



**Tribhuvan University**  
**Faculty of Humanities and Social Sciences**

**A Lab REPORT**  
**Of**  
**Software Project Management**

**Submitted to:**  
**Department of Computer Application**  
**Damak Multiple Campus**

*In partial fulfillment of the requirements for the Bachelors in Computer Application*

Submitted by

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(TU Symbol No: 6-2-202-885-2019)

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Under the Supervision of  
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## **Acknowledgement**

The lab work report has been prepared in the partial fulfillment of course “**Cloud Computing**” of Seven semester of Bachelor of art in computer application while preparing this report, I got a lot of co-operation and suggestion from different persons.

I am thankful to **Mr.Pradip Ghimire** (subject teacher) for properly guiding me. I also want to thank my friends who helps me a lot in the lab work.

I would like to express my hearty thanks to my family member who provided inspiration and motivation regularly for my success.

## **Certificate**

This is to certify that the lab report entitled Software Project Management is an academic work done by Sandip Chapagain submitted in the partial fulfillment of the requirements for the degree of Bachelor of Computer Application at Faculty of Humanities and Social Science ,Tribhuvan University under my guidance and supervision. To the best of my knowledge, the work performed by him in the lab report is his own creation.

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Signature

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## Lab 1: Install vmware and create two virtual machines(window and linux) on your system.

**Objective:** To install vmware and create virtual machine

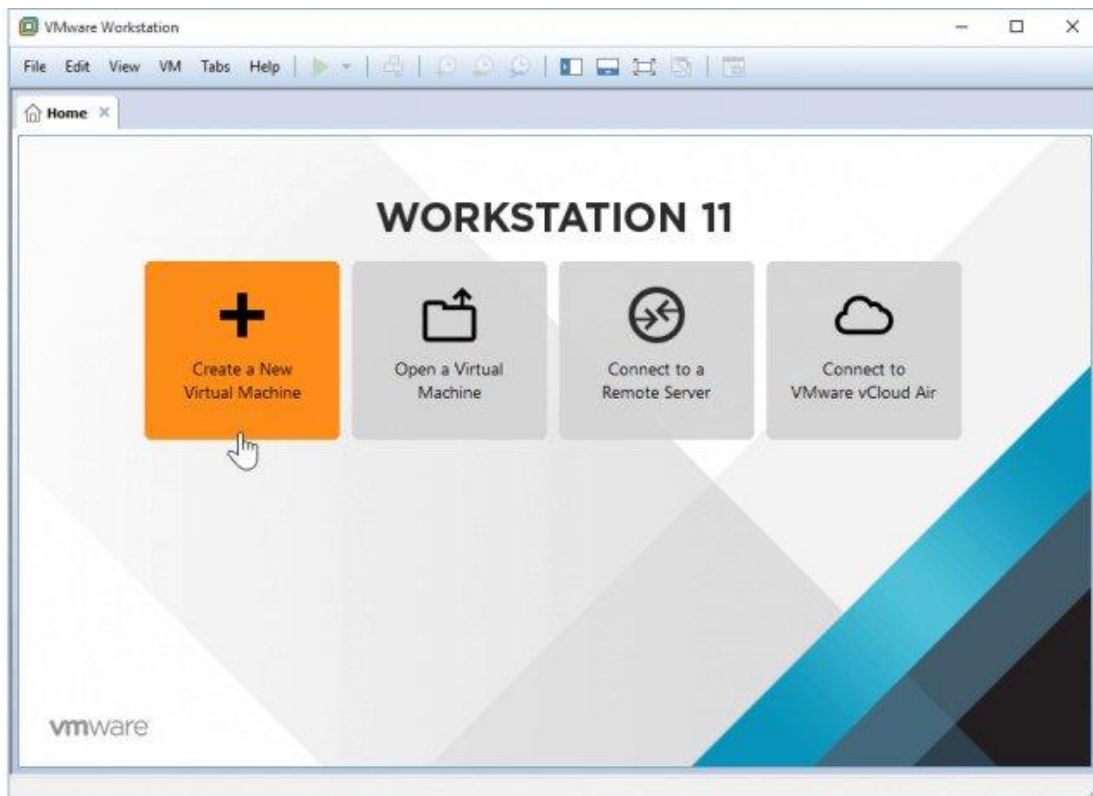
**Requirements:** 8GB Ram, 100 HDD, i5 Processor, vmware and ISO file

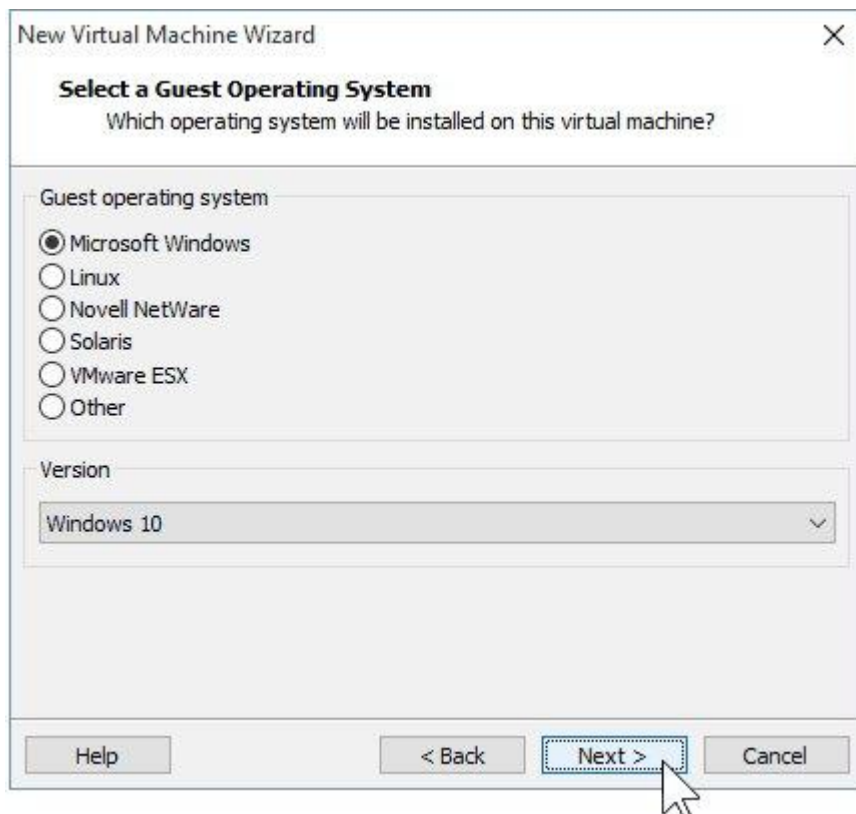
### Procedure:

