EXP 14: CREATE AVIRTUAL HARD DISK AND ALLOCATE THE STORAGEUSING 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.

STEP2: RIGHT CLICK THE VM AND GOTO THE SETTINGS.

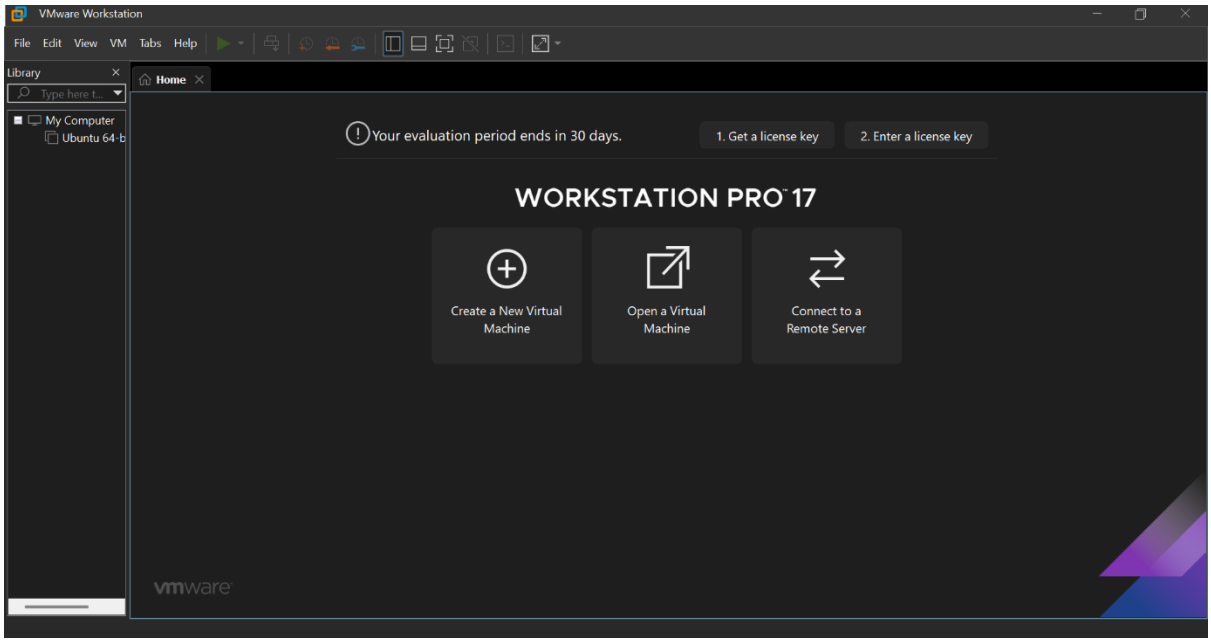
STEP 3: ADD HARDWARE WIZARD AND SELECT SCSI AND CLICK NEXT.

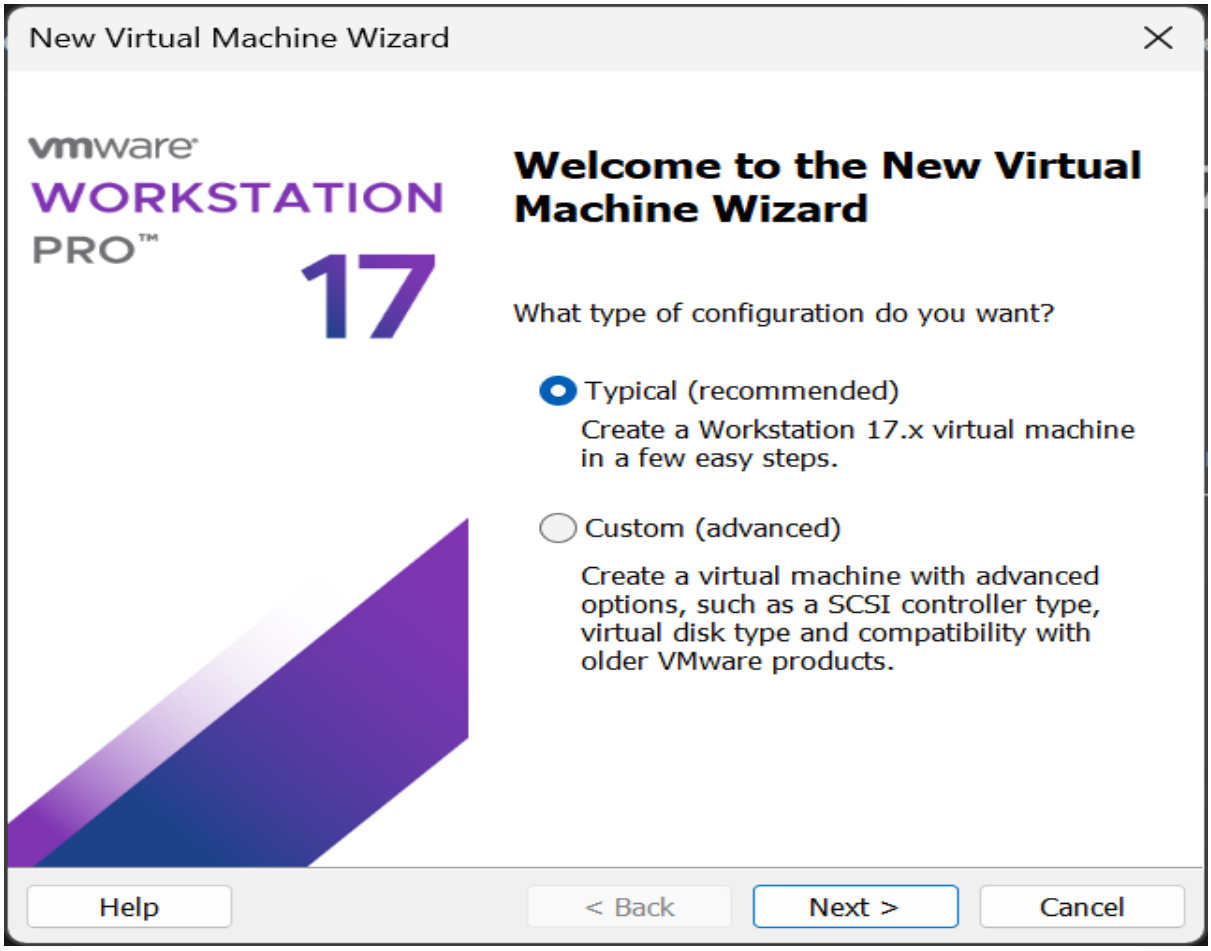
STEP 4: CREATE NEW VIRTUAL DISK.

