

DATE; 21.08.2025

EXPERIMENT – 15 Create a Snapshot of a VM and Test it by loading the Previous Version/Cloned VM using Vmware workstation.

Aim:

To create a snapshot of a virtual machine and test it by reverting to the previous state/cloned VM using VMware Workstation.

Procedure:

1. Open VMware Workstation and power on the desired virtual machine.
2. Configure and run the VM until it reaches the state you want to save.
3. From the menu bar, go to VM → Snapshot → Take Snapshot.
4. Enter a name and description (e.g., “Before software installation”).
5. Click Take Snapshot to save the current state of the VM.
6. Make some changes inside the VM (e.g., install/uninstall software, edit files).
7. To test, go to VM → Snapshot → Revert to Snapshot.
8. The VM will reload the previous saved version, discarding the recent changes.
9. Alternatively, you can use Snapshot Manager to manage, restore, or clone snapshots.
10. Verify that the system successfully returns to the saved state.

Output:



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):

Browse...

☒ I will install the operating system later.

The virtual machine will be created with a blank hard disk.

Help

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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

Ubuntu

Help

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Cancel

New Virtual Machine Wizard

Name the Virtual Machine

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

Virtual machine name:

Ubuntu

Location:

C:\Users\RACHITHA\Documents\Virtual Machines\Ubuntu

Browse...

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):

20.0

Recommended size for Ubuntu: 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

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Cancel

New Virtual Machine Wizard

Ready to Create Virtual Machine

Click Finish to create the virtual machine. Then you can install Ubuntu.

The virtual machine will be created with the following settings:

Name:Ubuntu

Location:C:\Users\RACHITHA\Documents\Virtual Machines\Ubuntu

Version:Workstation 16.x

Operating System:Ubuntu

Hard Disk:20 GB, Split

Memory:4096 MB

Network Adapter:NAT

Other Devices:2 CPU cores, CD/DVD, USB Controller, Printer, Sound C...

Customize Hardware...

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Finish

Cancel

library

Type here to search

My Computer

Ubuntu Vm

virtual mad

virtual mad

Ubuntu

Shared VMs (D

Home

Ubuntu Vmware

virtual machine 1234

virtual machine 12

Ubuntu

Ubuntu

Power on this virtual machine

Edit virtual machine settings

Devices

Memory4 GB

Processors2

Hard Disk (SCSI)20 GB

CD/DVD (SATA)Auto detect

Network AdapterNAT

USB ControllerPresent

Sound CardAuto detect

PrinterPresent

DisplayAuto detect

Description

Type here to enter a description of this virtual machine.