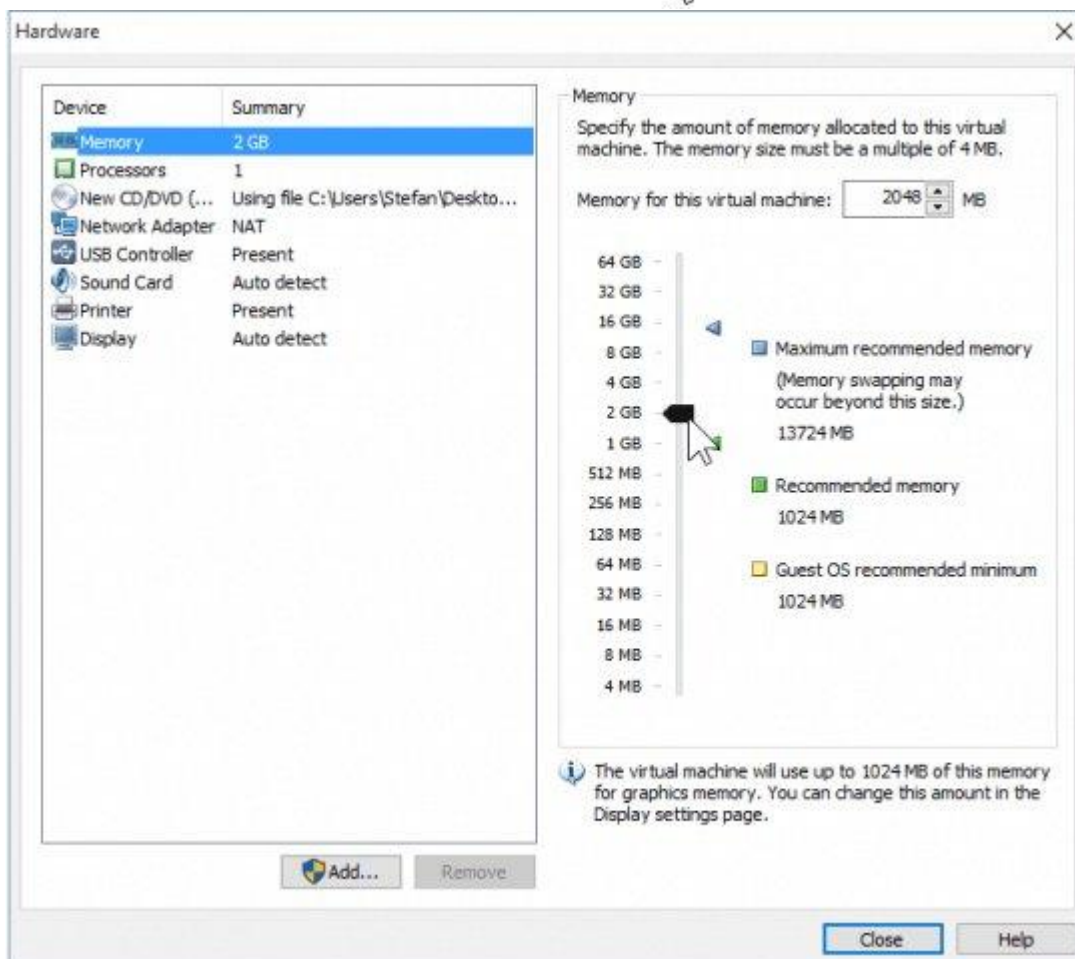
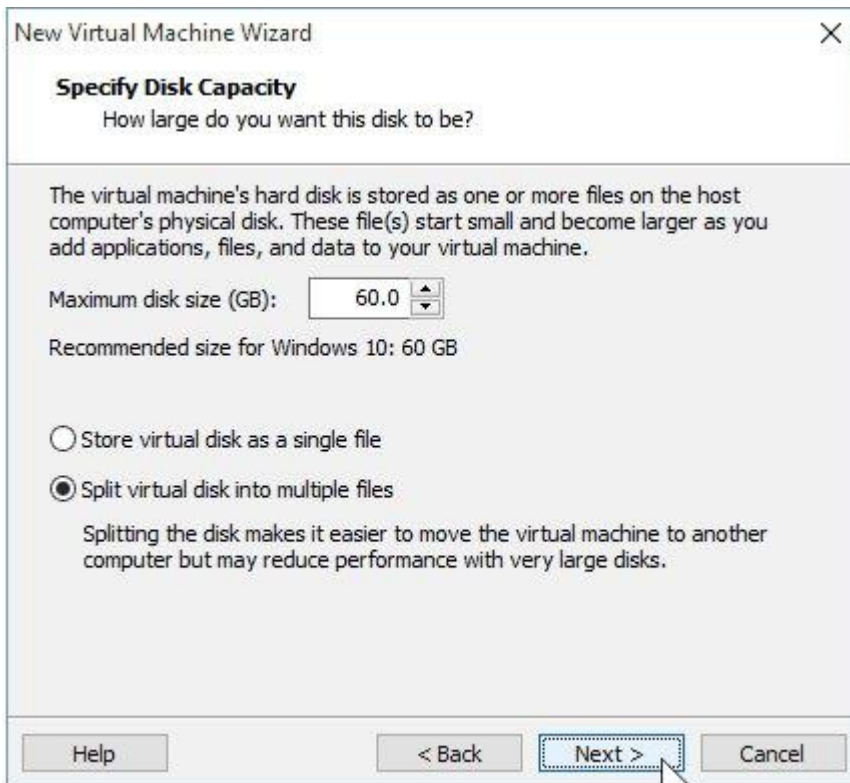
Step 1: Download vmware workstation from the official website and install it on your machine

