

EXP 14: CREATE A VIRTUAL HARD DISK AND ALLOCATE THE STORAGE USING VM WARE WORKSTATION.

DATE:

AIM: To create a virtual hard disk and allocate the storage using vm ware workstation

PROCEDURE:

STEP 1: GOTO VM WARE WORKSTATION.

STEP 2: RIGHT CLICK THE VM AND GOTO THE SETTINGS.

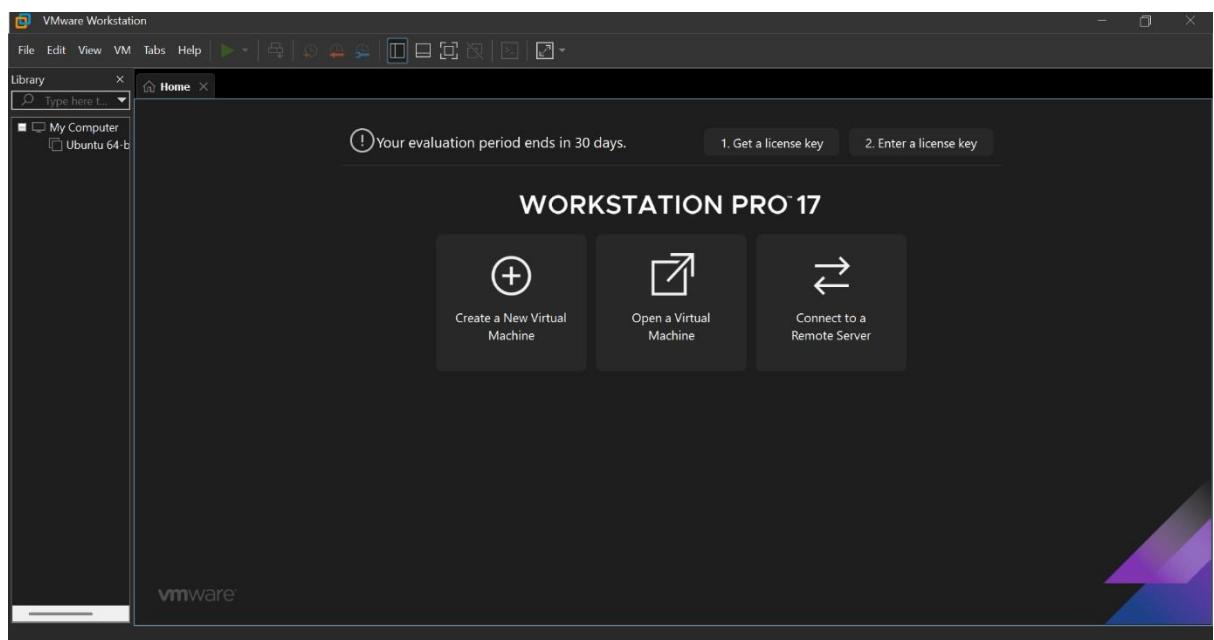
STEP 3: ADD HARDWARE WIZARD AND SELECT SCSI AND CLICK NEXT.

STEP 4: CREATE NEW VIRTUAL DISK.

STEP 5: SELCT THE DISK SIZE AS 2.0. AND SELCT SPLIT VIRTUAL DISK INTO MULTIFILES.

STEP 6: GIVE NAME AND CLICK THE FINISH.

DESIGN:



New Virtual Machine Wizard

X



Welcome to the New Virtual Machine Wizard

What type of configuration do you want?

Typical (recommended)

Create a Workstation 17.x virtual machine in a few easy steps.

Custom (advanced)

