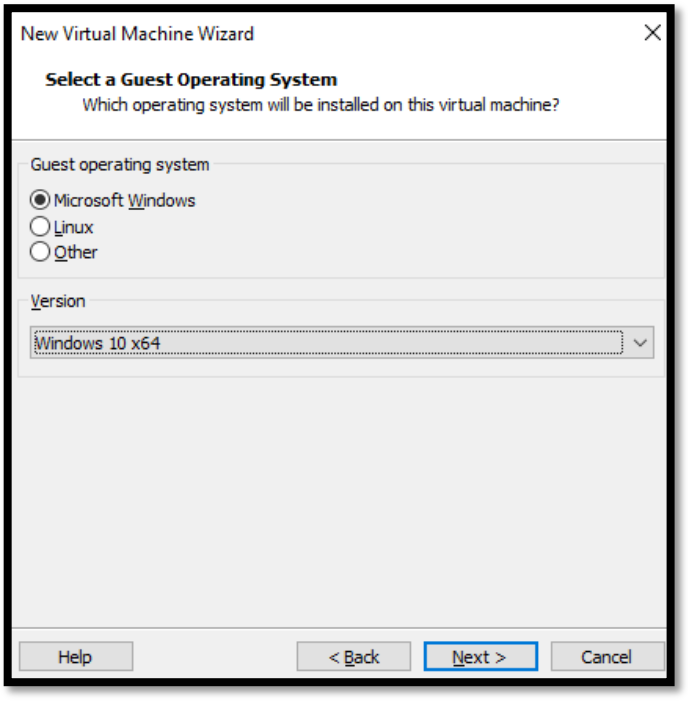
Selecting iso file :



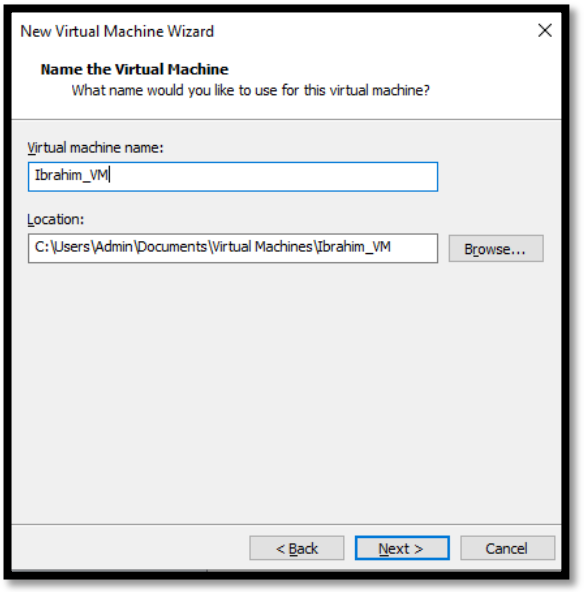
Downloading and adding the path of Disc Image:



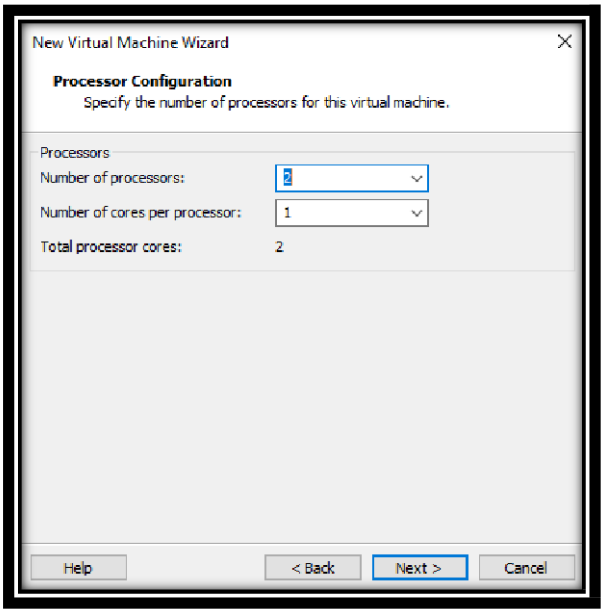
Selecting 'Microsoft Windows' as Guest Operating System:



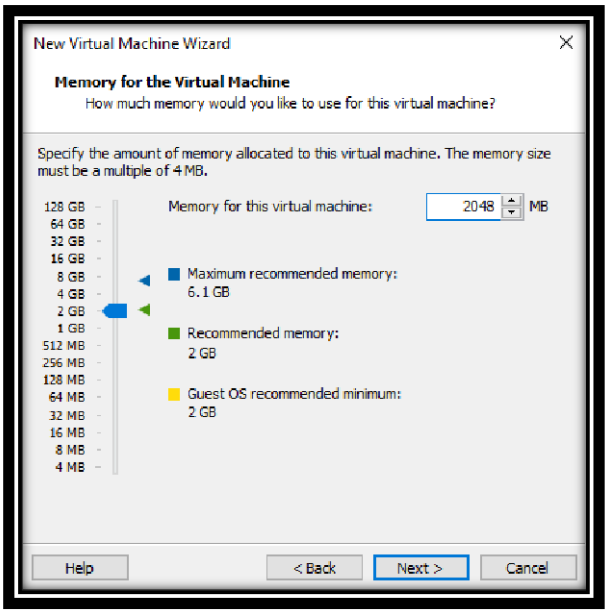
Giving the Virtual Machine a name:



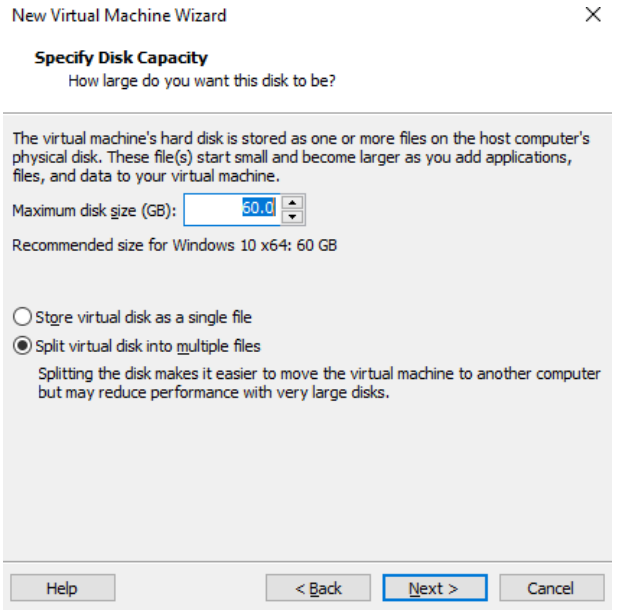
Selecting a Firmware Type:



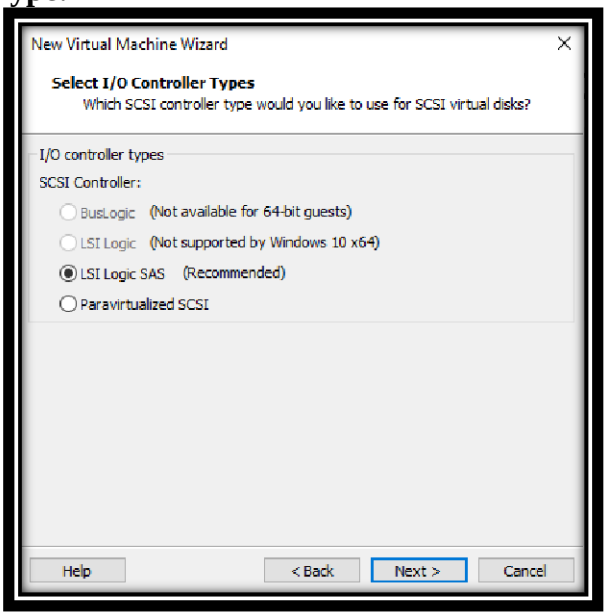
Selecting appropriate Processor Configuration:



Specifying Disk Capacity for Virtual Machine:

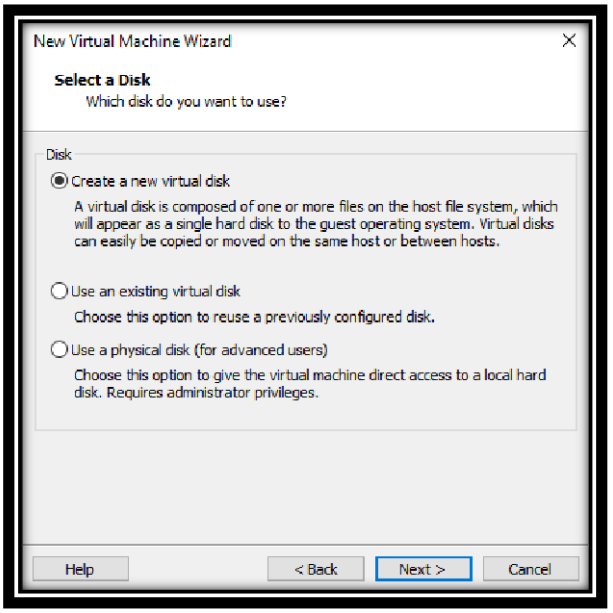


Selecting a Network Type:

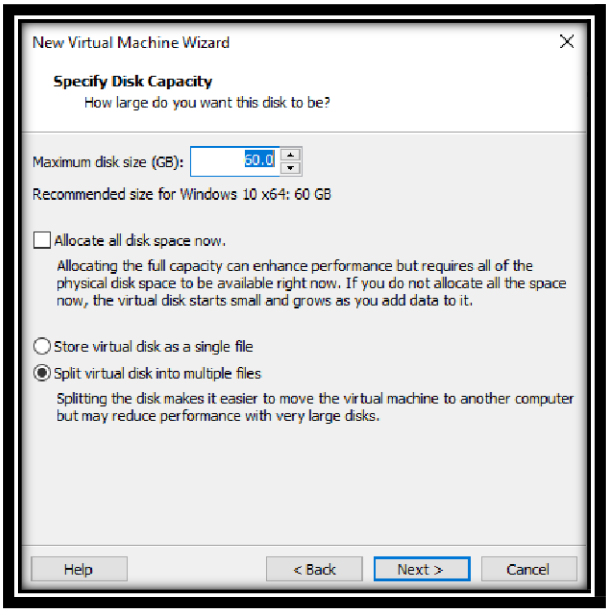


Selecting I/O Controller Type:

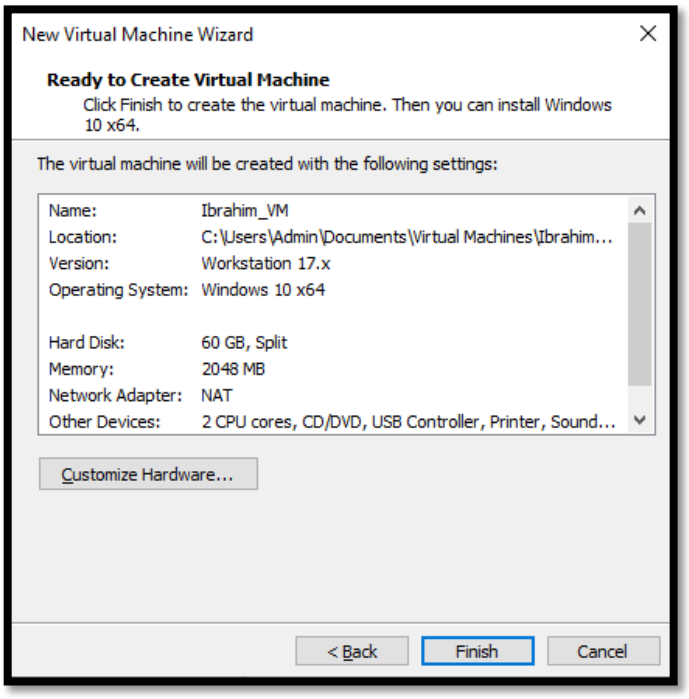
Selecting Disk Type:



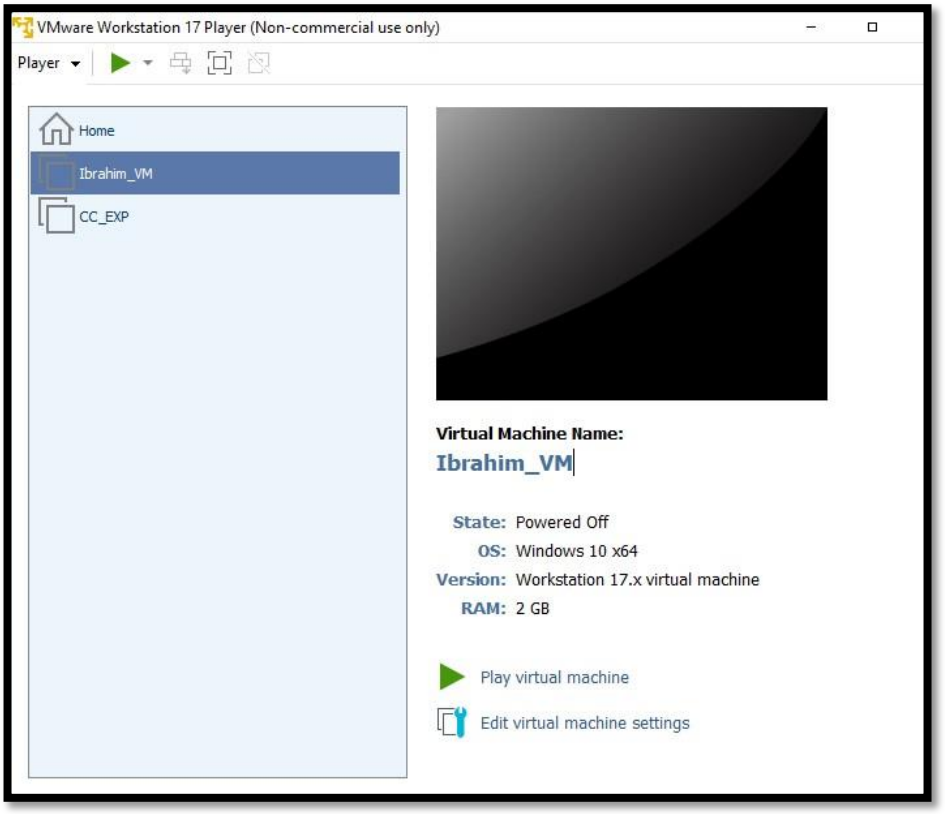
Selecting a Disk:



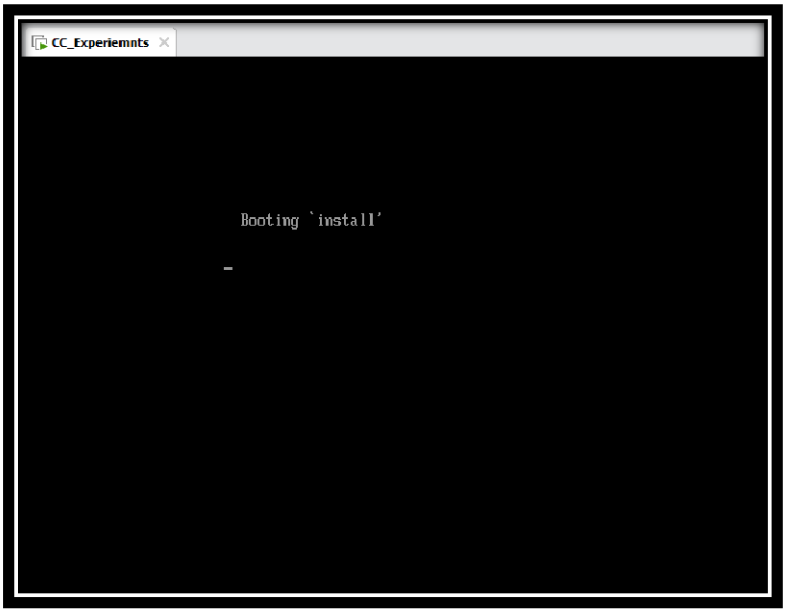
Specifying Disk File:

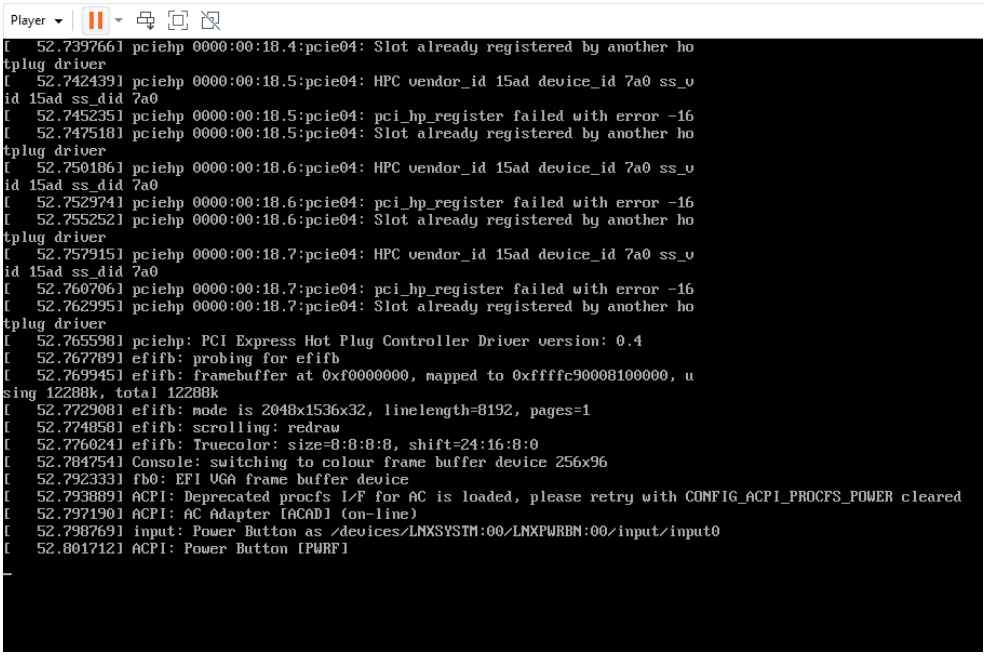


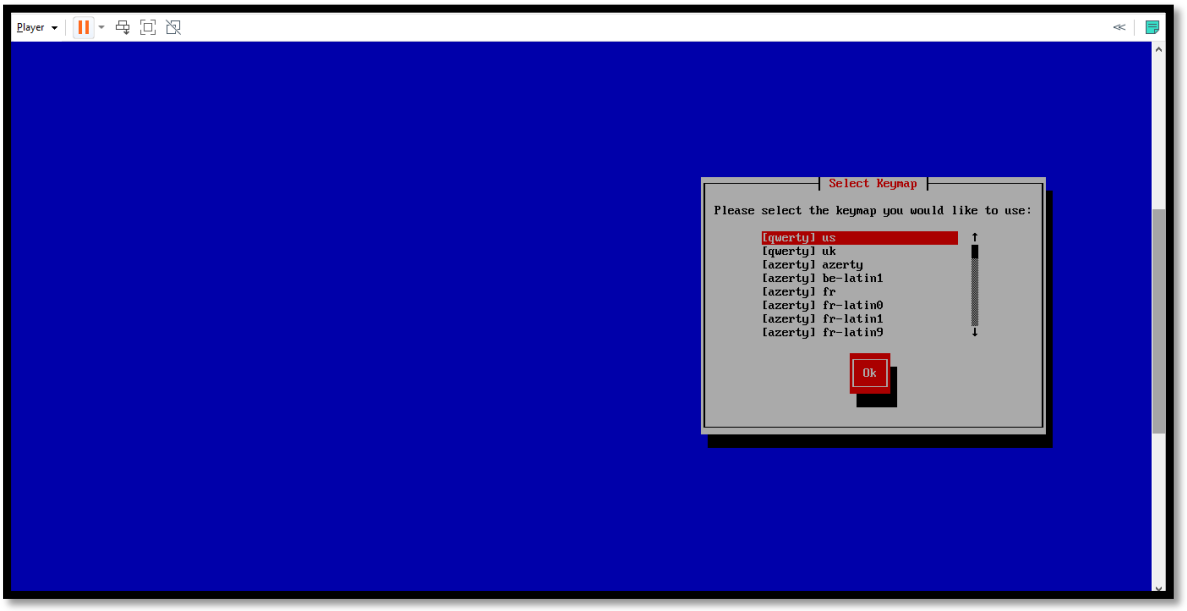
Clicking on 'Finish' the workstation will now have a virtual computer