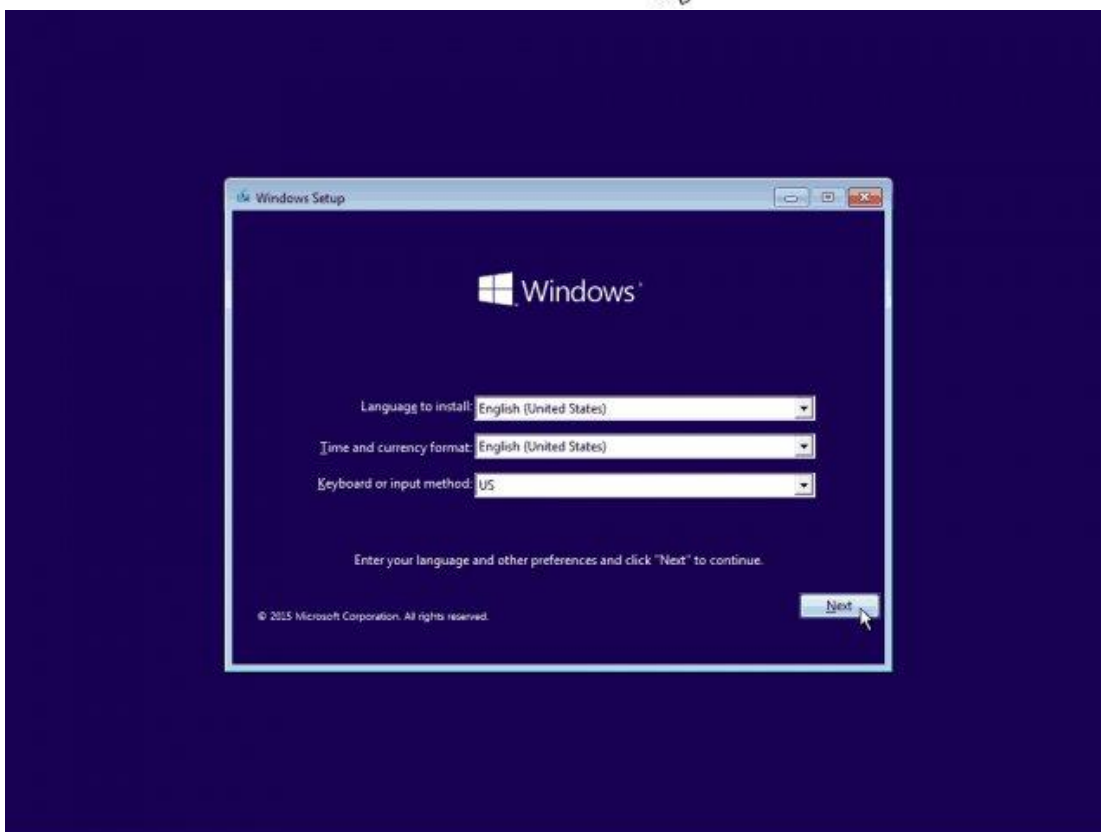
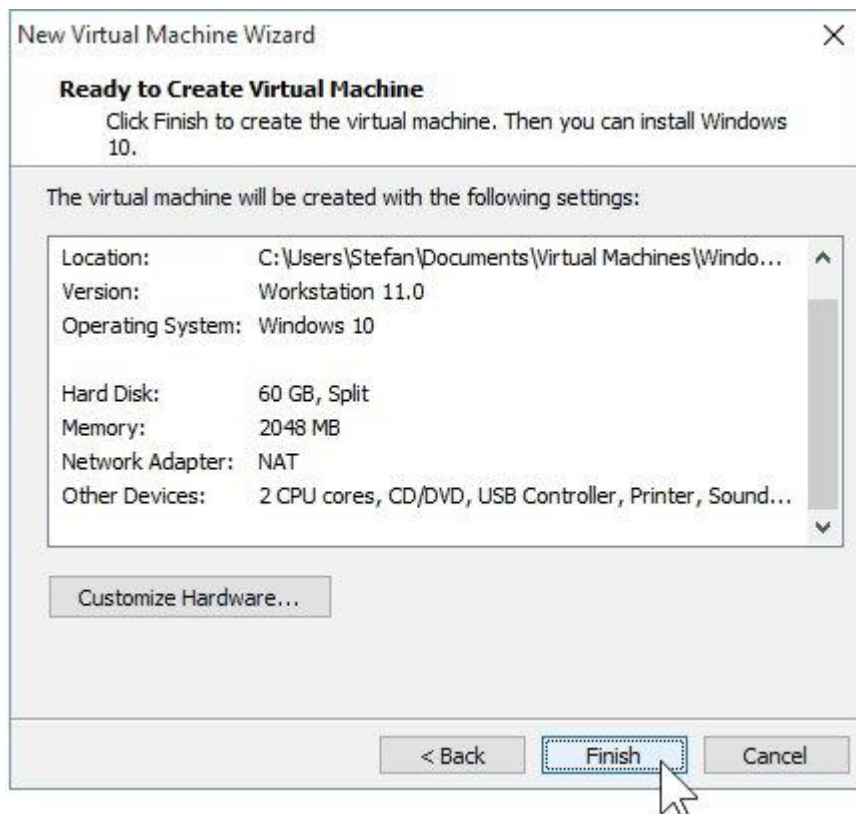
Step 2: Download windows 10 iso and ubuntu iso