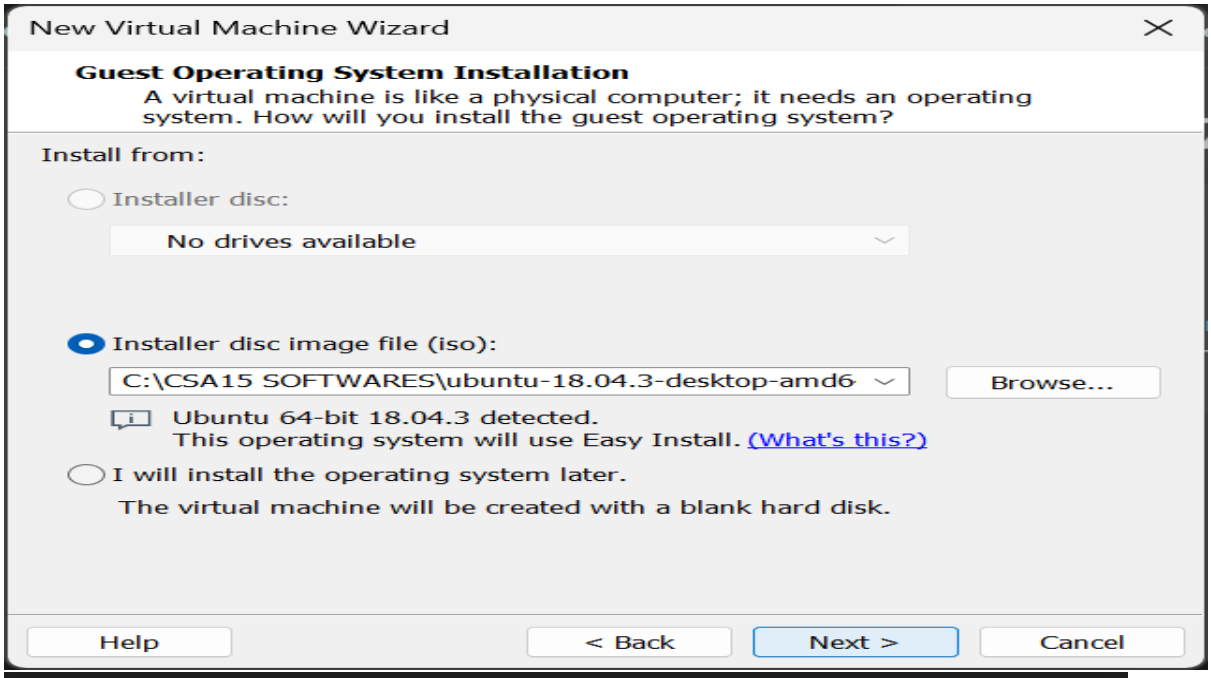
STEP 5: SELCT THE DISK SIZE AS 2.0. AND SELCT SPLIT VIRTUAL DISK INTOMULTIFILES.

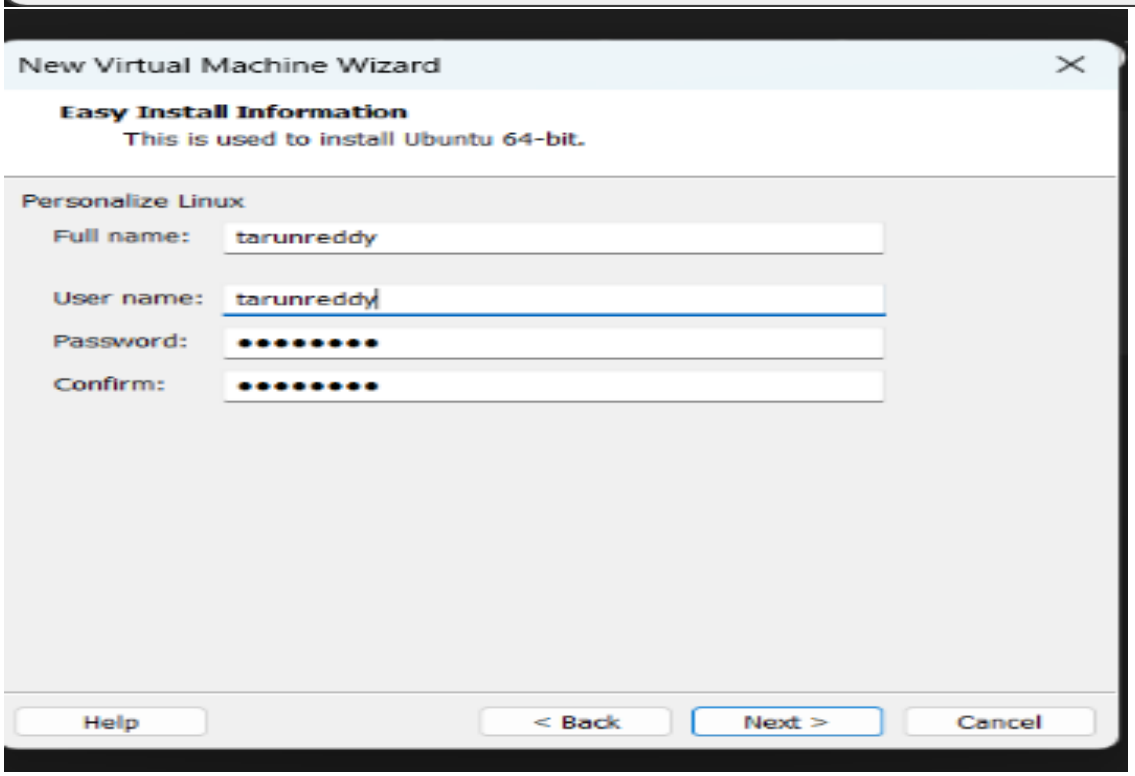
STEP 6: GIVE NAME AND CLICK THE FINISH.

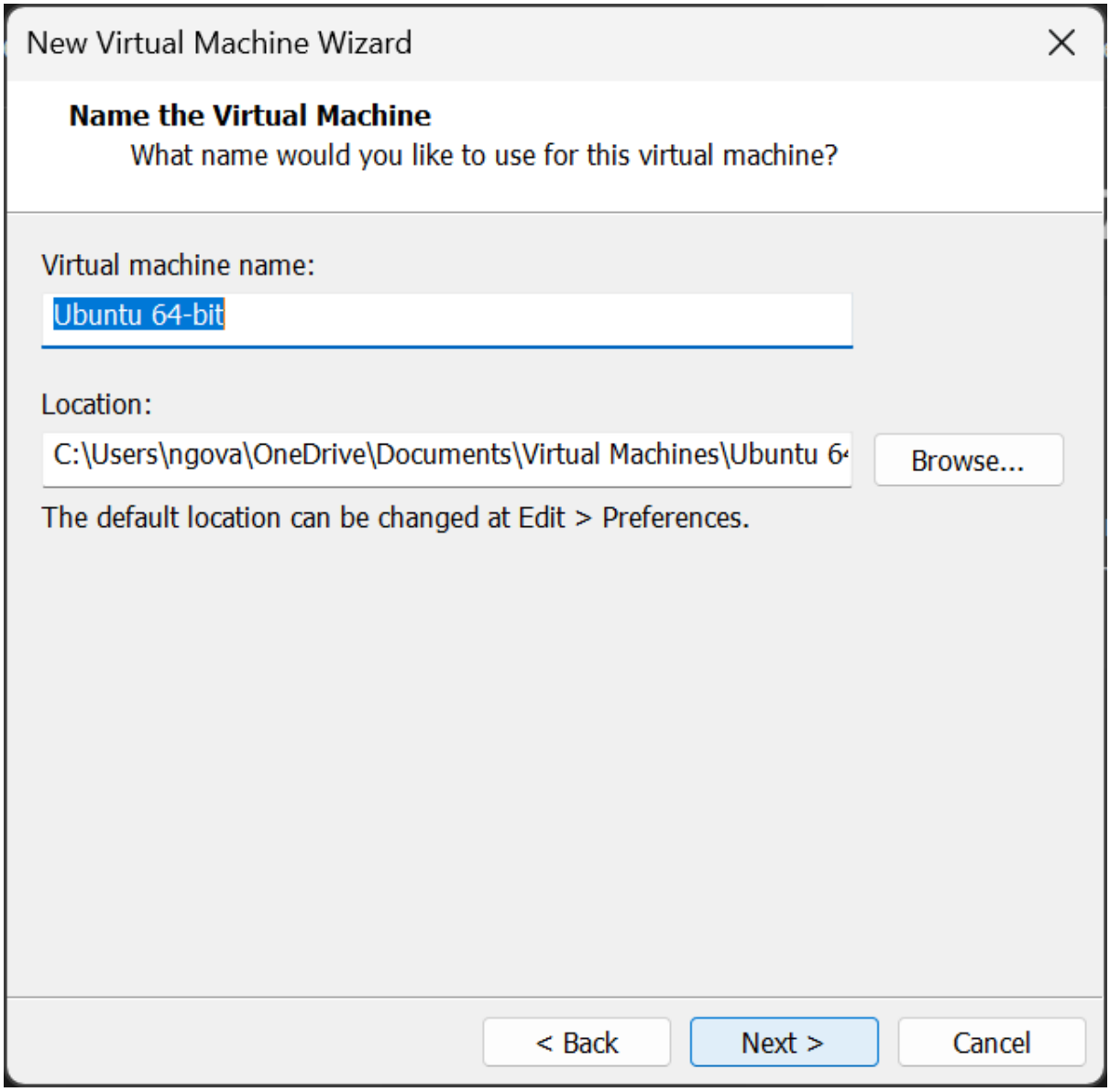
DESIGN:

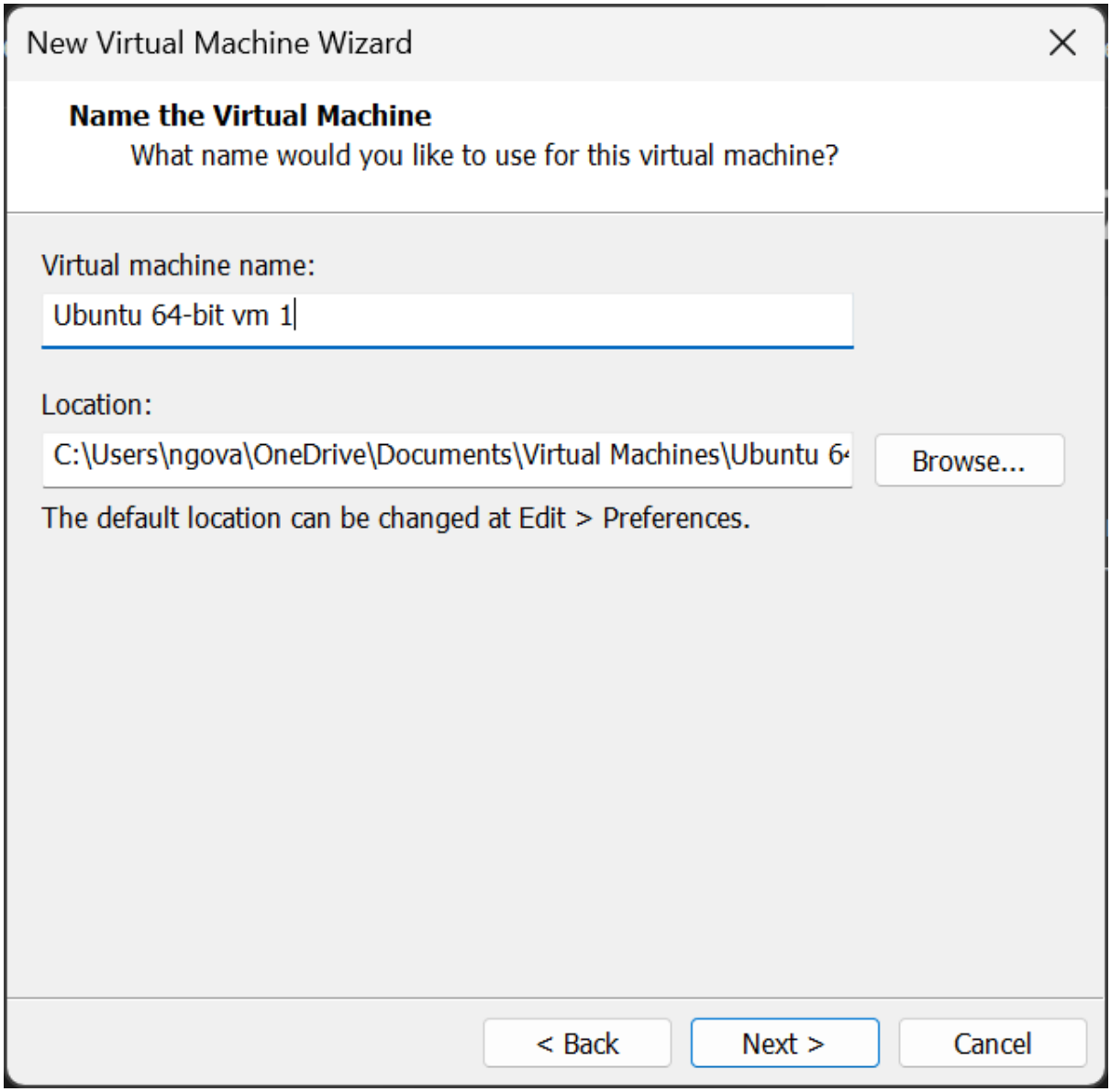


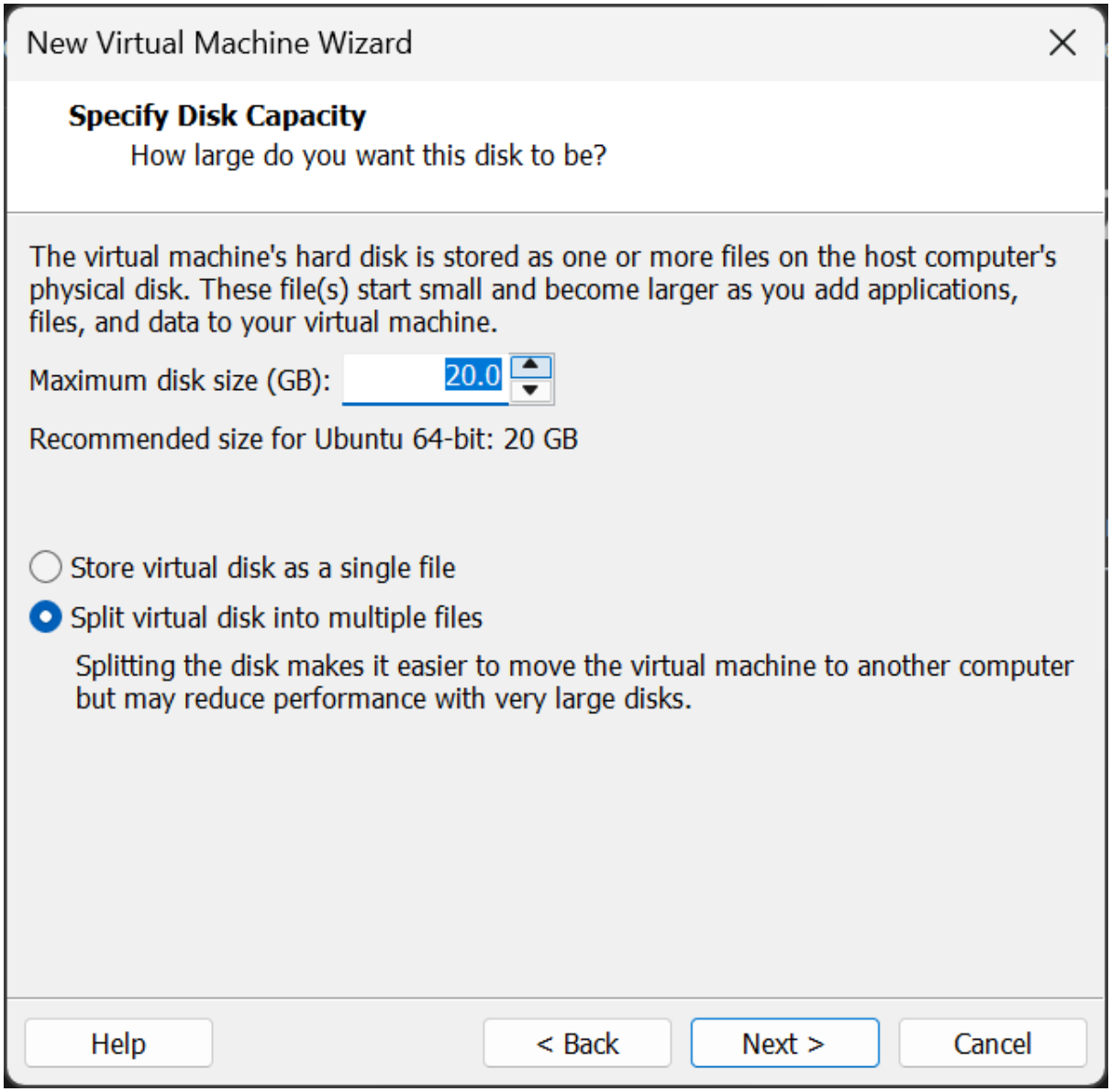

New Virtual Machine Wizard
vmware
WORKSTATION
PRO™
17
Welcome to the New Virtual Machine Wizard
What type of configuration do you want?
Typical (recommended)
Create a Workstation 17.x virtual machine in a few easy steps.
Custom (advanced)
Create a virtual machine with advanced options, such as a SCSI controller type, virtual disk type and compatibility with older VMware products.
Help
< Back
Next >
Cancel