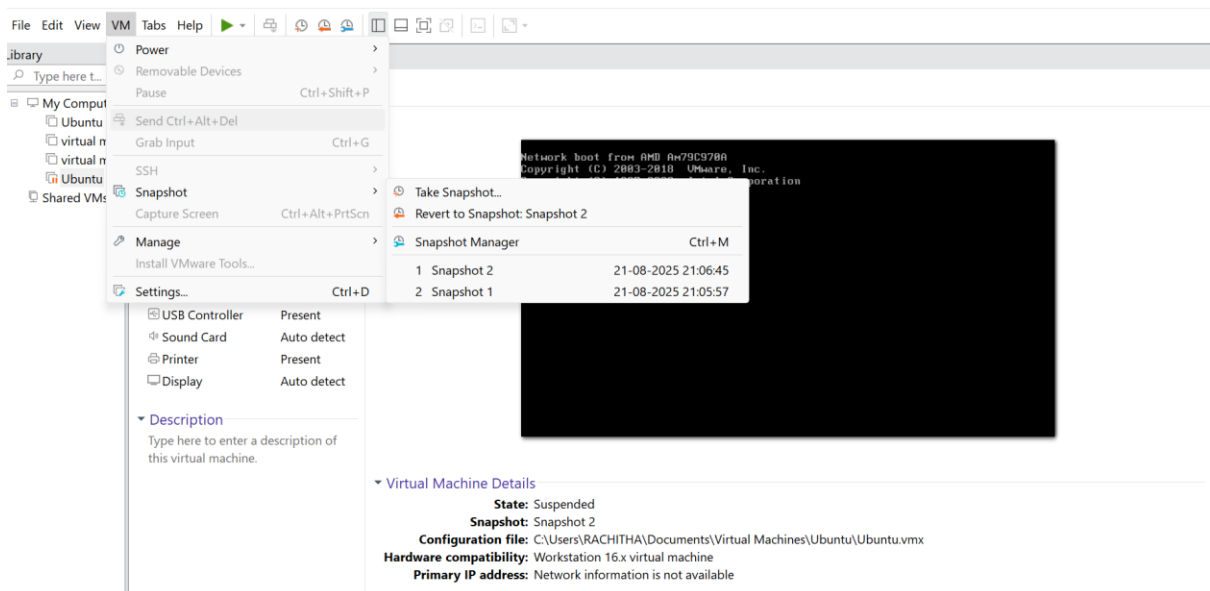
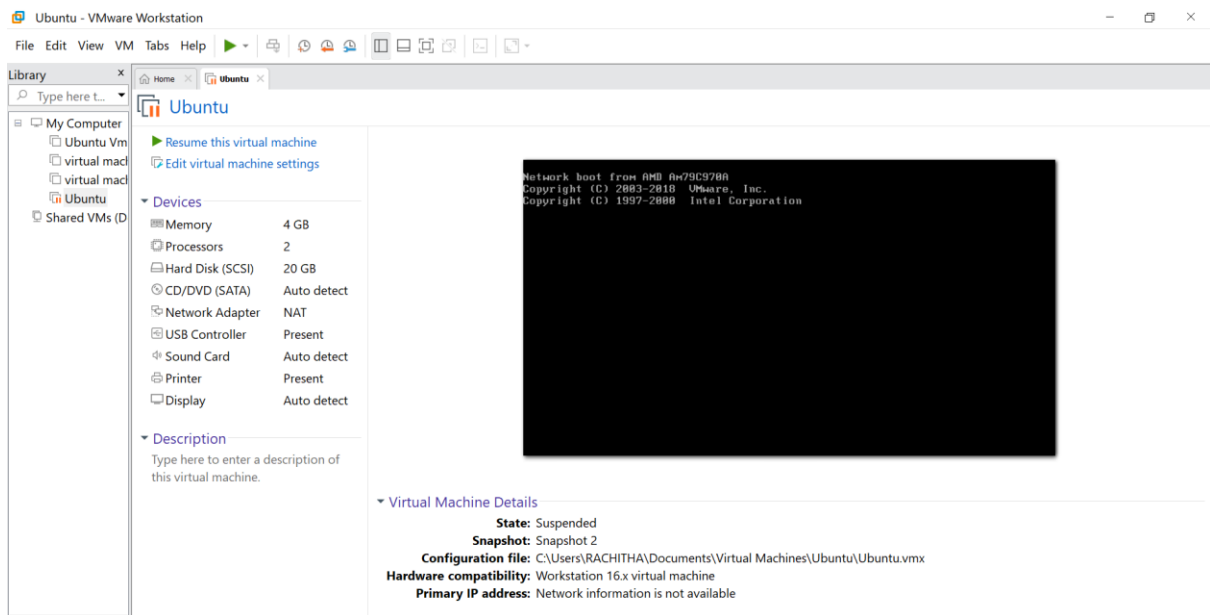
Virtual Machine Details