Step 3: Launch the vmware and follow these steps



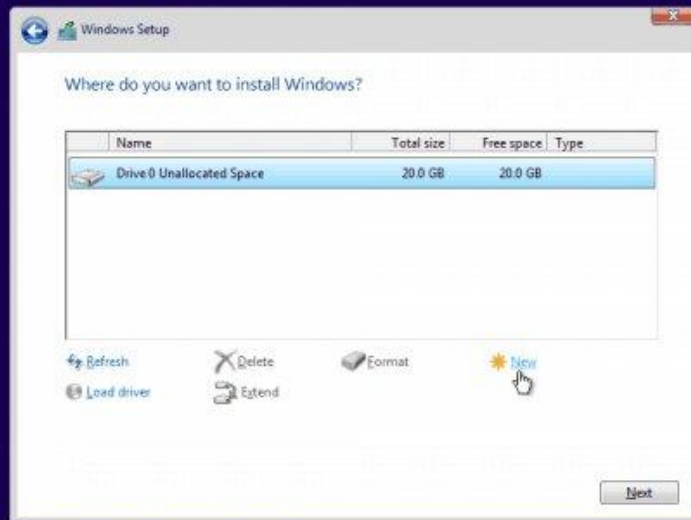








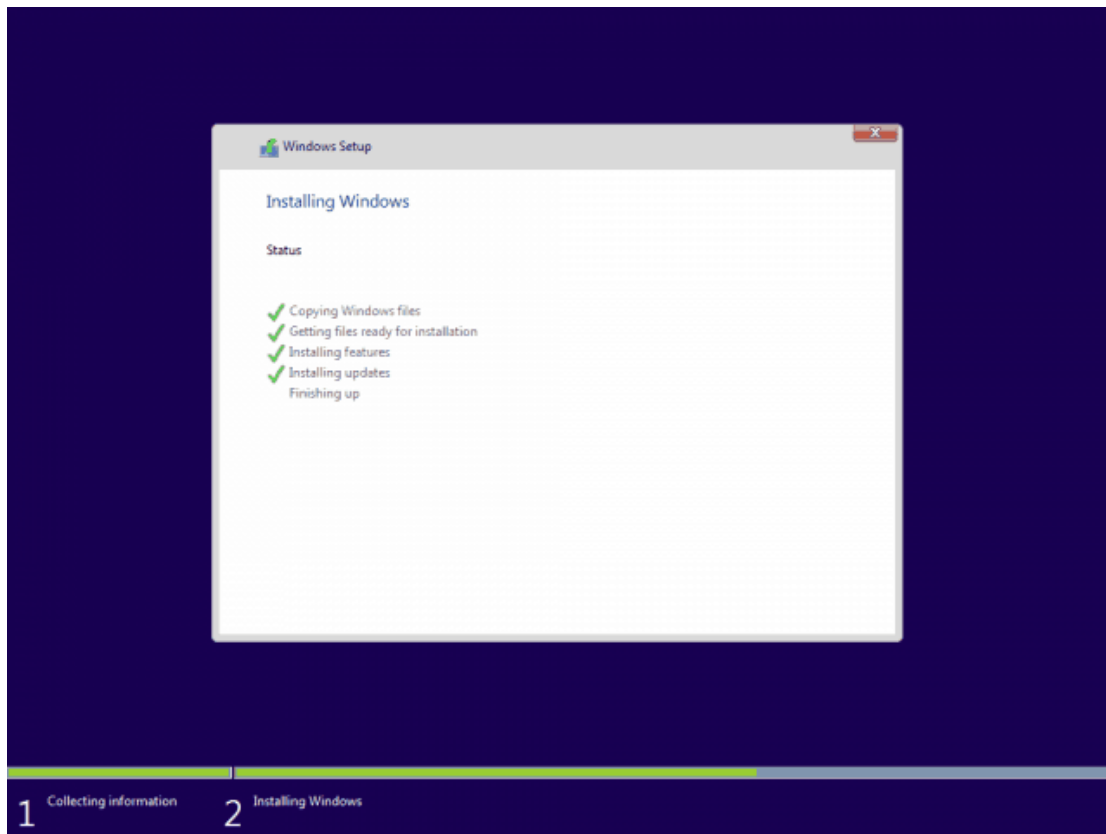




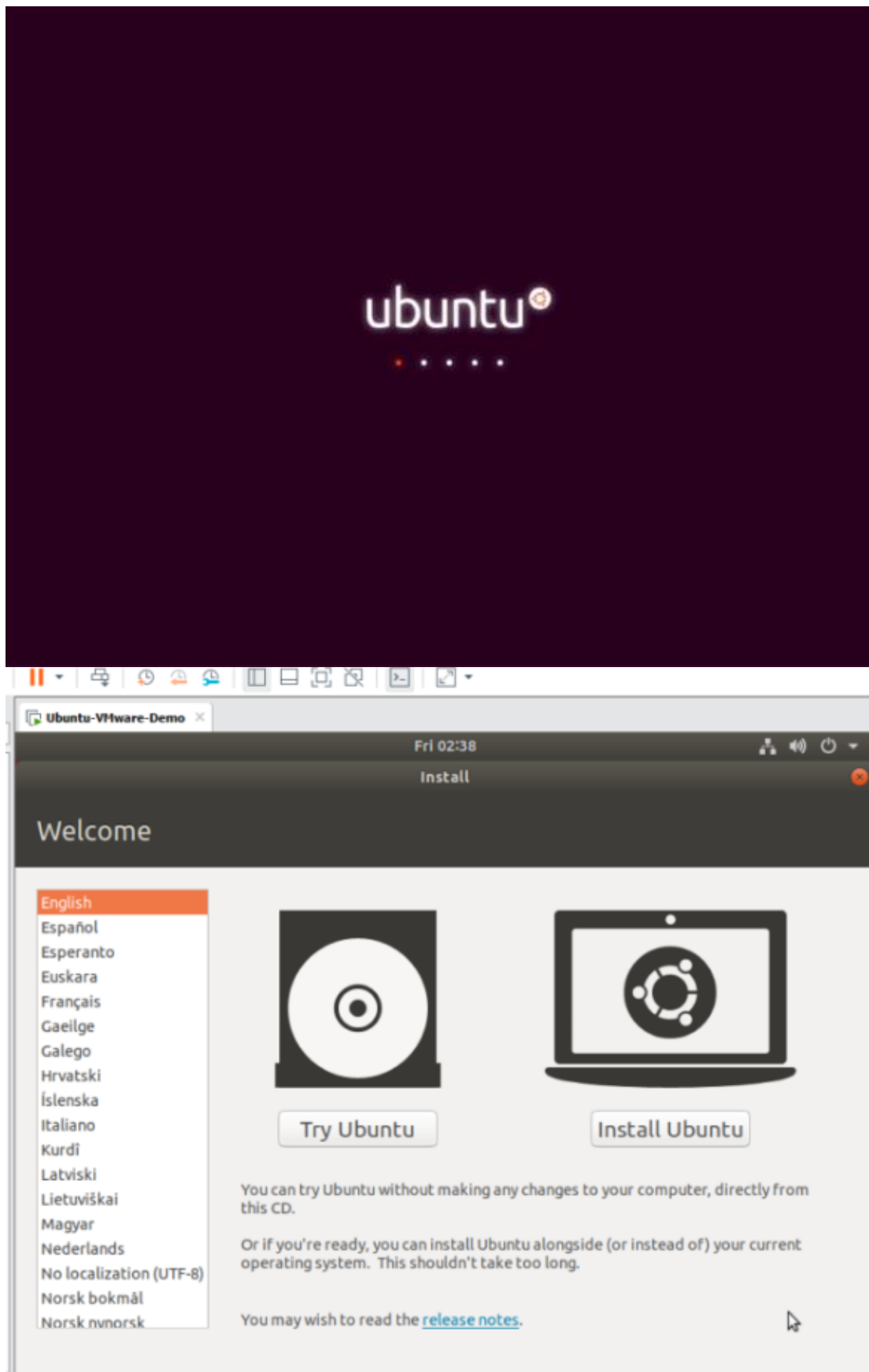
1 Collecting information 2 Installing Windows