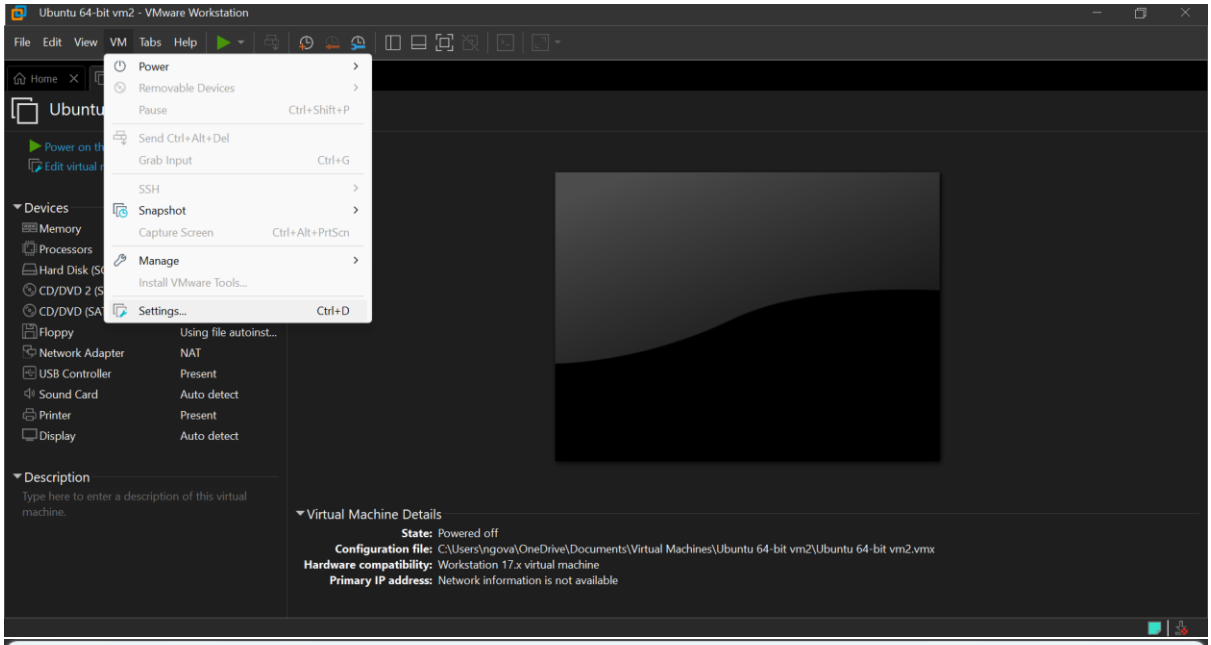

New Virtual Machine Wizard
Guest Operating System Installation
A virtual machine is like a physical computer; it needs an operating system. How will you install the guest operating system?
Install from:
Installer disc:
No drives available
Installer disc image file (iso):
C:\CSA15 SOFTWARES\ubuntu-18.04.3-desktop-amd6
Browse...
Ubuntu 64-bit 18.04.3 detected.
This operating system will use Easy Install. (What's this?)
I will install the operating system later.
The virtual machine will be created with a blank hard disk.
Help
< Back
Next >
Cancel

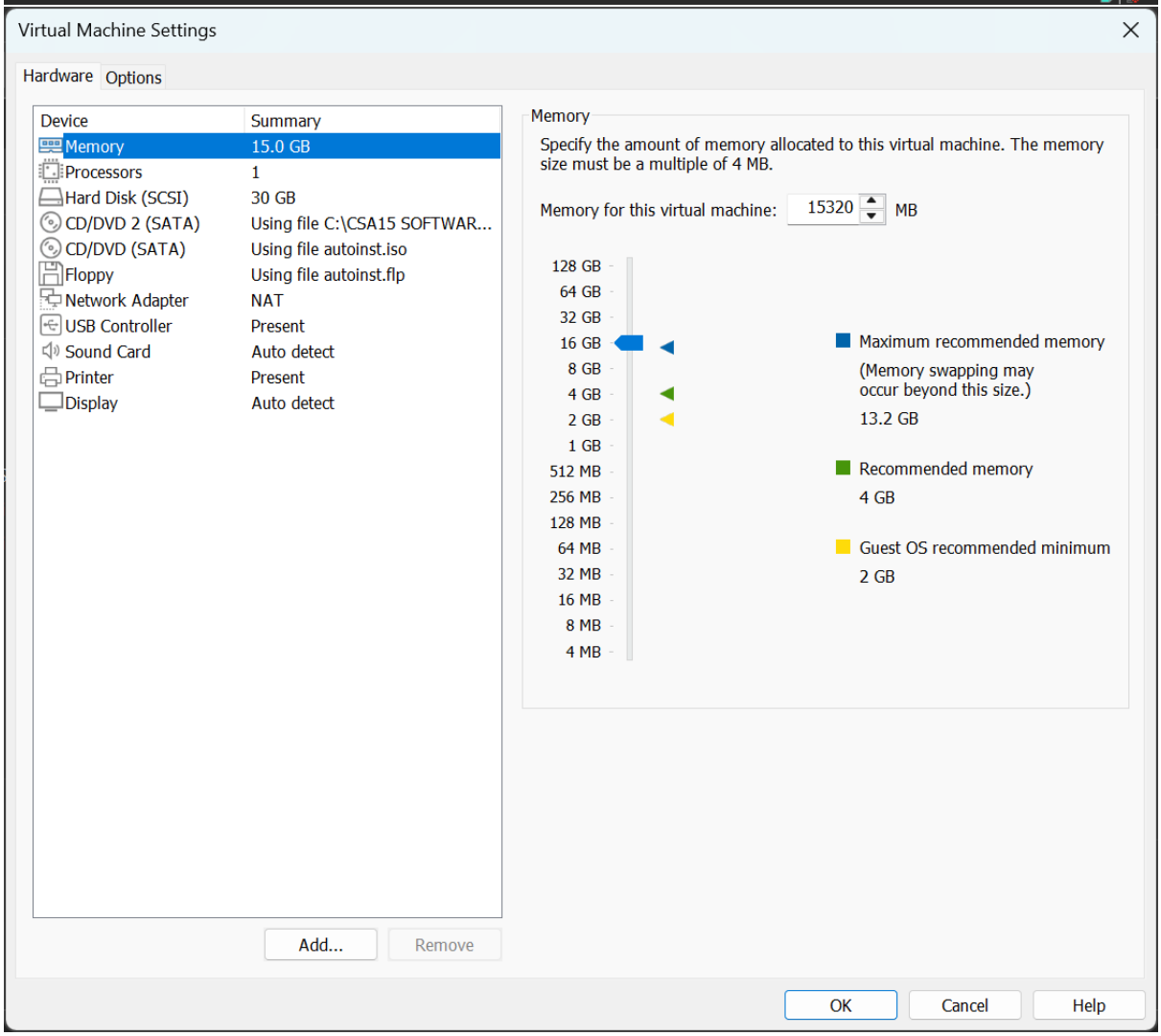

New Virtual Machine Wizard
Easy Install Information
This is used to install Ubuntu 64-bit.
Personalize Linux
Full name: tarunreddy
User name: tarunreddy
Password:
Confirm:
Help
< Back
Next >
Cancel