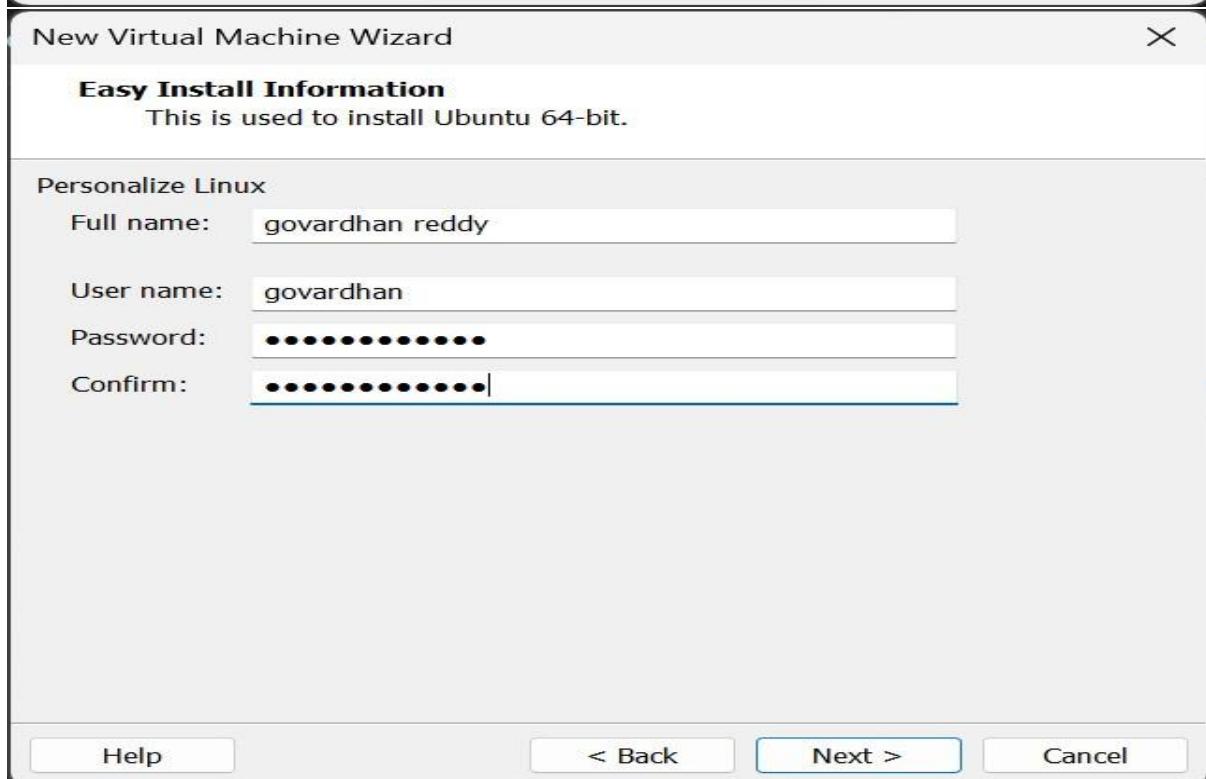
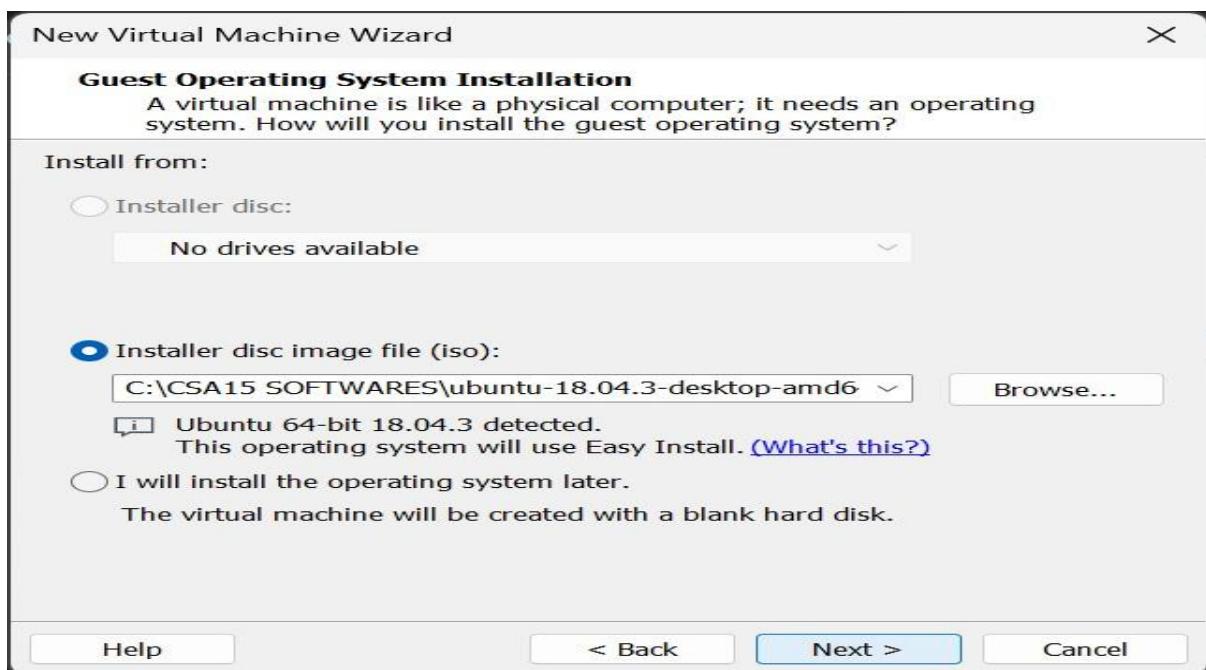
Create a virtual machine with advanced options, such as a SCSI controller type, virtual disk type and compatibility with older VMware products.