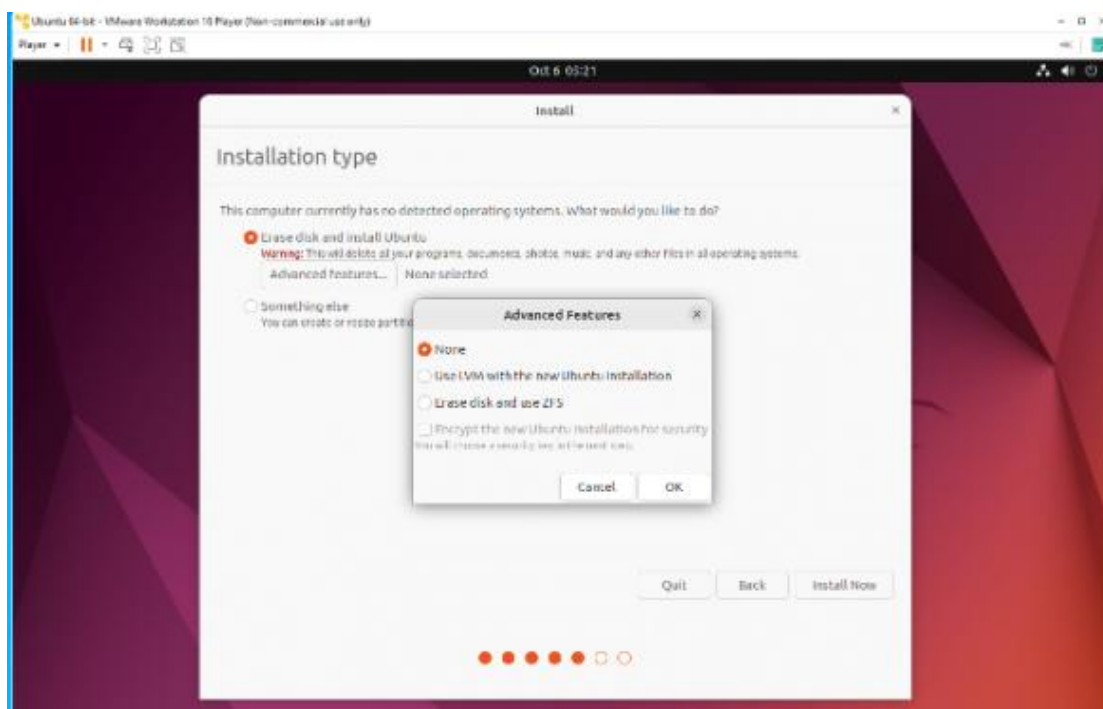
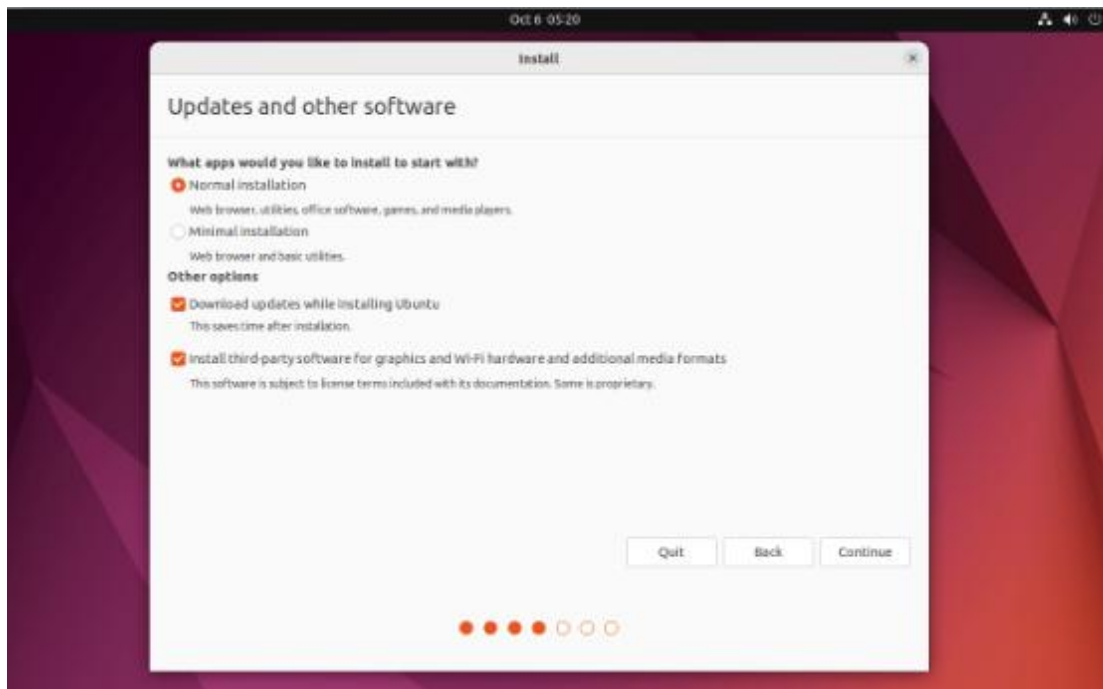


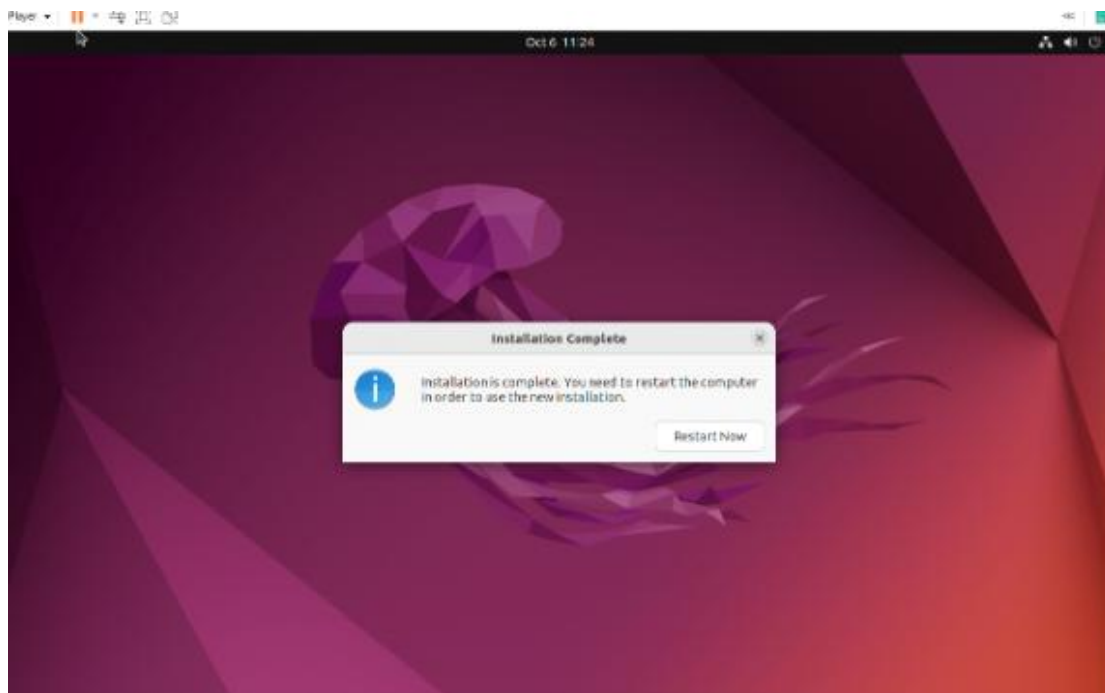
1 Collecting information 2 Installing Windows



## For Ubuntu







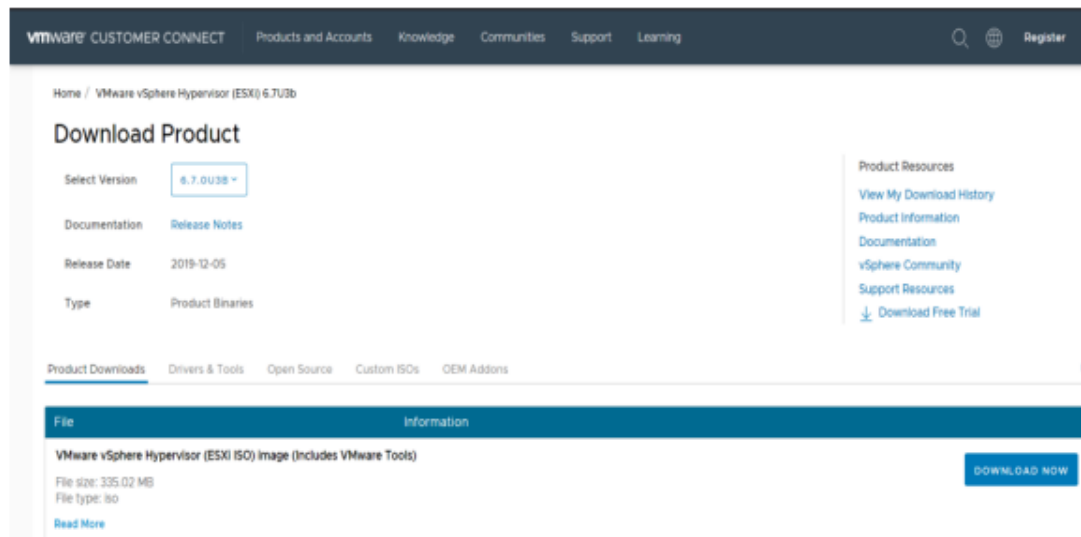
## Lab 2: Installation and configuration of esxi server