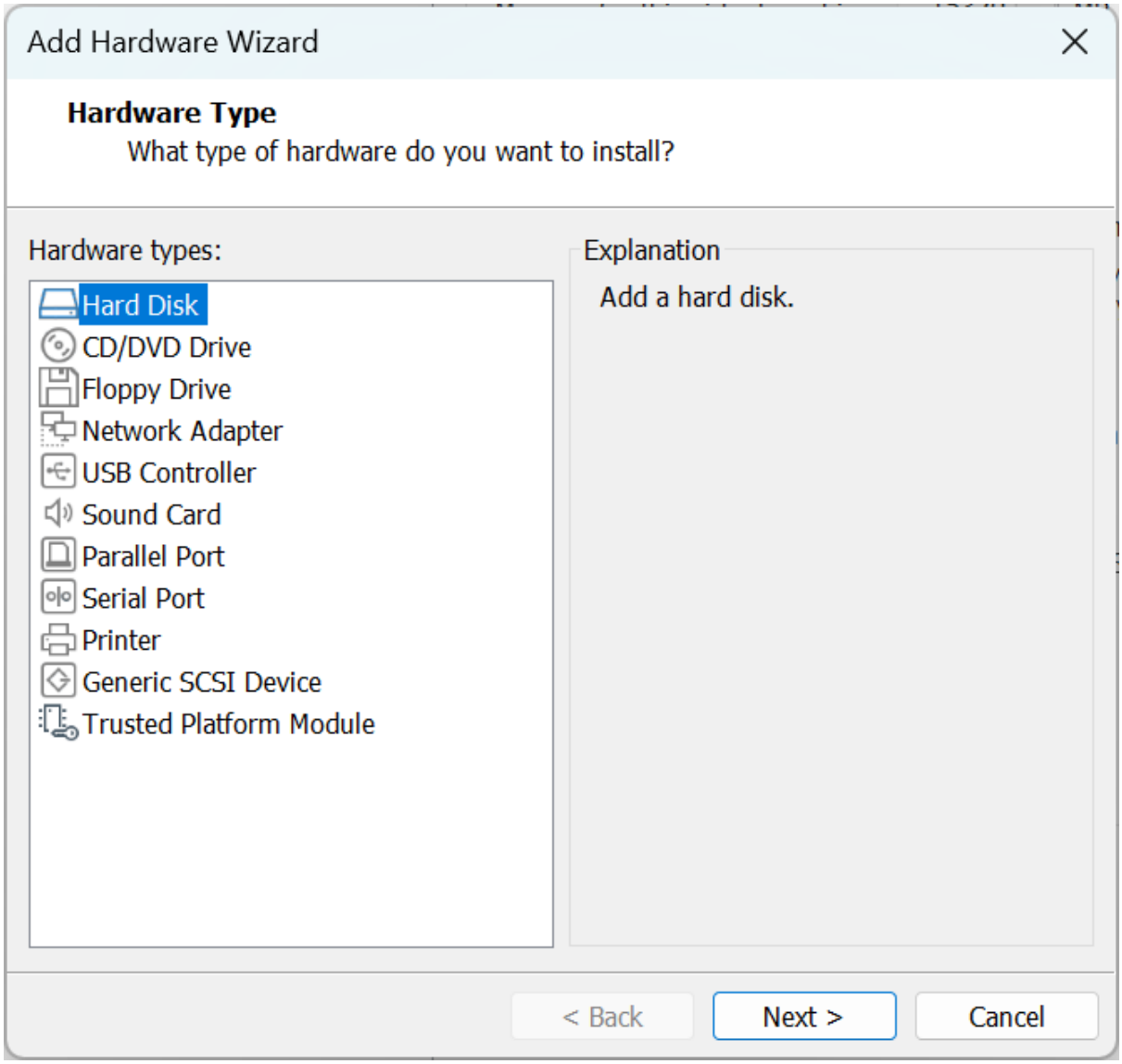

New Virtual Machine Wizard
Name the Virtual Machine
What name would you like to use for this virtual machine?
Virtual machine name:
Ubuntu 64-bit
Location:
C:\Users\ngova\OneDrive\Documents\Virtual Machines\Ubuntu 6
Browse...
The default location can be changed at Edit > Preferences.
< Back
Next >
Cancel