Help

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Cancel



New Virtual Machine Wizard

X

Name the Virtual Machine

What name would you like to use for this virtual machine?

Virtual machine name:

Ubuntu 64-bit

Location:

C:\Users\ngova\OneDrive\Documents\Virtual Machines\Ubuntu 64-bit

[Browse...](#)

The default location can be changed at [Edit > Preferences](#).

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New Virtual Machine Wizard

X

Name the Virtual Machine

What name would you like to use for this virtual machine?

Virtual machine name:

Ubuntu 64-bit vm 1

Location:

C:\Users\ngova\OneDrive\Documents\Virtual Machines\Ubuntu 6

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The default location can be changed at [Edit > Preferences](#).

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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):

Recommended size for Ubuntu 64-bit: 20 GB

- Store virtual disk as a single file
- Split virtual disk into multiple files

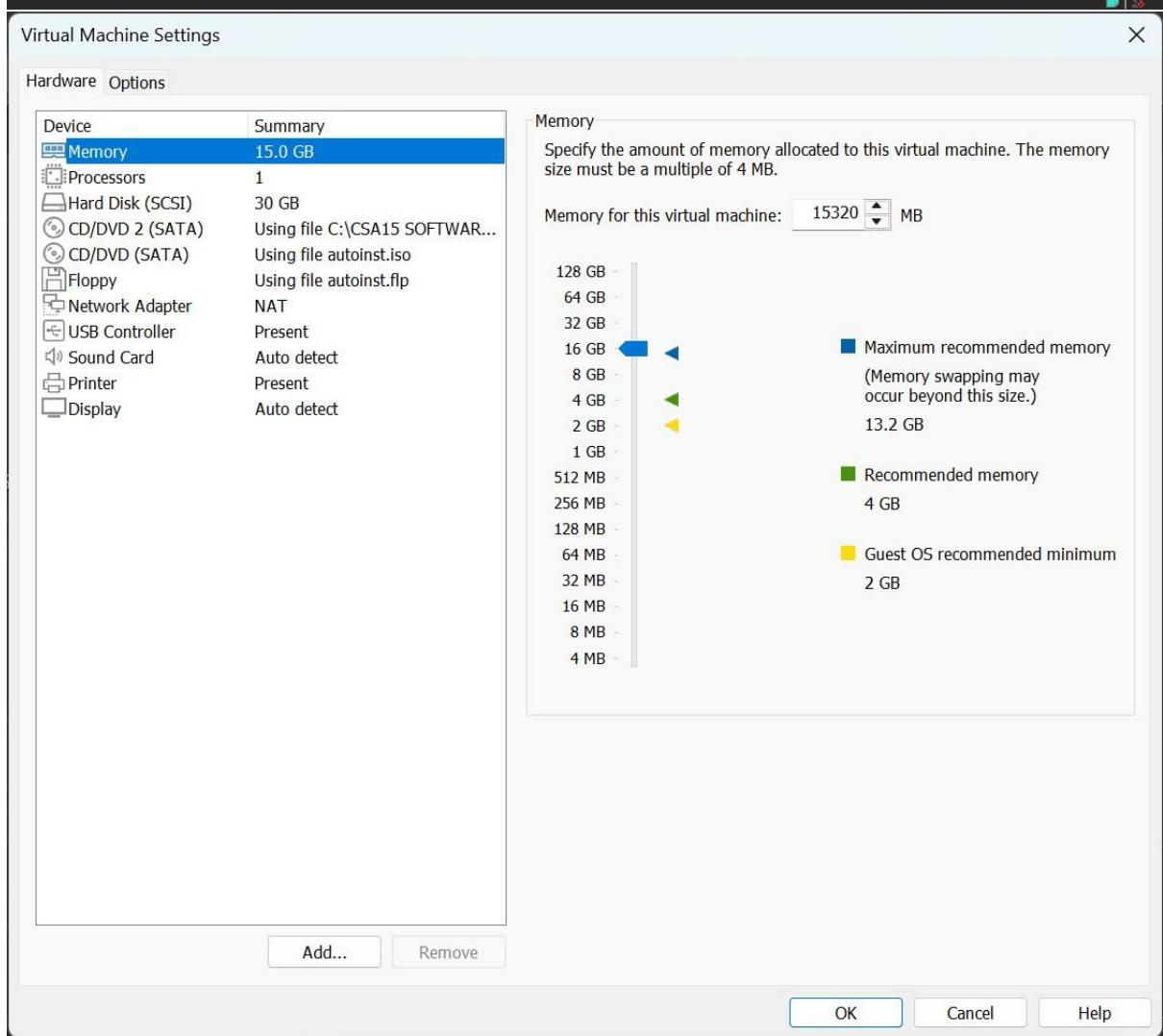
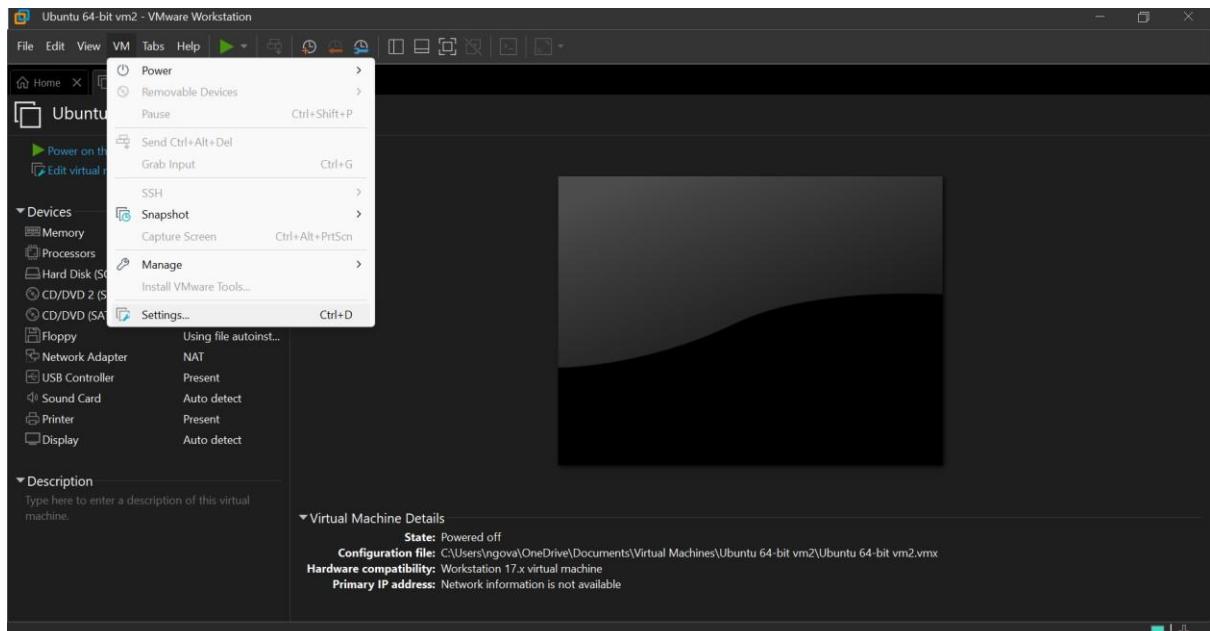
Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.