**Objective:** To install and configure esxi server

**Requirements:** 8GB Ram, 100 HDD, i5 Processor,

**Procedure:**

Step 1: Download the vmware sphere (esxi server)



New Virtual Machine Wizard

**Choose the Virtual Machine Hardware Compatibility**  
Which hardware features are needed for this virtual machine?

Virtual machine hardware compatibility

Hardware: Workstation 15.x

Compatible: ☒ ESX Server

Compatible products:

- ESXi 7.0
- Fusion 12.x
- Fusion 11.x
- Workstation 16.x
- Workstation 15.x

Limitations:

- 64 GB memory
- 16 processors
- 10 network adapters
- 8 TB disk size
- 3 GB shared graphics memory
- No DirectX 11 support

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

☒ VMware ESX

☐ Other

Version

VMware ESXi 6.x

Help < Back Next > Cancel



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.

Memory for this virtual machine: 16384 MB

128 GB  
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

Maximum recommended memory:  
55.9 GB

Recommended memory:  
4 GB

Guest OS recommended minimum:  
4 GB

Help < Back Next > Cancel

New Virtual Machine Wizard

**Network Type**  
What type of network do you want to add?

Network connection

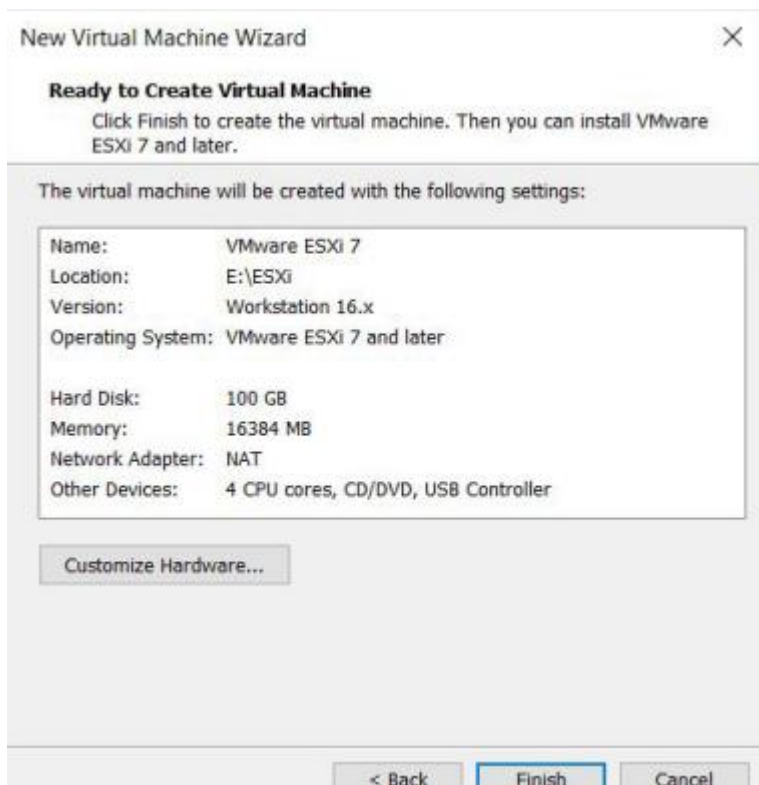
☐ Use bridged networking  
Give the guest operating system direct access to an external Ethernet network. The guest must have its own IP address on the external network.

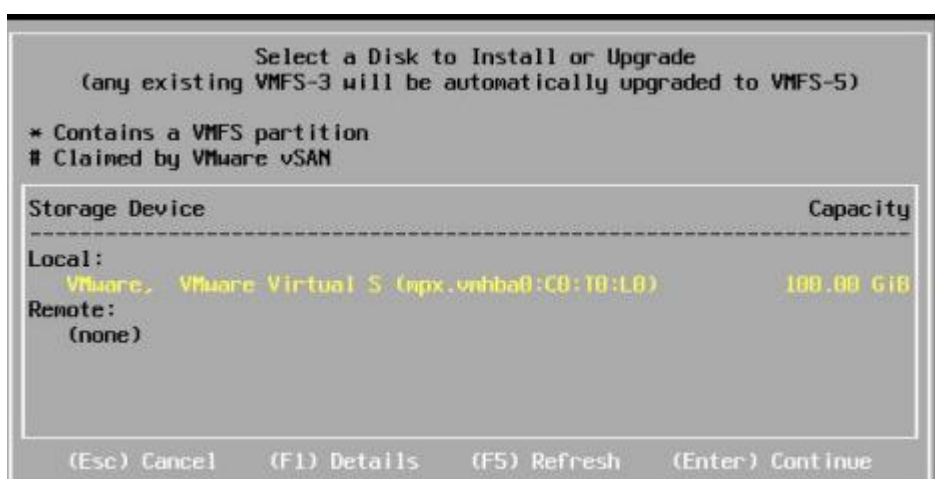
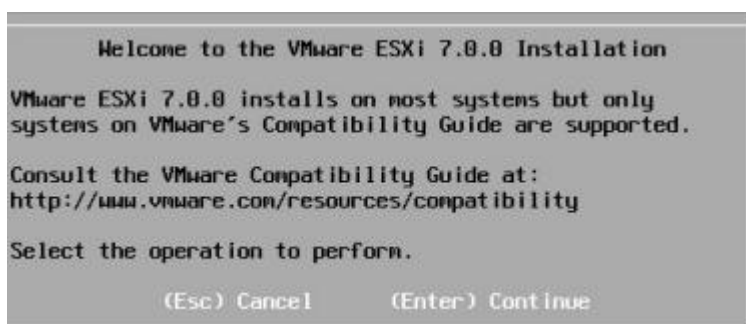
☒ Use network address translation (NAT)  
Give the guest operating system access to the host computer's dial-up or external Ethernet network connection using the host's IP address.

☐ Use host-only networking  
Connect the guest operating system to a private virtual network on the host computer.

☐ Do not use a network connection

Help < Back Next > Cancel





Enter a root password

Root password: \*\*\*\*\*  
Confirm password: \*\*\*\*\*\_

Passwords match.