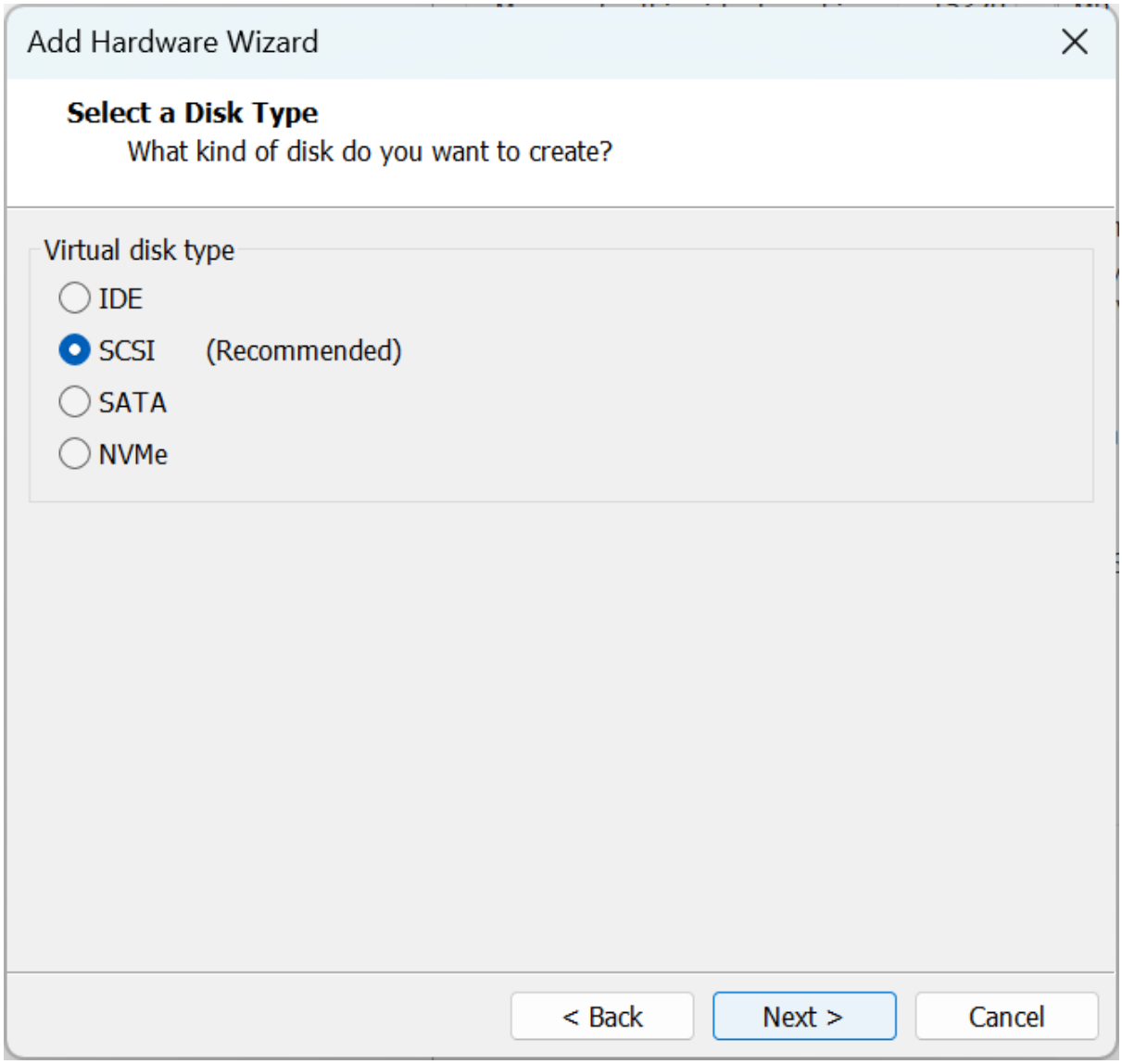

New Virtual Machine Wizard
Name the Virtual Machine
What name would you like to use for this virtual machine?
Virtual machine name:
Ubuntu 64-bit vm 1
Location:
C:\Users\ngova\OneDrive\Documents\Virtual Machines\Ubuntu 6
Browse...
The default location can be changed at Edit > Preferences.
< Back
Next >
Cancel

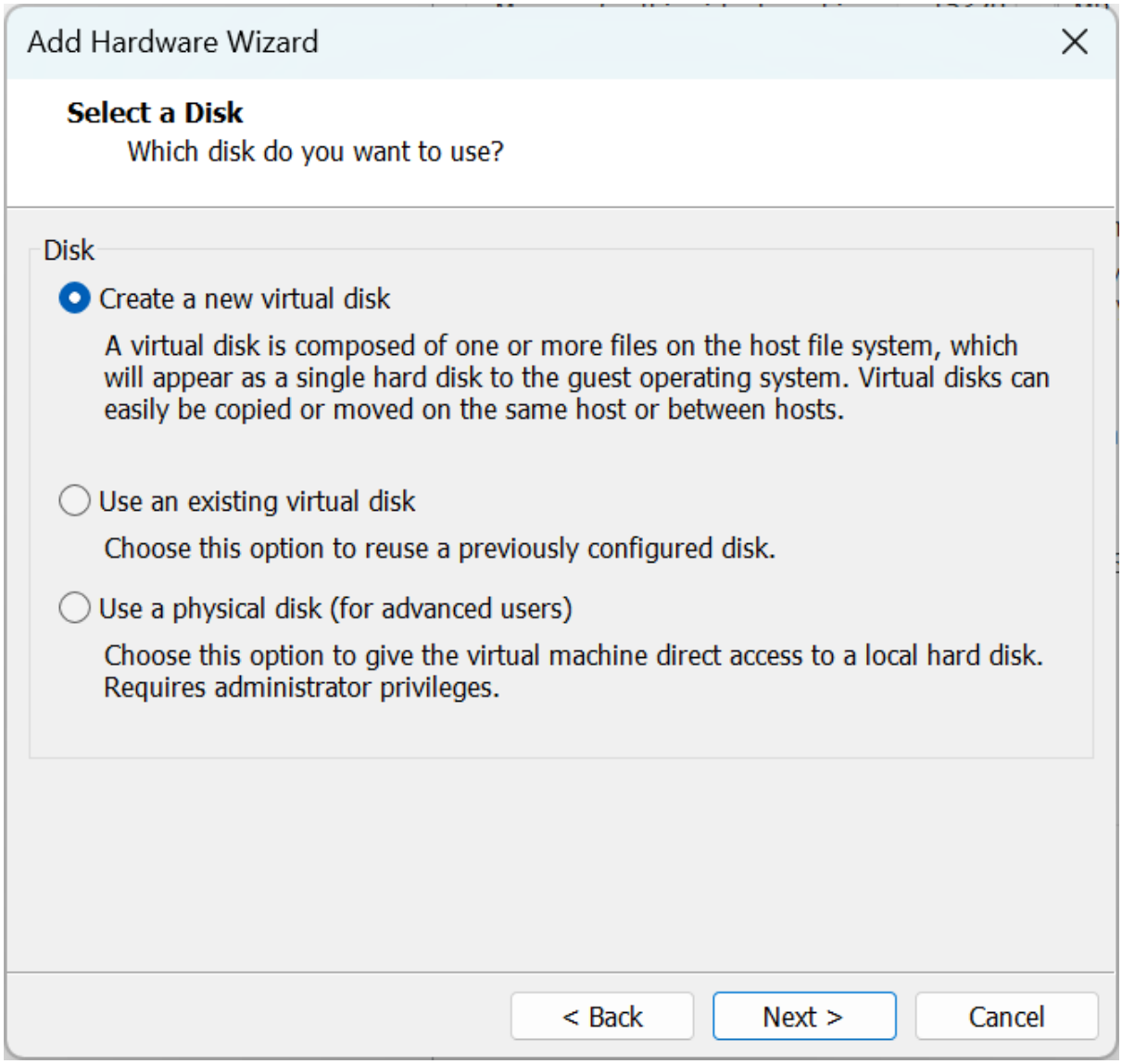

New Virtual Machine Wizard
Specify Disk Capacity
How large do you want this disk to be?
The virtual machine's hard disk is stored as one or more files on the host computer's physical disk. These file(s) start small and become larger as you add applications, files, and data to your virtual machine.
Maximum disk size (GB):
20.0
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.
Help
< Back
Next >
Cancel