On powering on the virtual machine:

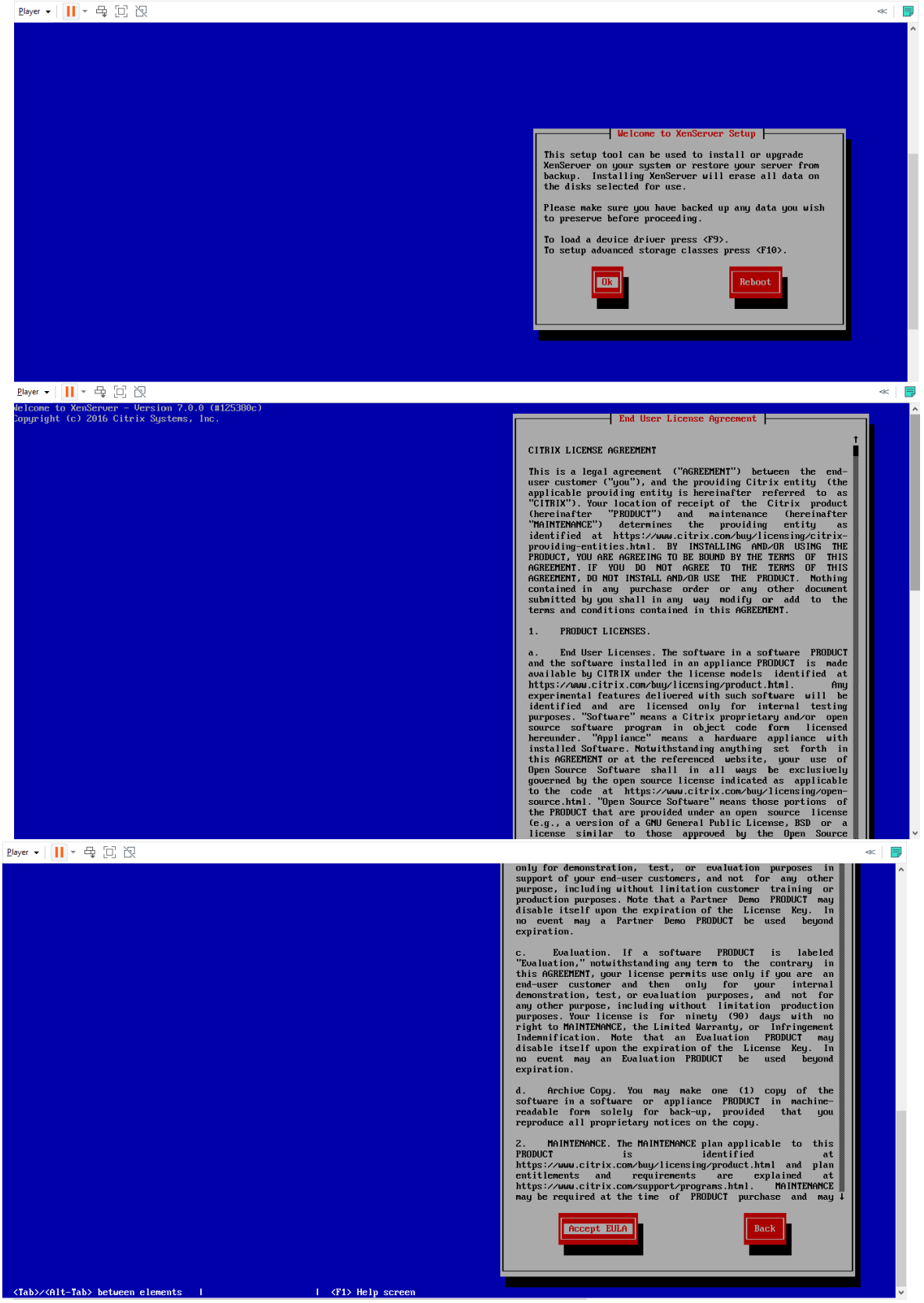




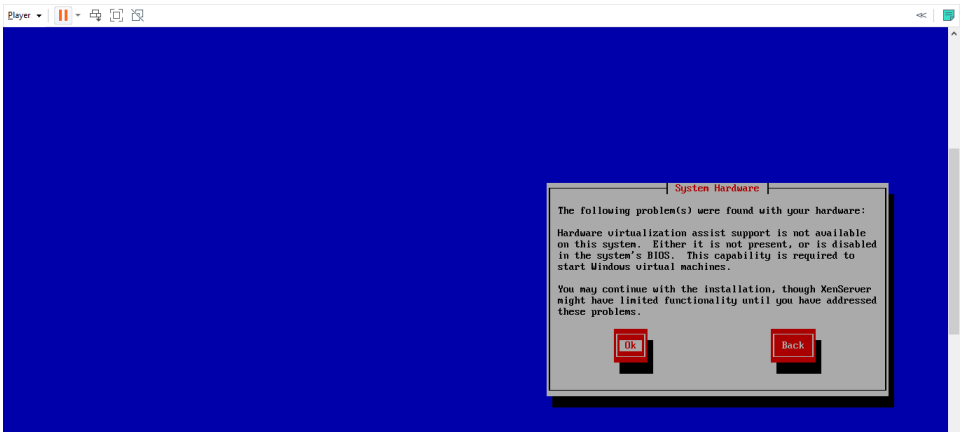


Selecting ‘qwerty-us’:

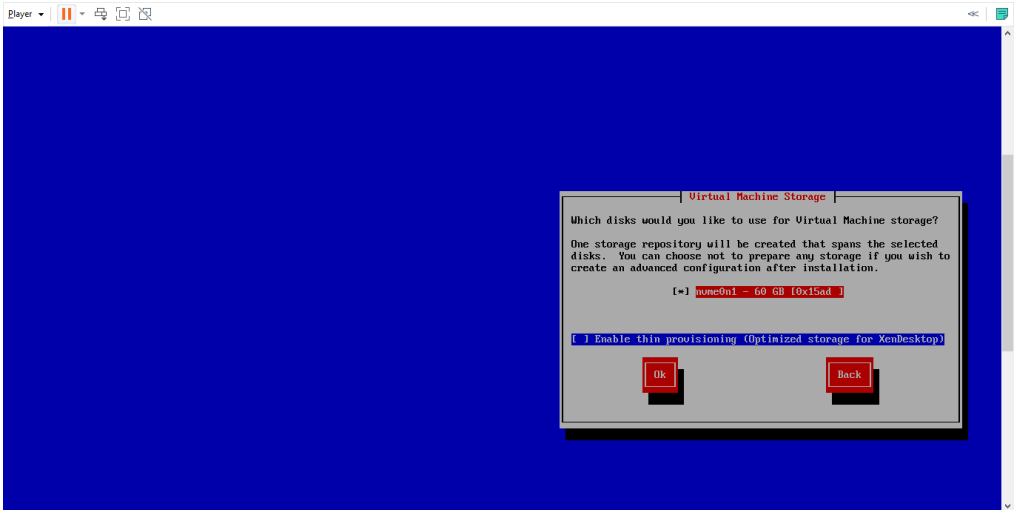
Confirming the dialogue box



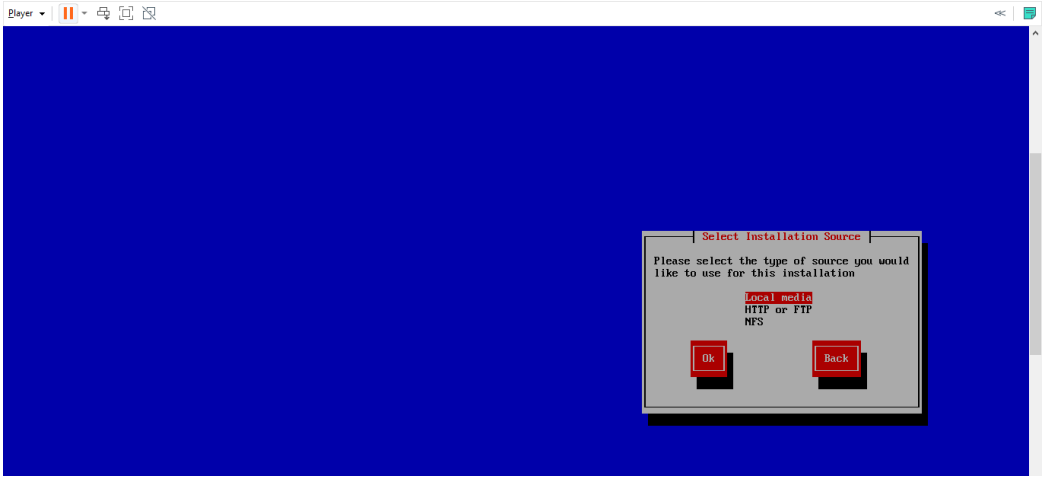
Accepting the terms:



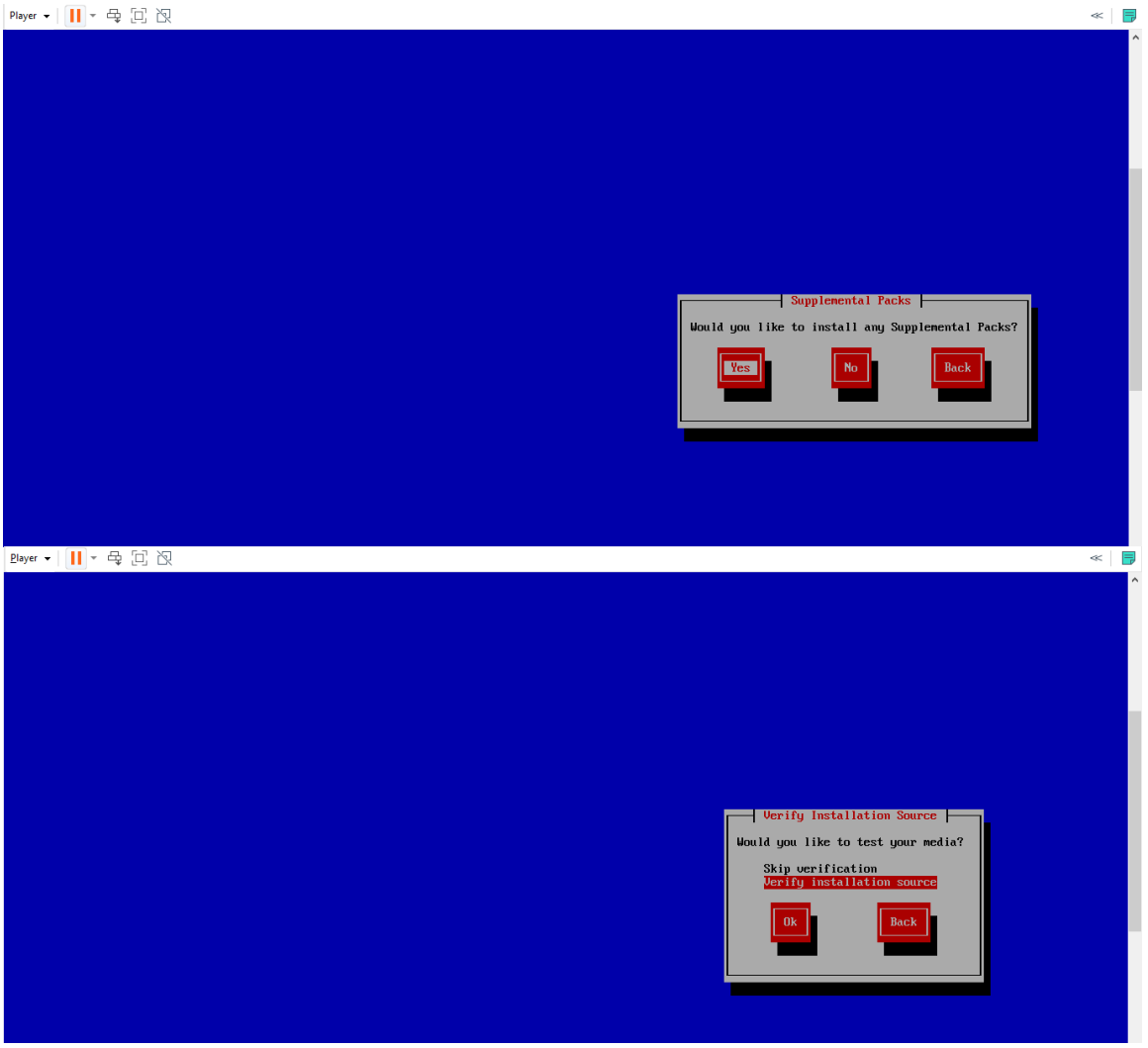
Confirming the dialogue box:



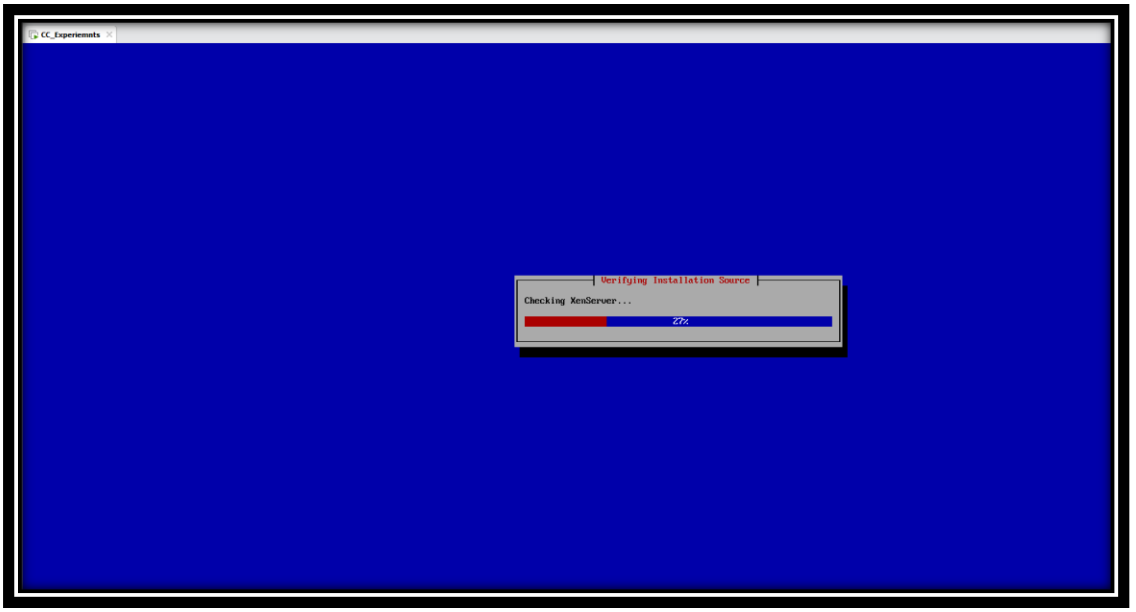
Selecting the disk for virtual machine storage:

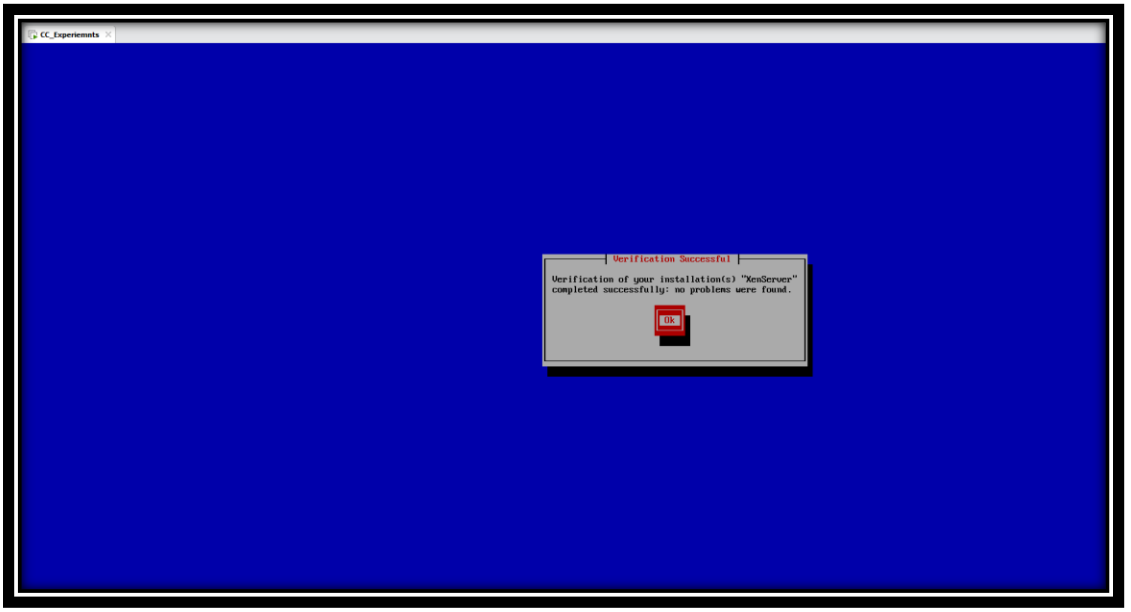


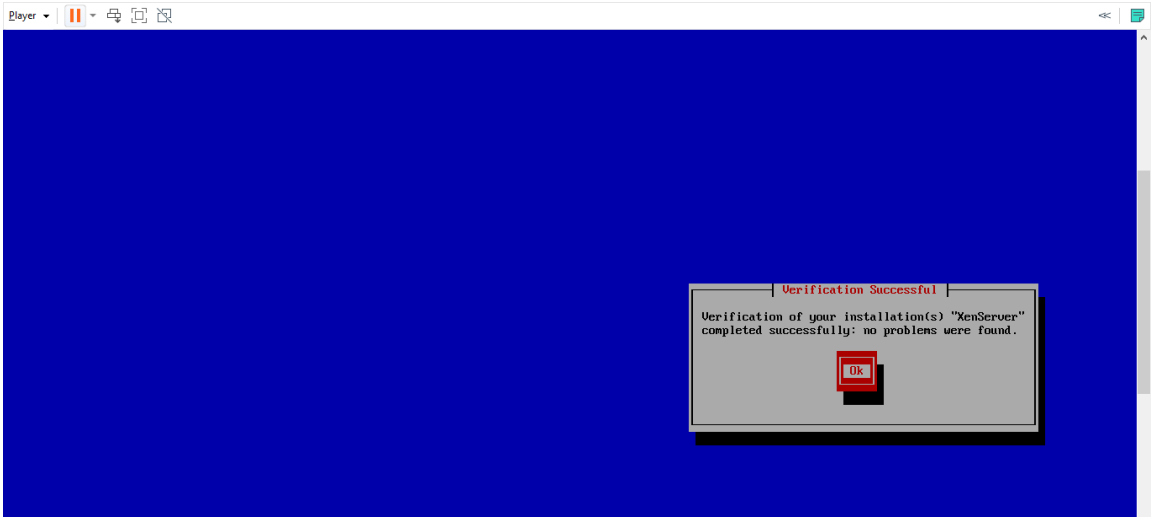
Selecting the Installation Source:



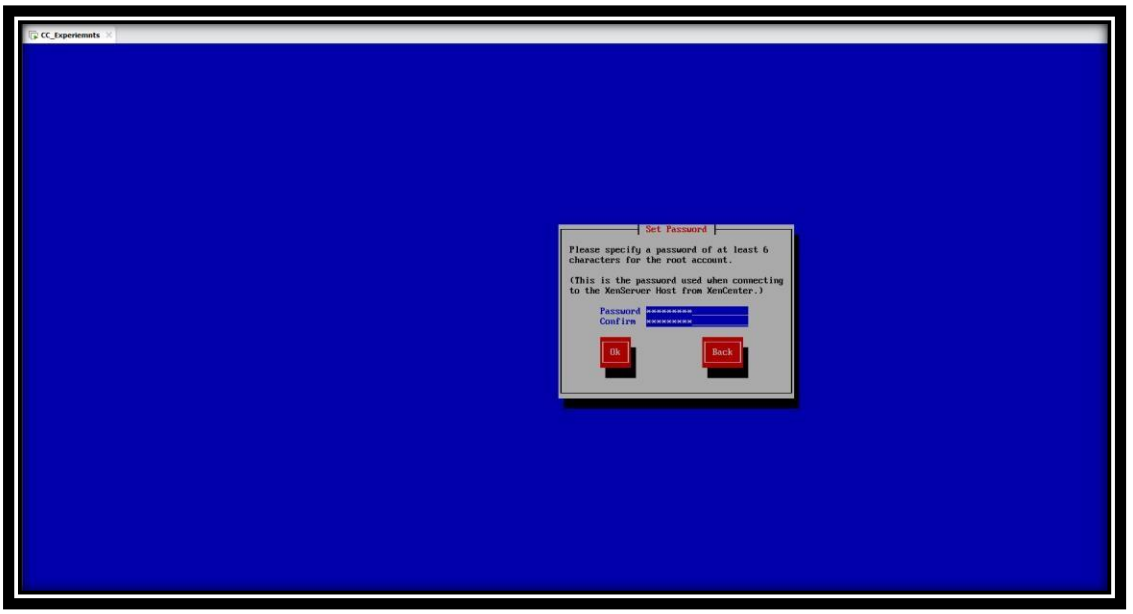
Opting to verify the installation source:


CC_Experiemnts
Verifying Installation Source
Checking XenServer...
22%

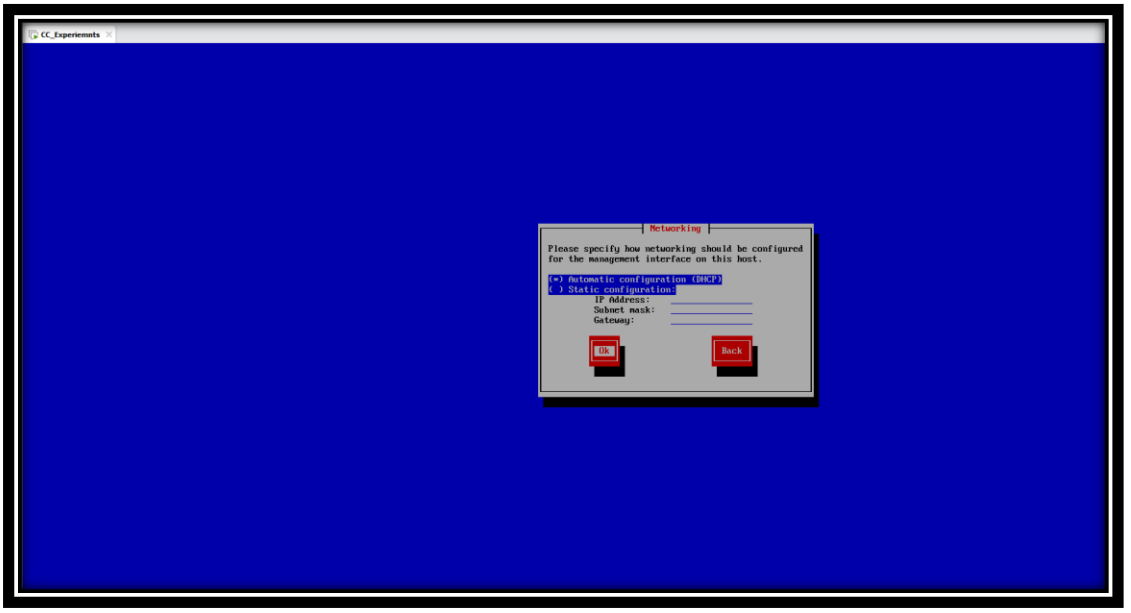

CC_Experiemnts
Verification Successful
Verification of your installation(s) "XenServer" completed successfully: no problems were found.
Ok


Player
Verification Successful
Verification of your installation(s) "XenServer" completed successfully: no problems were found.
Ok

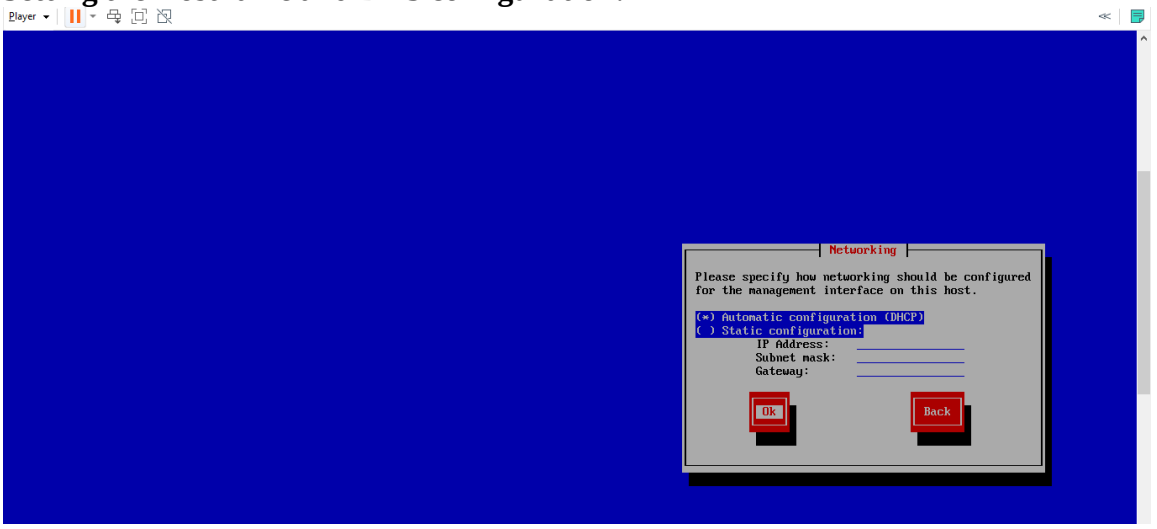
Setting the password:



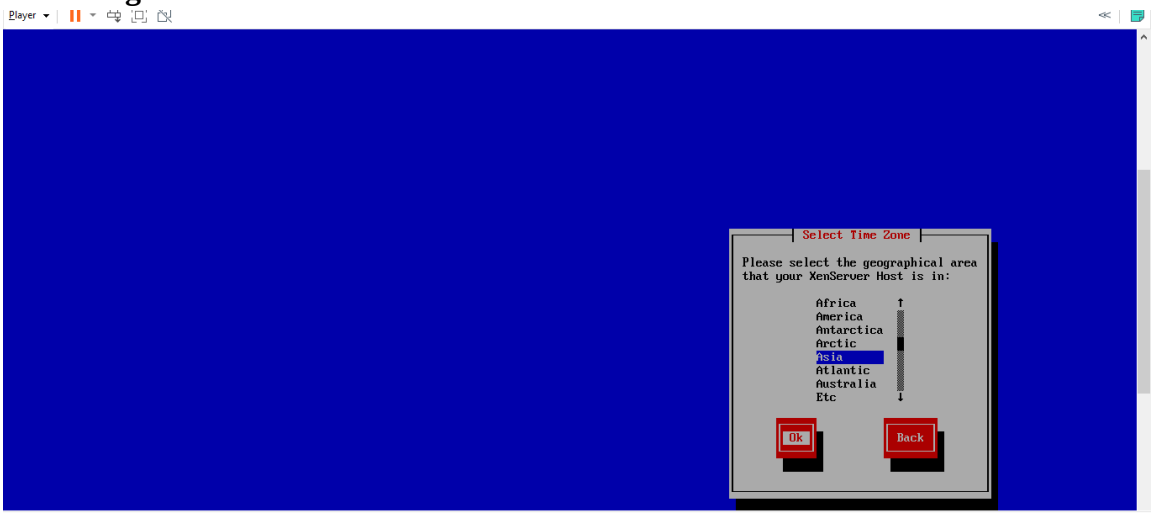
Specifying the network configuration:



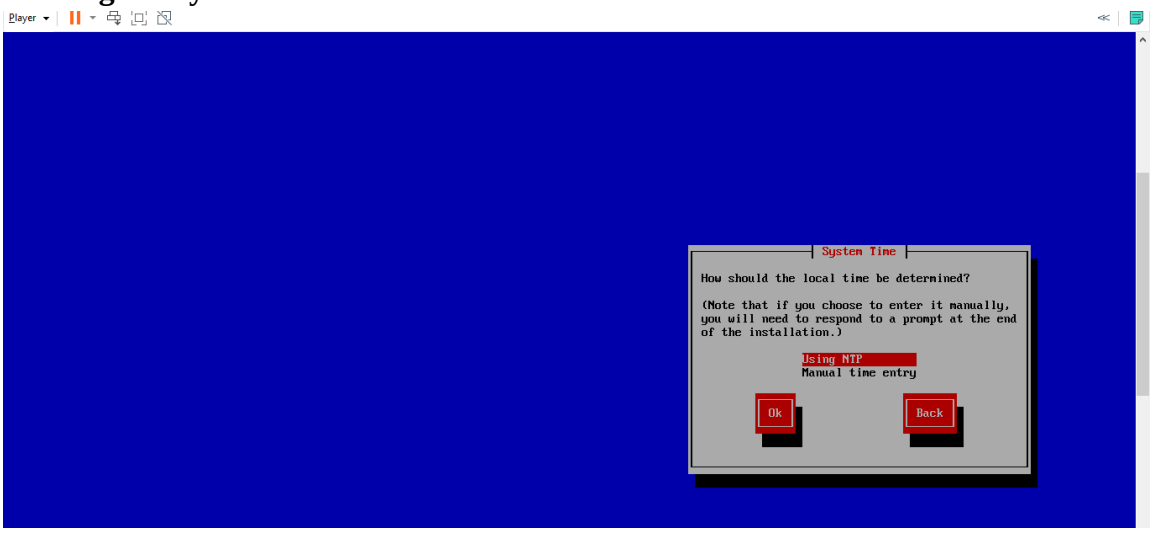
Setting the Hostname and DNS configuration:



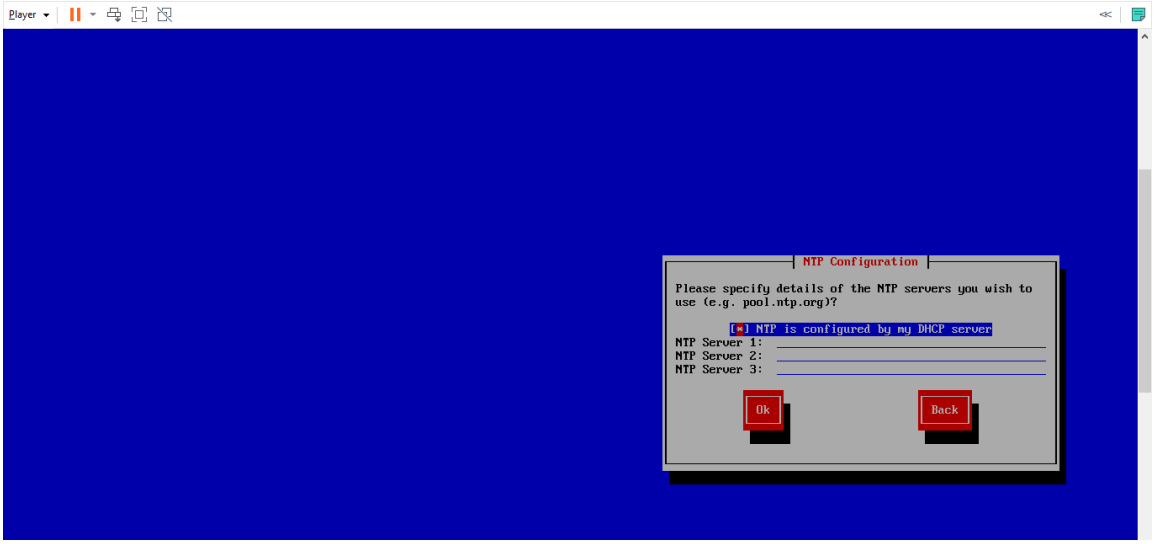
Selecting the Time Zone:



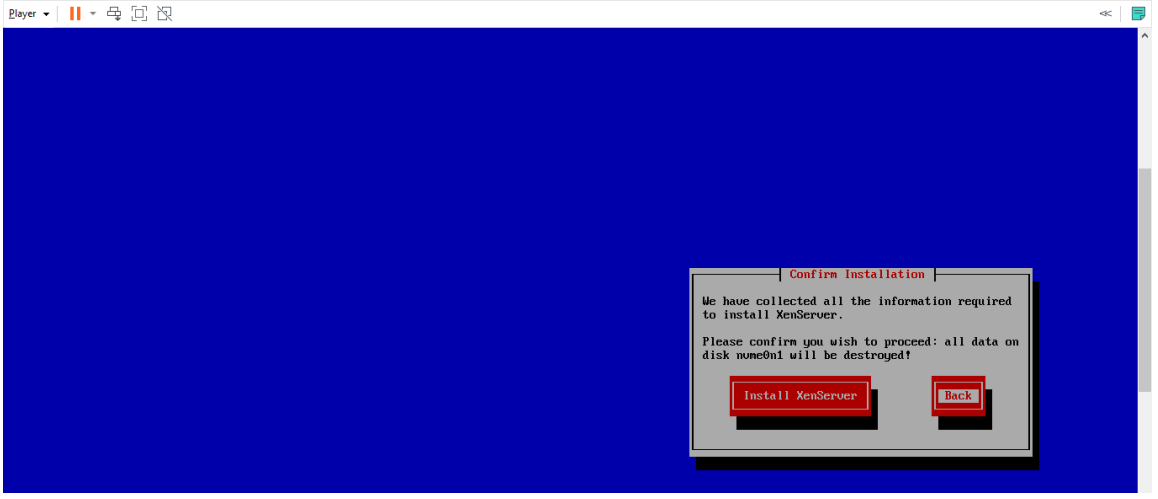
Setting the System Time:

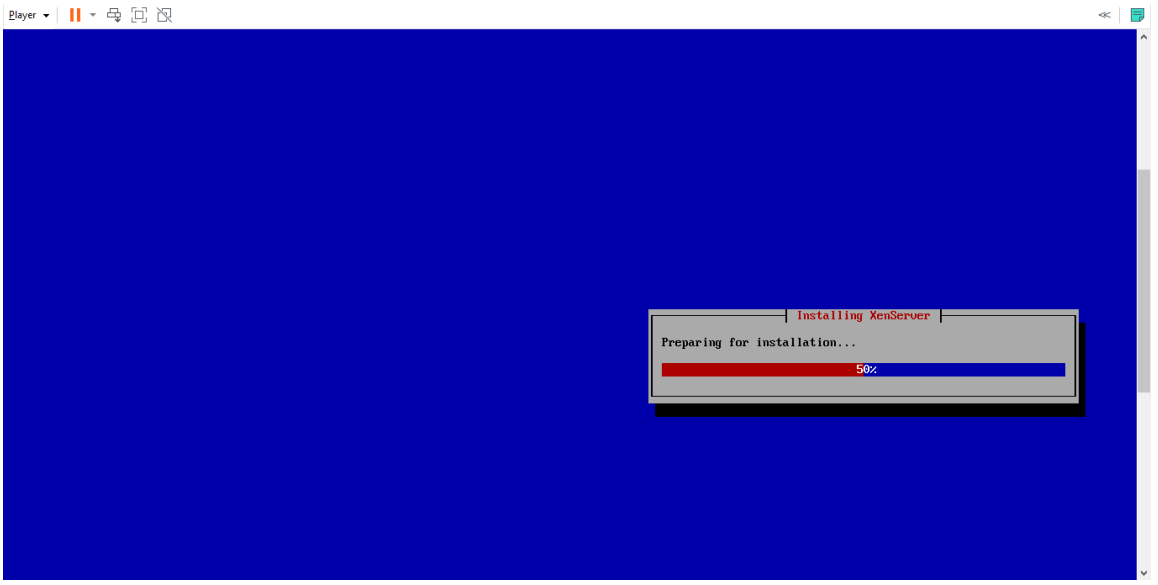


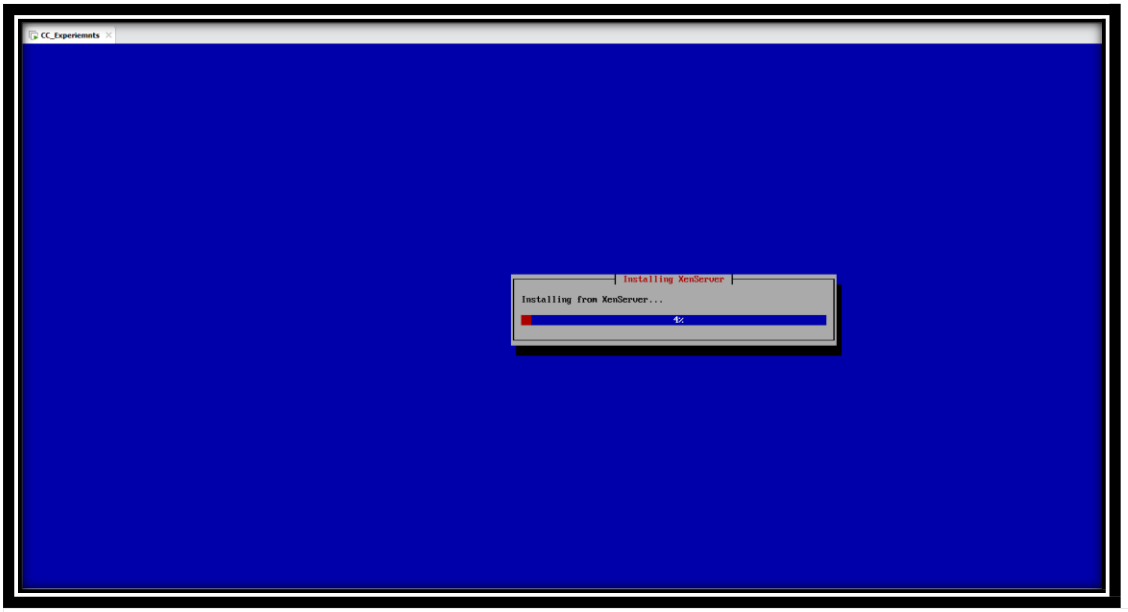
Configuring NTP servers:

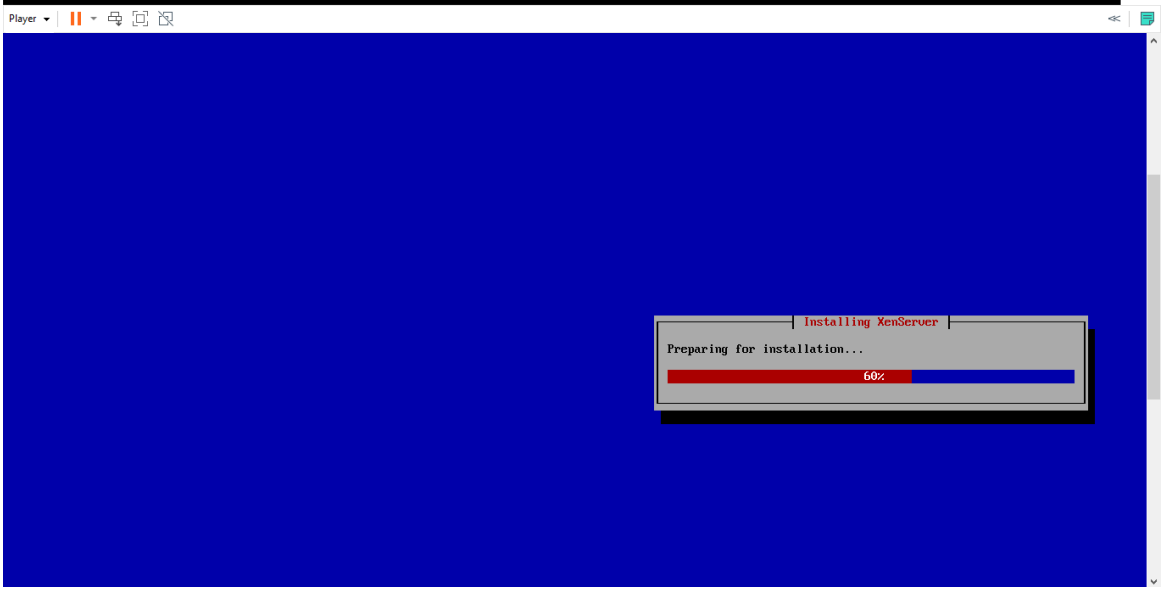


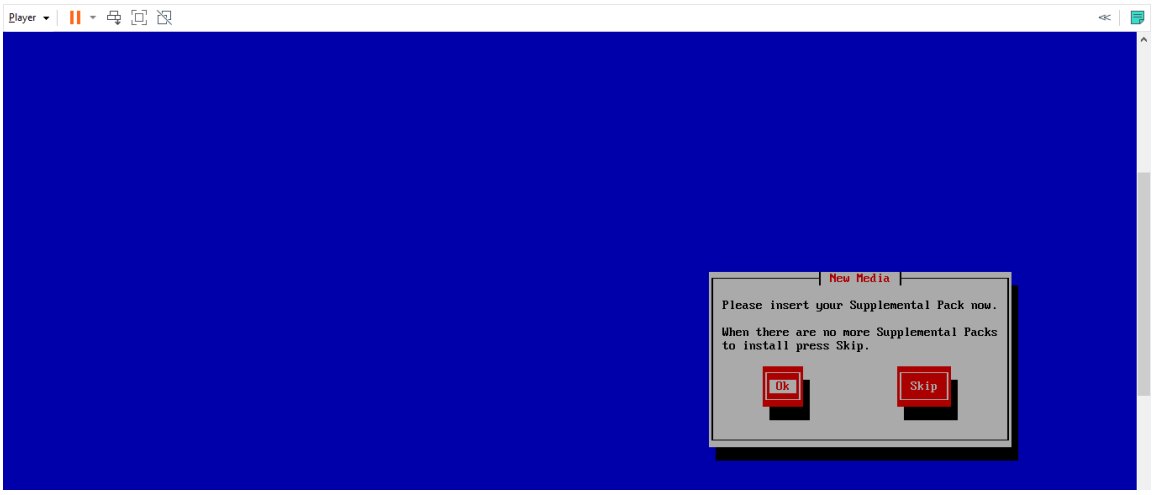
Installing Xenserver:

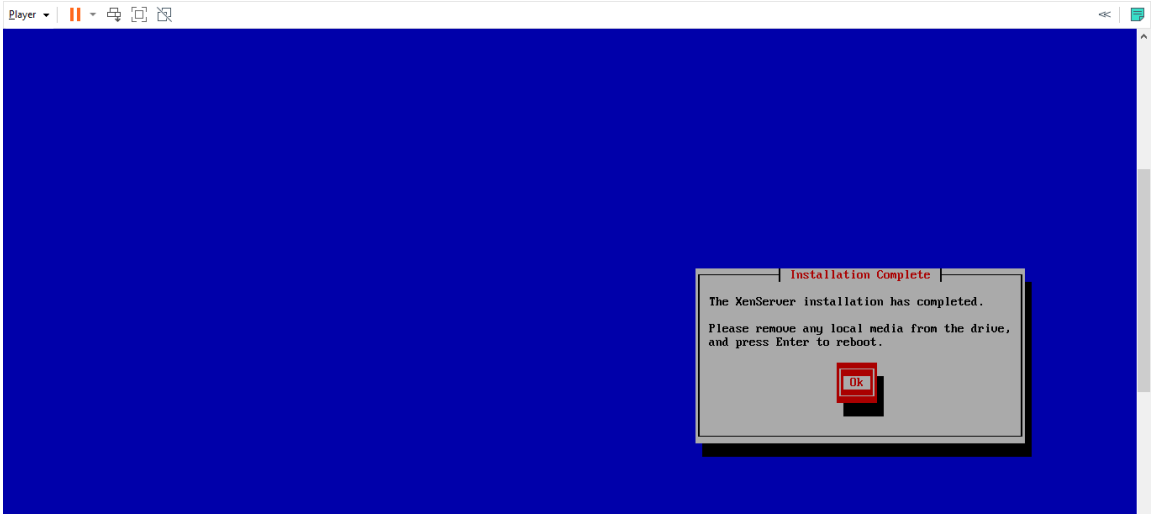



Player
Installing XenServer
Preparing for installation...
50%


CC_Experiments
Installing XenServer
Installing from XenServer...
4%


Player
Installing XenServer
Preparing for installation...
60%

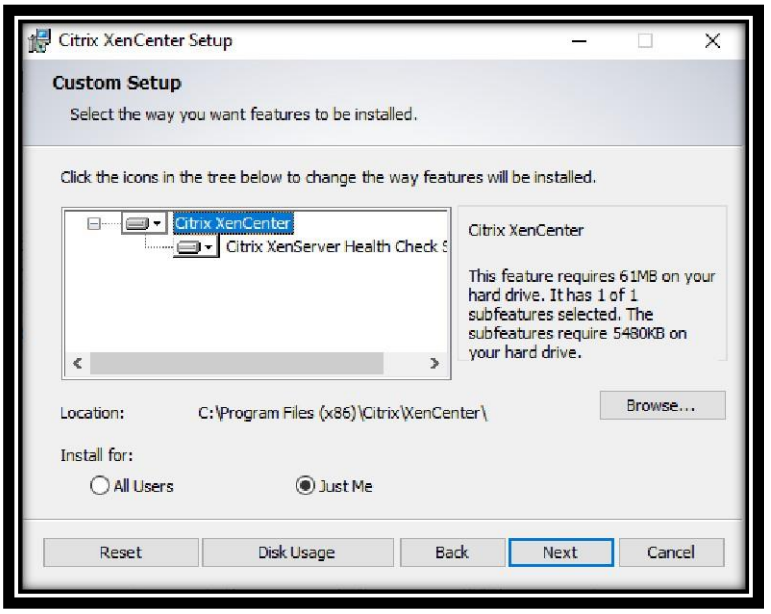

Player
New Media
Please insert your Supplemental Pack now.
When there are no more Supplemental Packs to install press Skip.
Ok
Skip


Player
Installation Complete
The XenServer installation has completed.
Please remove any local media from the drive, and press Enter to reboot.
Ok