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[Cancel](#)



Add Hardware Wizard



Hardware Type

What type of hardware do you want to install?

Hardware types:

- Hard Disk
- CD/DVD Drive
- Floppy Drive
- Network Adapter
- USB Controller
- Sound Card
- Parallel Port
- Serial Port
- Printer
- Generic SCSI Device
- Trusted Platform Module

Explanation

Add a hard disk.

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Add Hardware Wizard



Select a Disk Type

What kind of disk do you want to create?

Virtual disk type

- IDE
- SCSI (Recommended)
- SATA
- NVMe

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Add Hardware 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.
Requires administrator privileges.

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Cancel

Add Hardware Wizard



Specify Disk Capacity

How large do you want this disk to be?

Maximum disk size (GB):

Recommended size for Ubuntu 64-bit: 20 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.

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.

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Add Hardware Wizard



Specify Disk File

Where would you like to store the disk file?

Disk file

A 20 GB virtual disk will be created using multiple disk files. The disk files will be automatically named based on this file name.

Ubuntu 64-bit vm2-0.vmdk

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Finish

Cancel

Ubuntu 64-bit vm2 - VMware Workstation

Virtual Machine Settings

File Edit View VM Tabs Help

Ubuntu 64-bit vm2

Power on this virtual machine Edit virtual machine settings

Devices

Memory	15.0 GB
Processors	1
Hard Disk (SCSI)	30 GB
CD/DVD 2 (SATA)	Using file C:\C\
CD/DVD (SATA)	Using file auto
Floppy	Using file auto
Network Adapter	NAT
USB Controller	Present
Sound Card	Auto detect
Printer	Present
Display	Auto detect

Description

Type here to enter a description of this virtual machine.