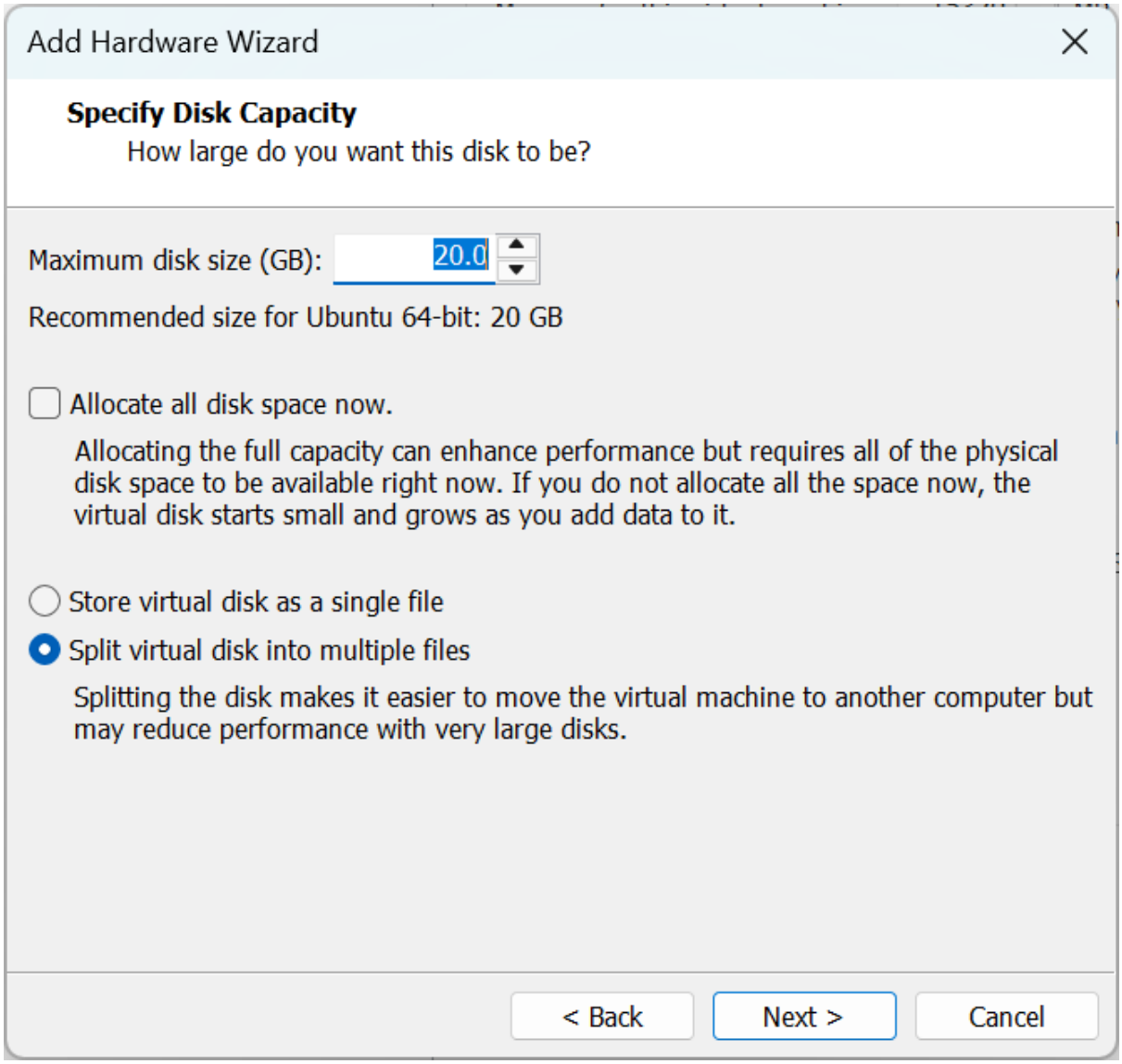

Ubuntu 64-bit vm2 - VMware Workstation
File Edit View VM Tabs Help
Power
Removable Devices
Pause Ctrl+Shift+P
Send Ctrl+Alt+Del
Grab Input Ctrl+G
SSH
Snapshot
Capture Screen Ctrl+Alt+PrtScn
Manage
Install VMware Tools...
Settings... Ctrl+D
Devices
Memory
Processors
Hard Disk (SCSI)
CD/DVD 2 (SATA)
CD/DVD (SATA)
Floppy Using file autoinst...
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.
Virtual Machine Details
State: Powered off
Configuration file: C:\Users\ngova\OneDrive\Documents\Virtual Machines\Ubuntu 64-bit vm2\Ubuntu 64-bit vm2.vmx
Hardware compatibility: Workstation 17.x virtual machine
Primary IP address: Network information is not available

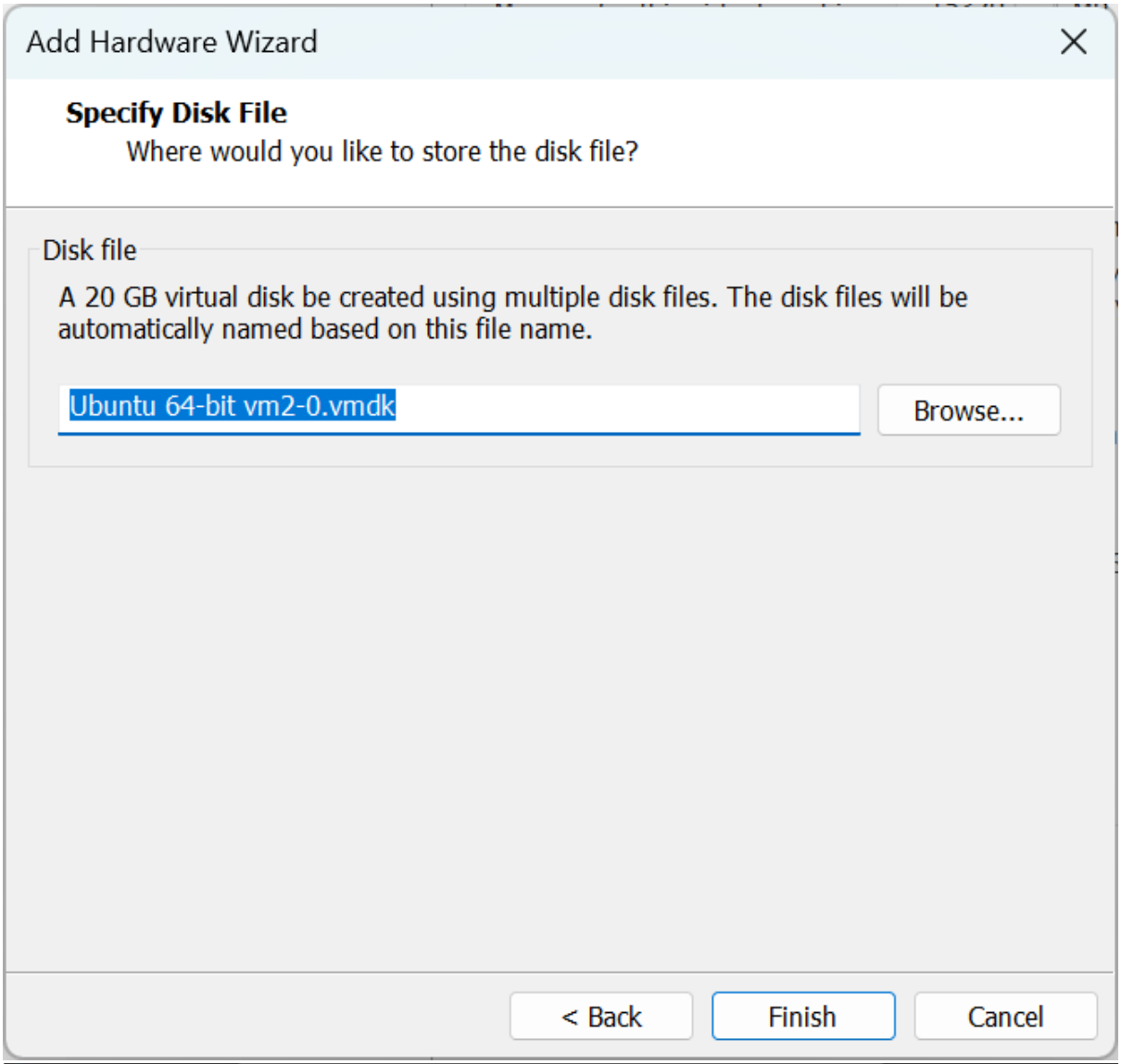

Virtual Machine Settings
Hardware
Options
Device
Summary
Memory 15.0 GB
Processors 1
Hard Disk (SCSI) 30 GB
CD/DVD 2 (SATA) Using file C:\CSA15 SOFTWAR...
CD/DVD (SATA) Using file autoinst.iso
Floppy Using file autoinst.flp
Network Adapter NAT
USB Controller Present
Sound Card Auto detect
Printer Present
Display Auto detect
Add...
Remove
Memory
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: 15320 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
(Memory swapping may occur beyond this size.)
13.2 GB
Recommended memory
4 GB
Guest OS recommended minimum
2 GB
OK
Cancel
Help