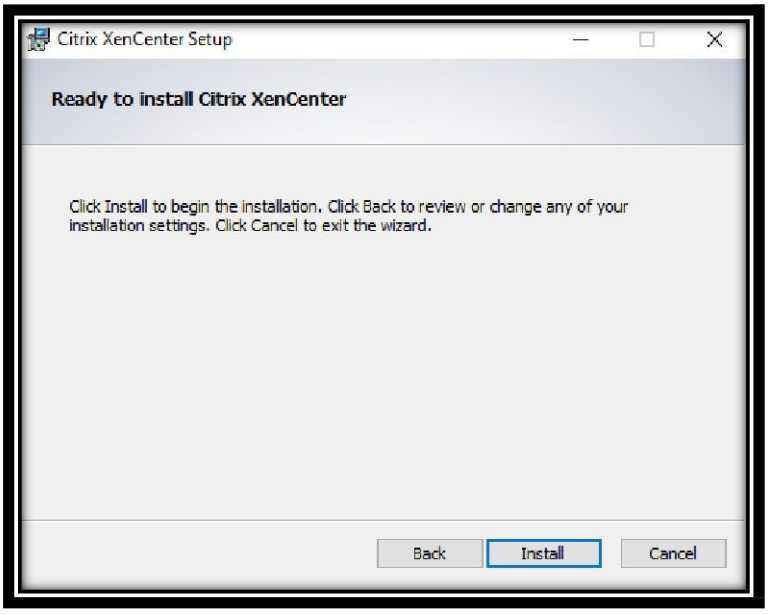

CC_Experiemnts
CITRIX | XenServer™

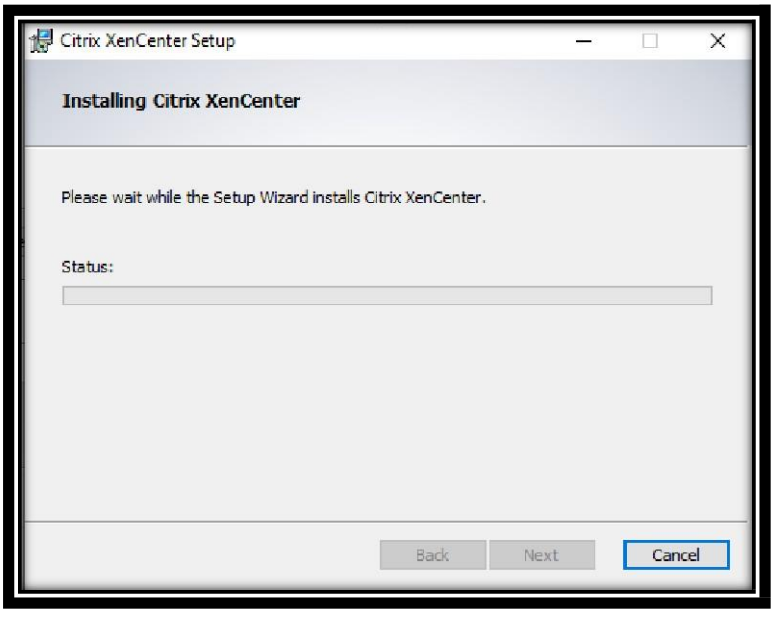
Downloading and opening XenCenter:

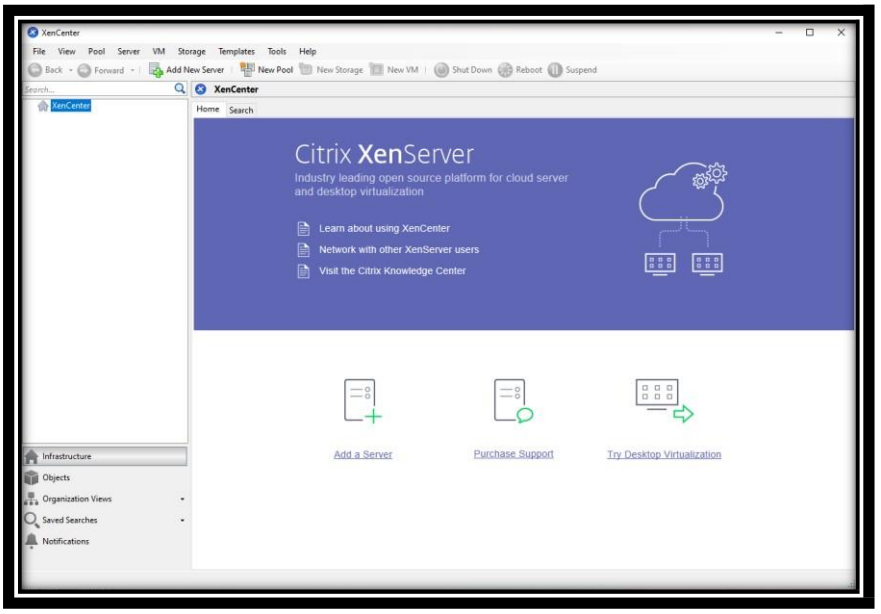
Select the features to be installed:



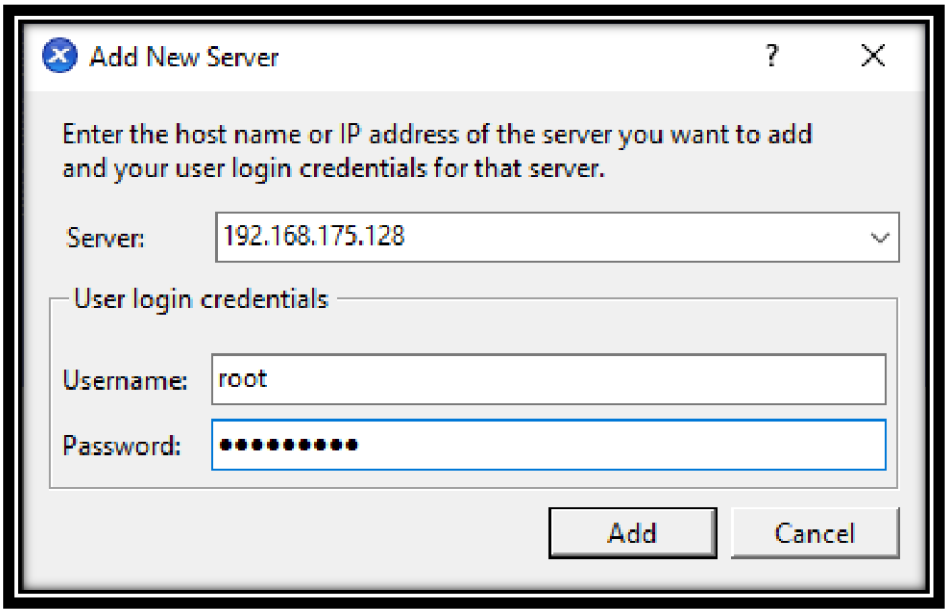
Installing Citrix XenCenter:





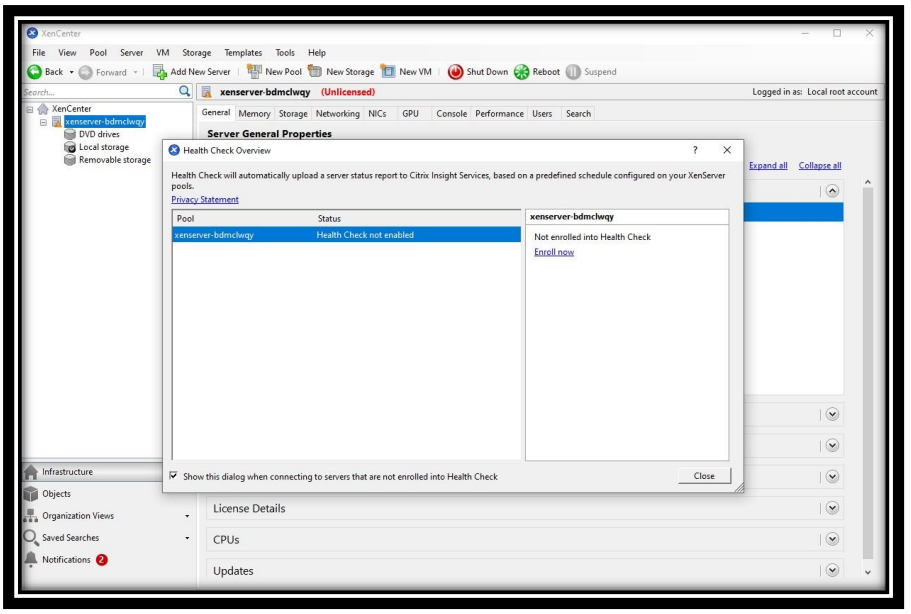


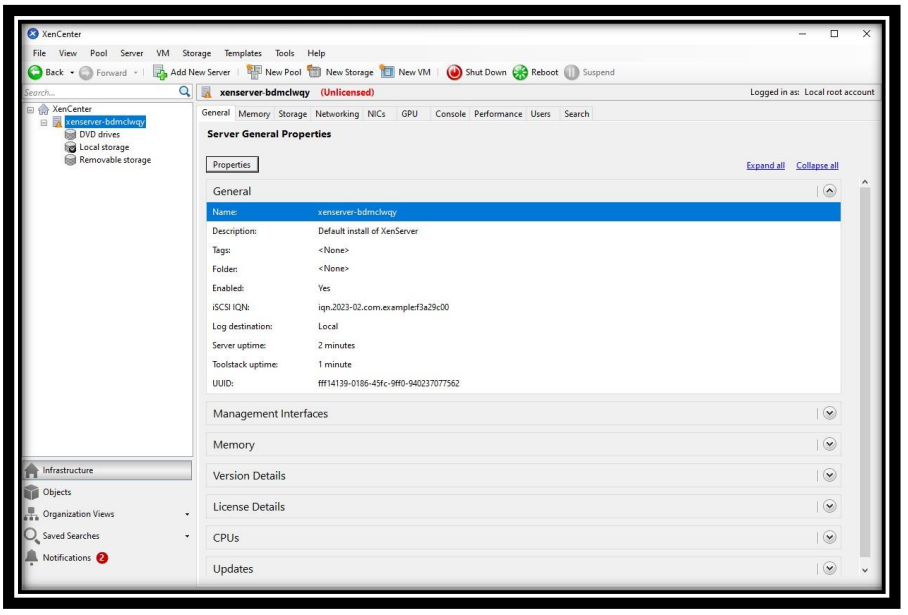
Clicking on 'Add a Server':



Adding the server details:

Selecting appropriate option and Finishing:





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 automaticallywhen the physical-machine reboot is finished.
   - **b.** If you reboot one virtual machine, all the other virtual machines reboot at thesame time.

c. **You can reboot a virtual machine without it having any effect on the othervirtual 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) absolutelynecessary.
   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 partyoperating system.**
   a. True
   b. **False**

7. **The hypervisor acts like a traffic cop, directing hardware access and coordinatingrequests 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: (Conclusion to be based on the objectives and outcomes achieved)

Learnt about Virtualization using VMware workstation and XEN Server-Client installation.