(Esc) Cancel    (F9) Back    (Enter) Continue

Confirm Install

The installer is configured to **install** ESXi 7.0.0 on:  
mpx.vmhba0:C0:T0:L0.

Warning: This disk will be repartitioned.

(Esc) Cancel    (F9) Back    (F11) Install

Installation Complete

ESXi 7.0.0 has been installed successfully.

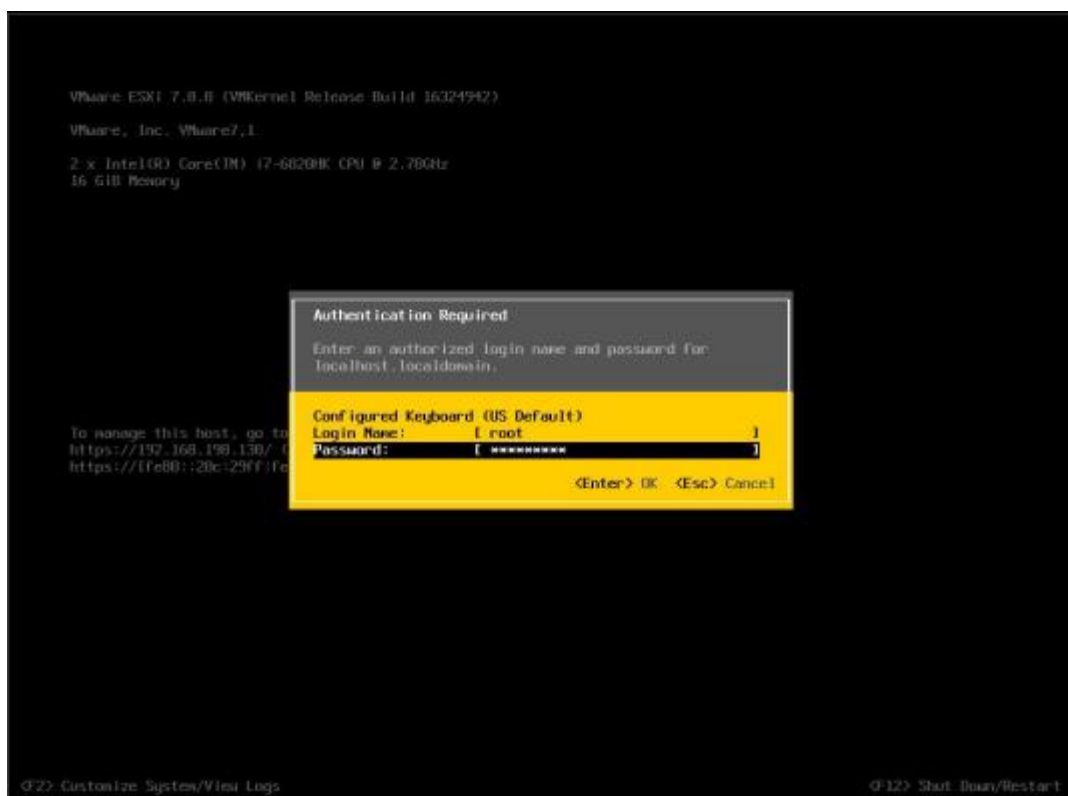
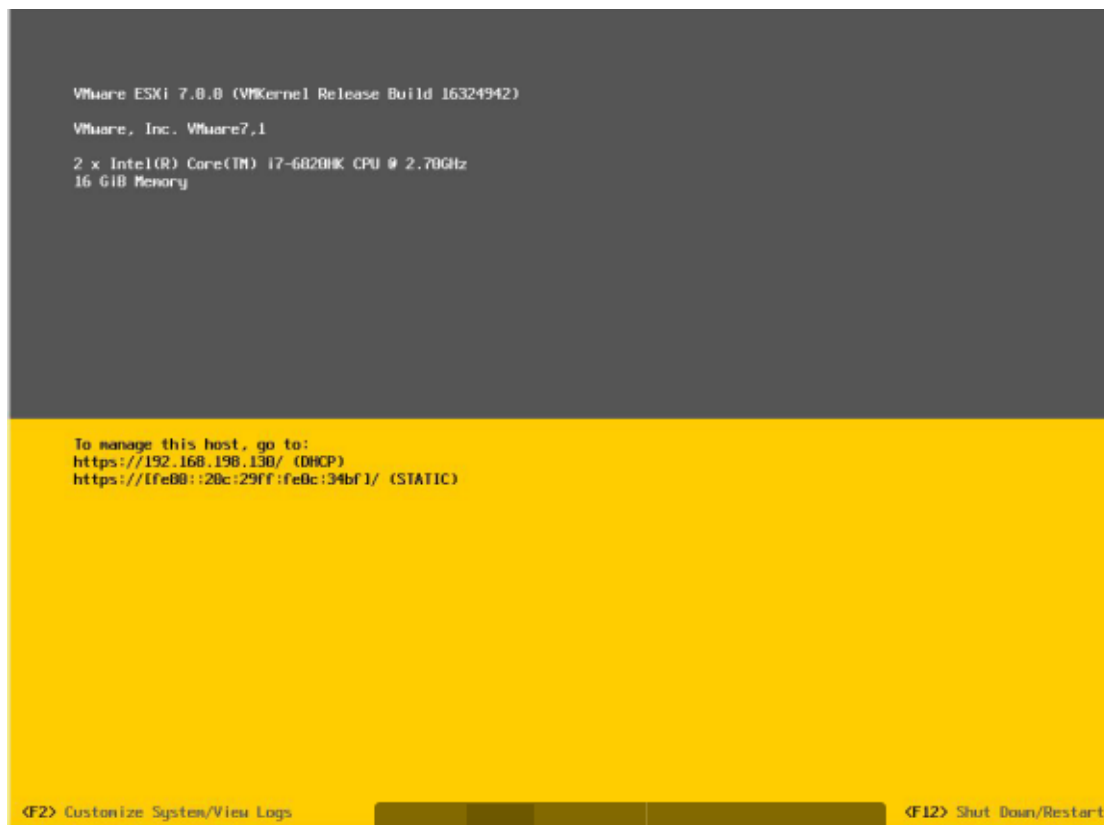
ESXi 7.0.0 will operate in evaluation mode for 60 days.  
To use ESXi 7.0.0 after the evaluation period, you must  
register for a VMware product license.