Hardware Options

Device Summary Memory

Processor 15.0 GB

Hard Disk (SCSI) 1 30 GB

CD/DVD 2 (SATA) Using file C:\C\

CD/DVD (SATA) Using file auto

Floppy Using file auto

Network Adapter NAT

USB Controller Present

Sound Card Auto detect

Printer Present

Display Auto detect

Add... Remove

OK Cancel Help

Specify Disk File

Where would you like to store the disk file?

Disk file

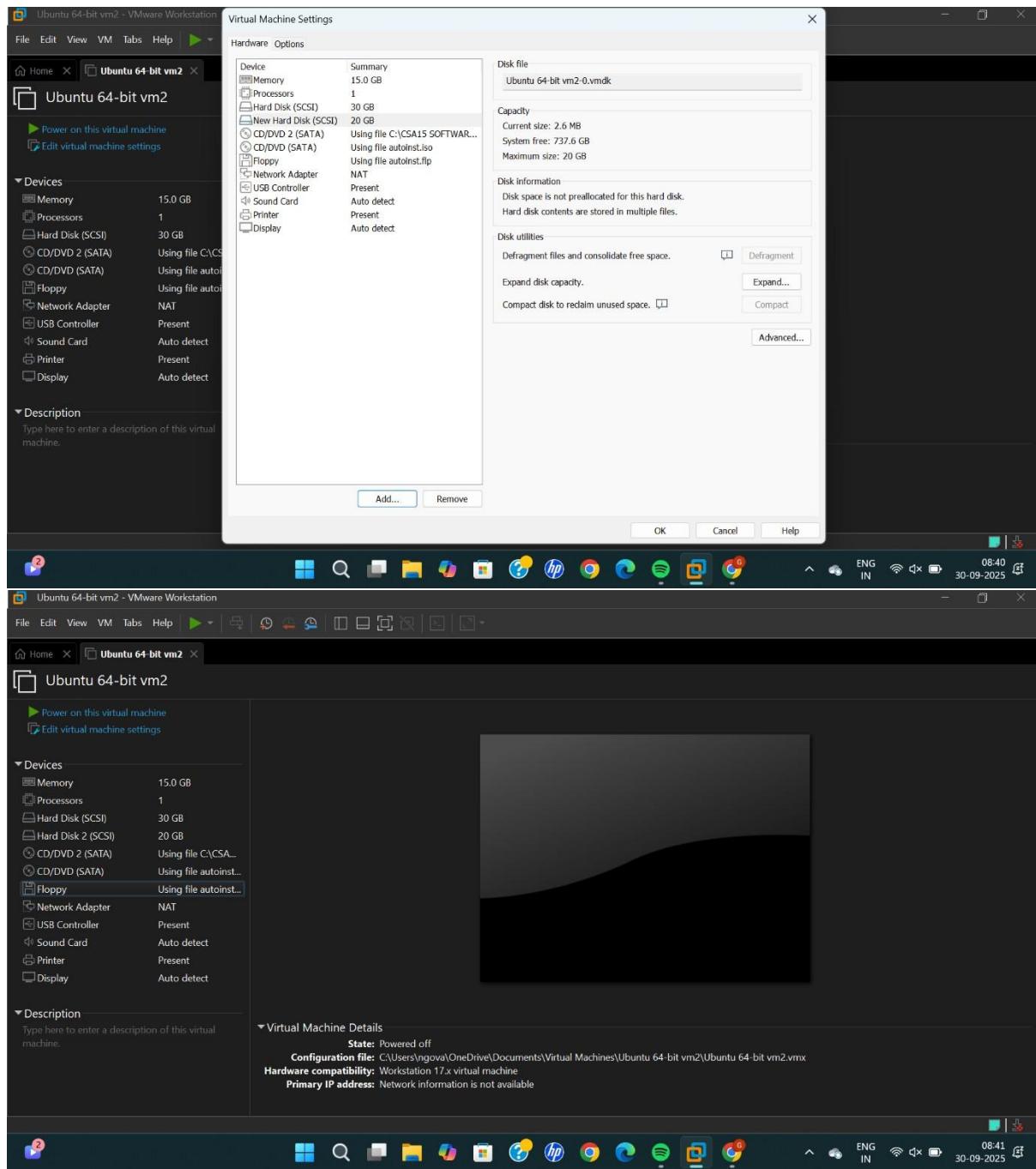
A 20 GB virtual disk will be created using multiple disk files. The disk files will be automatically named based on this file name.

Ubuntu 64-bit vm2-0.vmdk

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08:40 30-09-2025 ENG IN



RESULT:

Successfully created a virtual hard disk and allocate the storage using vm ware workstation.