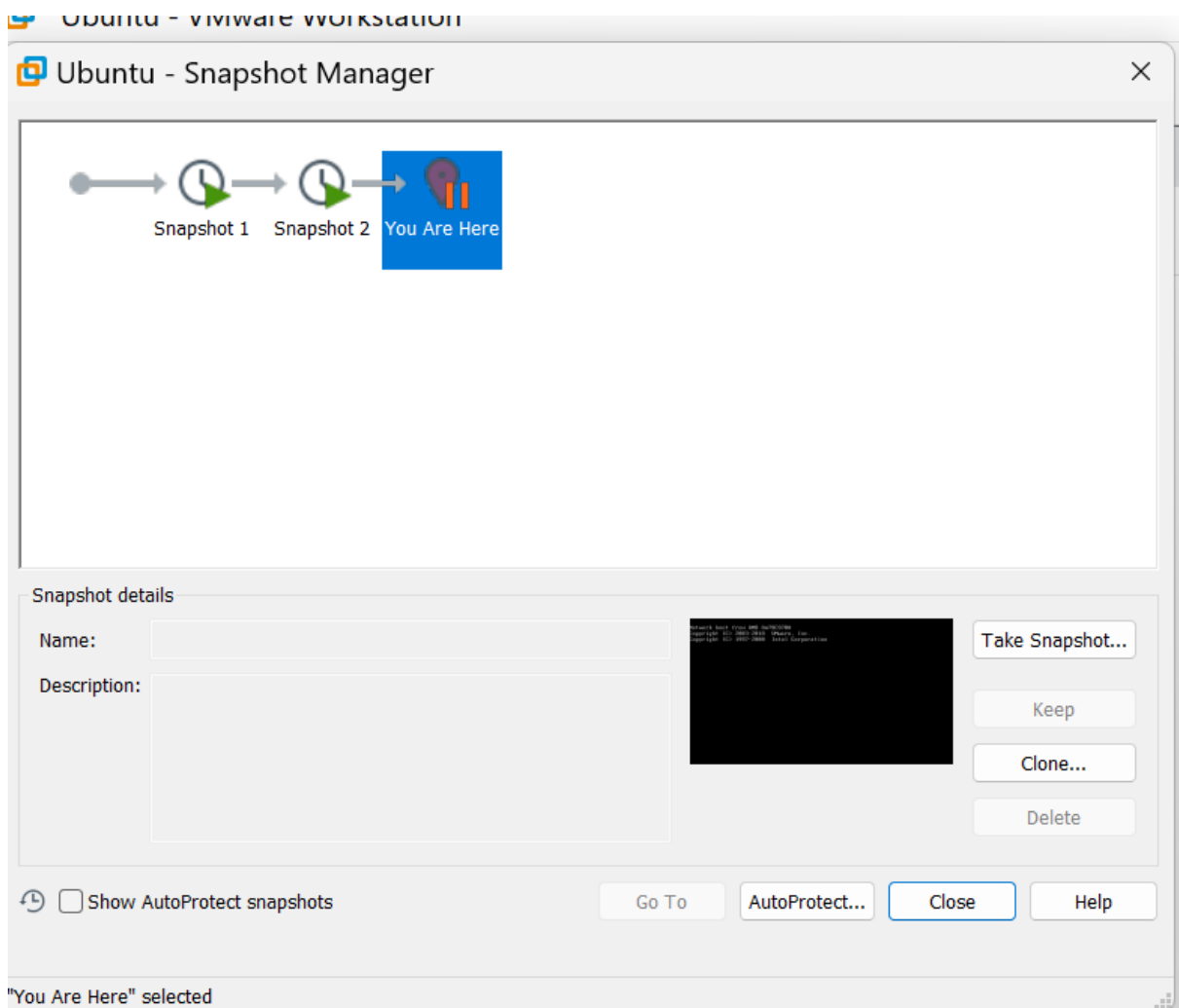
State:Powered off

Configuration file:C:\Users\RACHITHA\Documents\Virtual Machines\Ubuntu\Ubuntu.vmx

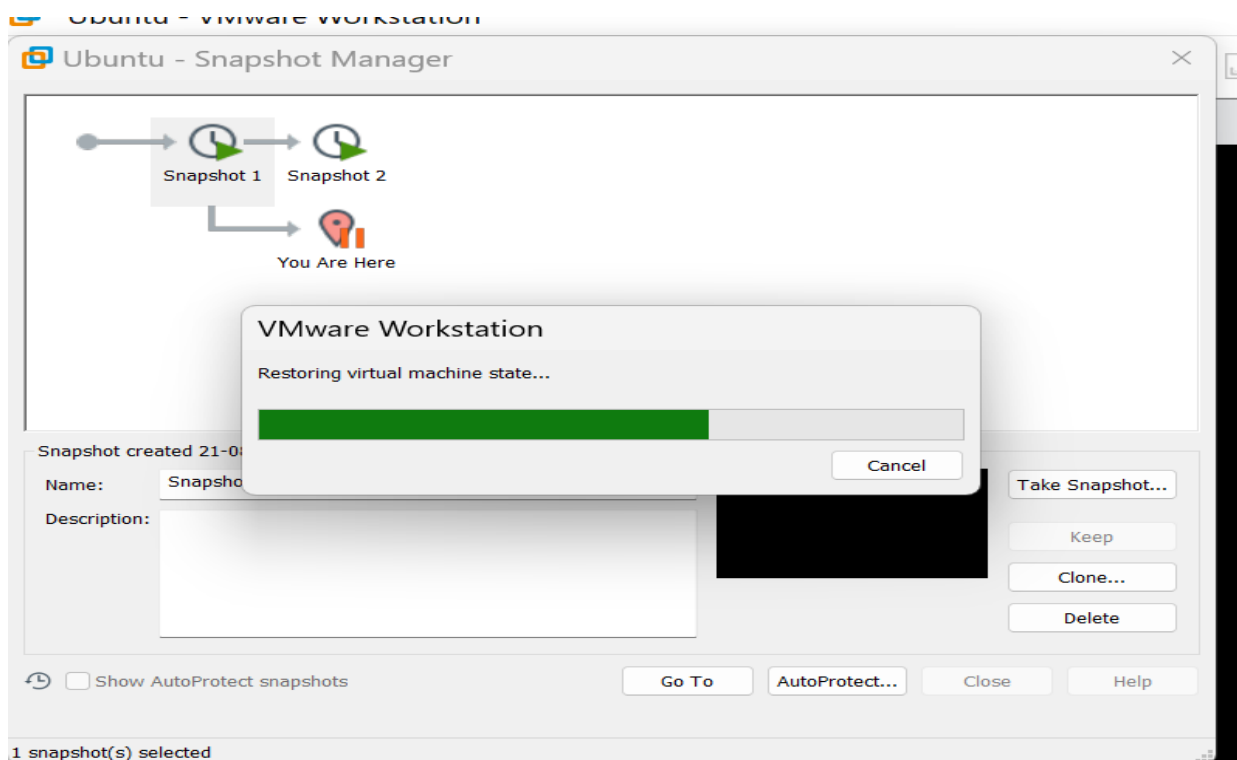
Hardware compatibility:Workstation 16.x virtual machine