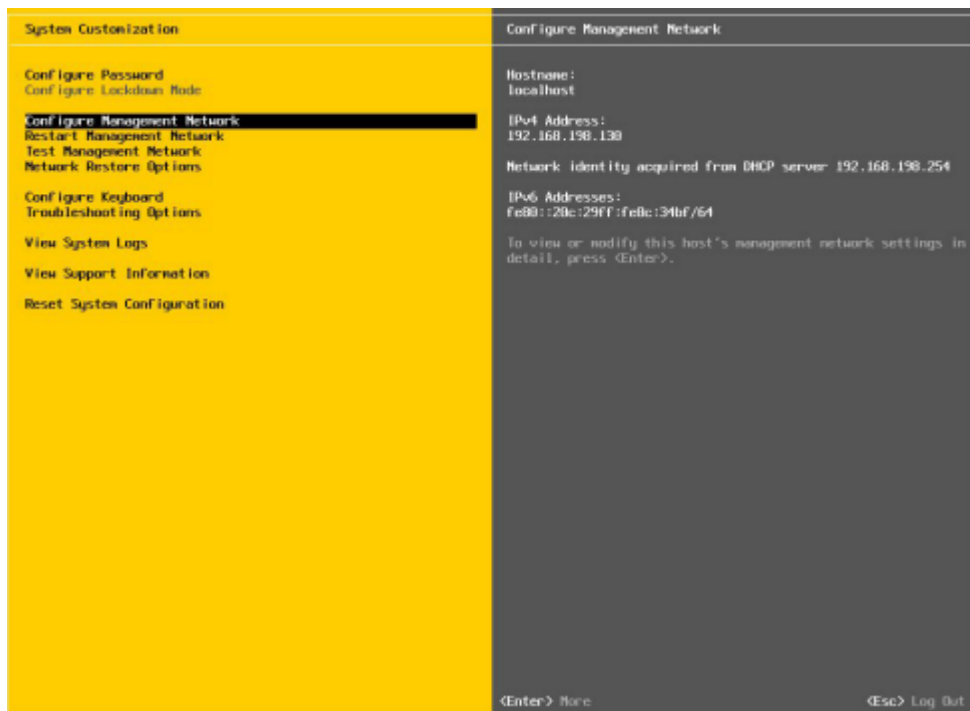
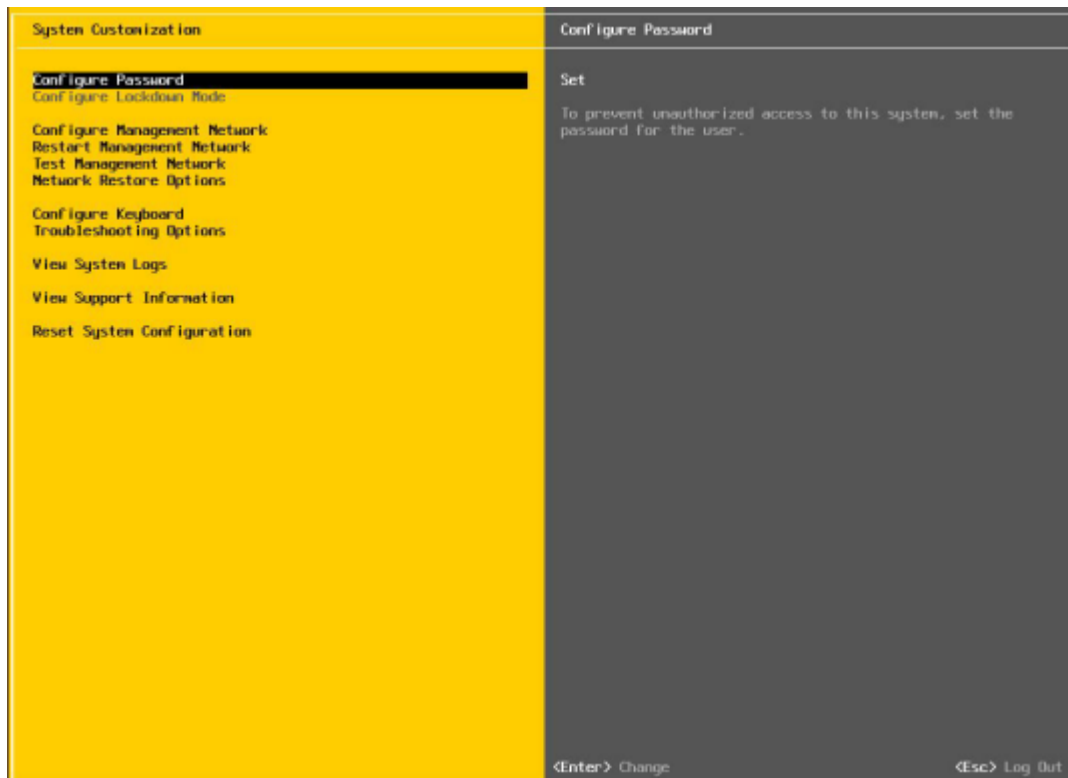
To administer your server, navigate to the server's  
hostname or IP address from your web browser or use the  
Direct Control User Interface.

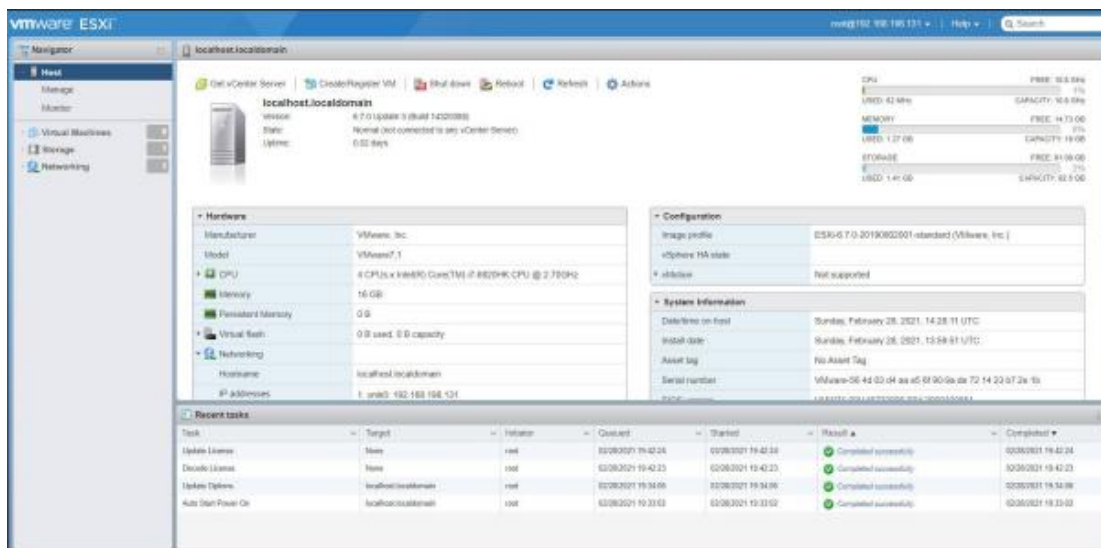
**Remove the installation media before rebooting.**

Reboot the server to start using ESXi 7.0.0.

(Enter) Reboot







## Lab 3: Configuring security policies and roles in vsphere/esxi

**Objective:** To configure security policies and roles in esxi server

**Requirements:** 8GB Ram, 100 HDD, i5 Processor,

**Procedure:**