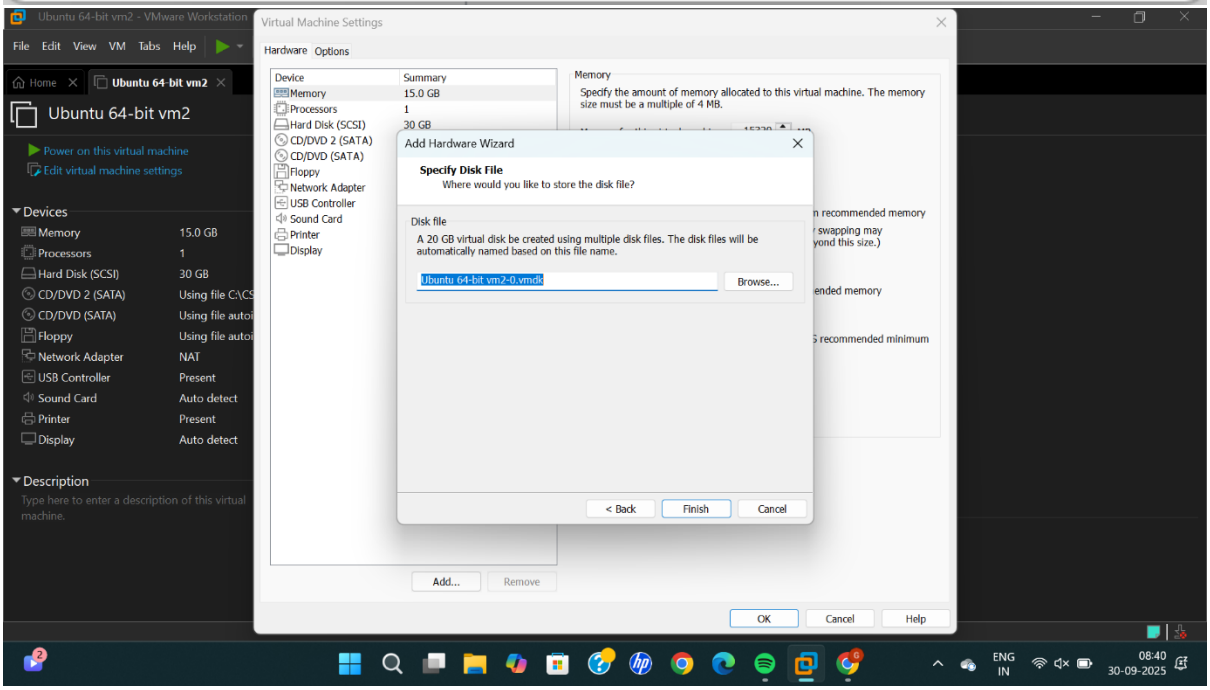

Add Hardware Wizard
Hardware Type
What type of hardware do you want to install?
Hardware types:
Hard Disk
CD/DVD Drive
Floppy Drive
Network Adapter
USB Controller
Sound Card
Parallel Port
Serial Port
Printer
Generic SCSI Device
Trusted Platform Module
Explanation
Add a hard disk.
< Back
Next >
Cancel


Add Hardware Wizard
Select a Disk Type
What kind of disk do you want to create?
Virtual disk type
IDE
SCSI (Recommended)
SATA
NVMe
< Back
Next >
Cancel


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.
< Back
Next >
Cancel


Add Hardware Wizard
Specify Disk Capacity
How large do you want this disk to be?
Maximum disk size (GB):
20.0
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.
< Back
Next >
Cancel


Add Hardware Wizard
Specify Disk File
Where would you like to store the disk file?
Disk file
A 20 GB virtual disk be created using multiple disk files. The disk files will be automatically named based on this file name.
Ubuntu 64-bit vm2-0.vmdk
Browse...
< Back
Finish
Cancel


Ubuntu 64-bit vm2 - VMware Workstation
File Edit View VM Tabs Help
Home
Ubuntu 64-bit vm2
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:\CS
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.
Virtual Machine Settings
Hardware Options
Device Summary
Memory 15.0 GB
Processors 1
Hard Disk (SCSI) 30 GB
CD/DVD 2 (SATA)
CD/DVD (SATA)
Floppy
Network Adapter
USB Controller
Sound Card
Printer
Display
Memory
Specify the amount of memory allocated to this virtual machine. The memory size must be a multiple of 4 MB.
Add Hardware Wizard
Specify Disk File
Where would you like to store the disk file?
Disk file
A 20 GB virtual disk be created using multiple disk files. The disk files will be automatically named based on this file name.
Ubuntu 64-bit vm2-0.vmdk
Browse...
< Back
Finish
Cancel
Add...
Remove
OK
Cancel
Help
ENG IN
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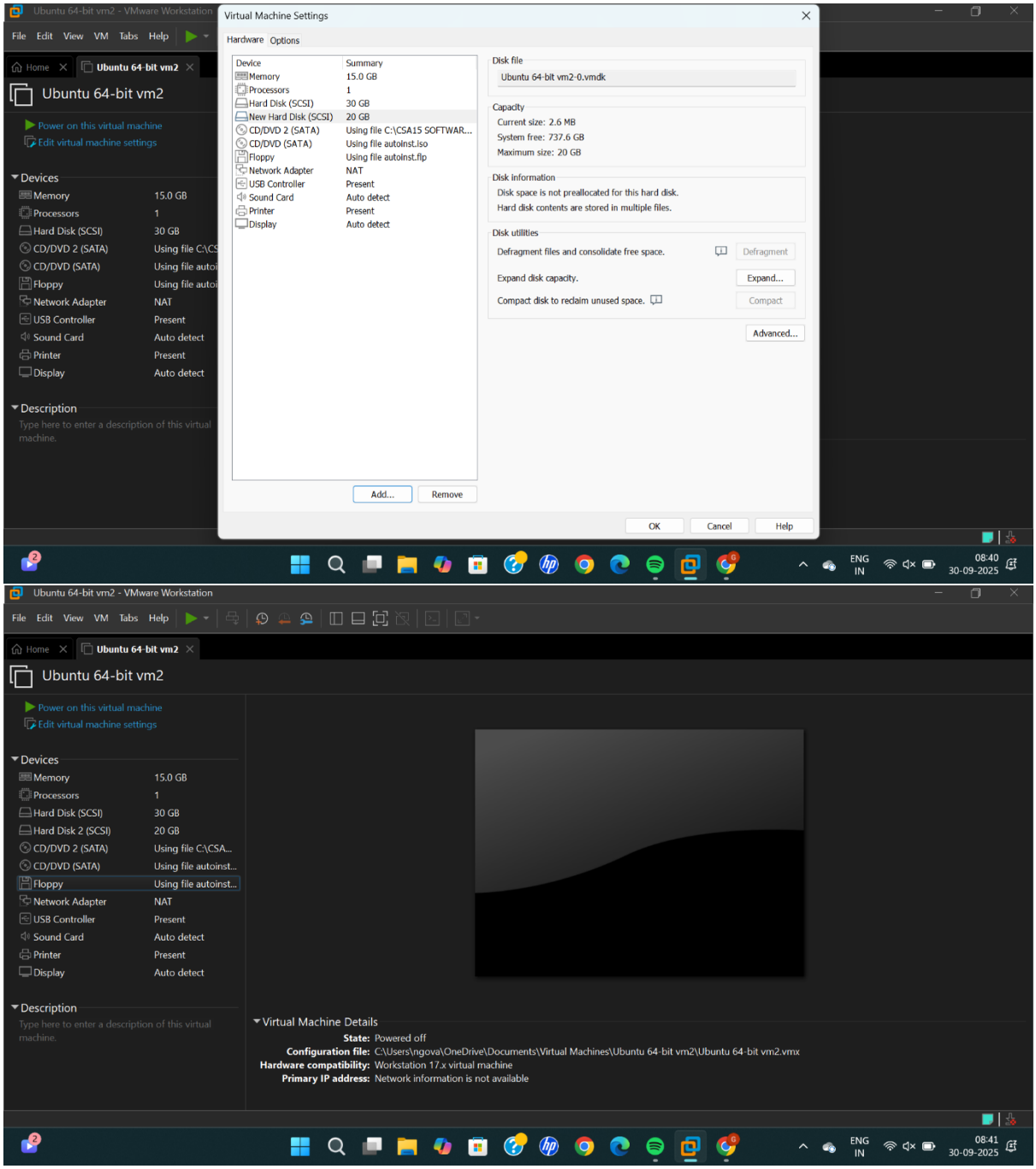

RESULT:

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