Primary IP address:Network information is not available

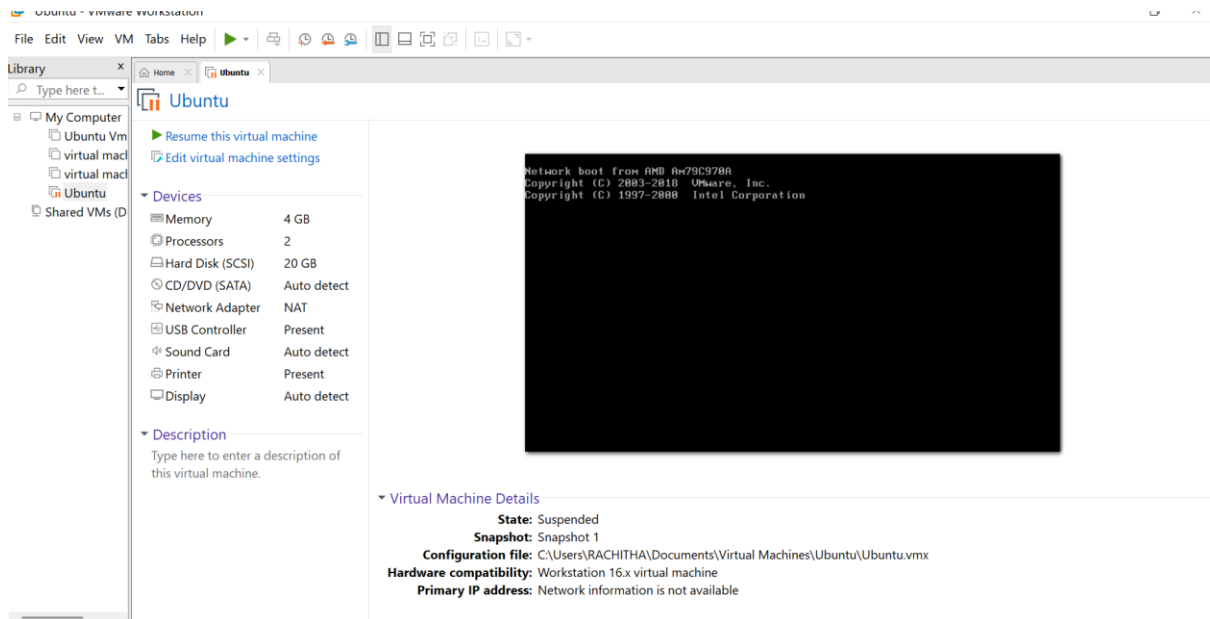




"You Are Here" selected



1 snapshot(s) selected



Result:

A snapshot of the VM was successfully created and tested by reverting to the previous version using VMware Workstation. The VM restored its earlier state, demonstrating snapshot and cloning functionality.