

CSA1523- CLOUD COMPUTING AND BIG DATA ANALYTICS FOR HEALTHCARE INDUSTRIES

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EXP 8: Create a Virtual Machine with 1 CPU, 2GB RAM and 15GB storage disk using a Type 2 Virtualization Software.

AIM:

To create a virtual machine with 1 cpu, 2gb ram and 15gb storage disk using a type 2 virtualization software.

PROCEDURE:

STEP 1: Download VMware Workstation, Complete the installation and launch VMware Workstation.

STEP 2: Open VMware Workstation and Click Create a New Virtual Machine.

STEP 3: Choose "Typical (recommended)" and click Next. Select "I will install the operating system later", then click Next.

STEP 4: Choose Linux (for Ubuntu), For Ubuntu: Choose Ubuntu 64-bit. Click Next. Then name the virtual machine and again click next.

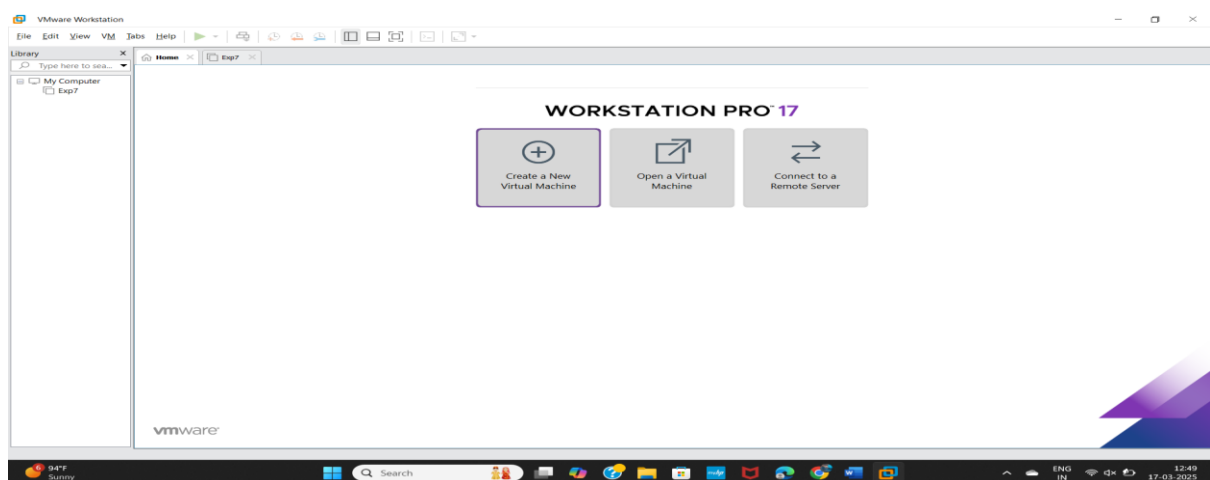
STEP 5: Allocate Memory: CPU: Set it to 1 Processor, 1 Core, Memory: Set it to 2048 MB (2GB RAM), Click Next.

STEP 6: Choose "Create a new virtual disk", then click Next. Set the disk size to 15GB. Select "Store virtual disk as a single file", then click Next.

STEP 7: Select "Use Network Address Translation (NAT)" for internet access. Click Next.

STEP 8: Click "Finish" to create the VM. Now, insert the OS installation ISO and start the VM.

IMPLEMENTATION:



WORKSTATION PRO™ 17

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 17.5 or later 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



Connect to a Remote Server

WORKSTATION PRO™ 17

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:
DVD Drive (D:) CDRROM

☐ Installer disc image file (iso):
C:\Users\balas\Desktop\Downloads\mini.iso Browse...

☒ I will install the operating system later.
The virtual machine will be created with a blank hard disk.

Help < Back Next > Cancel



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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 64-bit

Help < Back Next > Cancel

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New Virtual Machine Wizard

Name the Virtual Machine
What name would you like to use for this virtual machine?

Virtual machine name:

Exp8

Location:

C:\VMs

Browse...

The default location can be changed at Edit > Preferences.

< Back Next > Cancel

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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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Hardware

Device	Summary
Memory	2 GB
Processors	1
New CD/DVD (SATA)	Auto detect
Network Adapter	NAT
USB Controller	Present
Sound Card	Auto detect
Display	Auto detect

Processors

Number of processors:

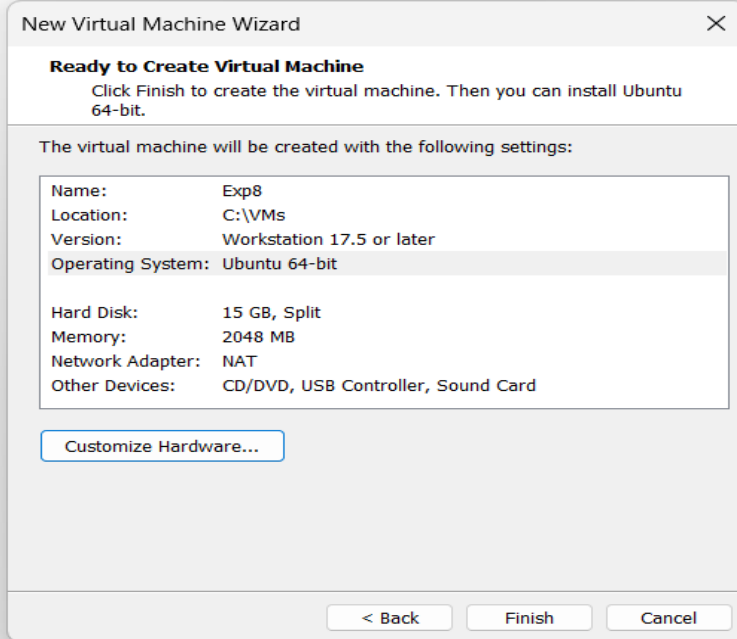
Number of cores per processor:

Total processor cores: 1

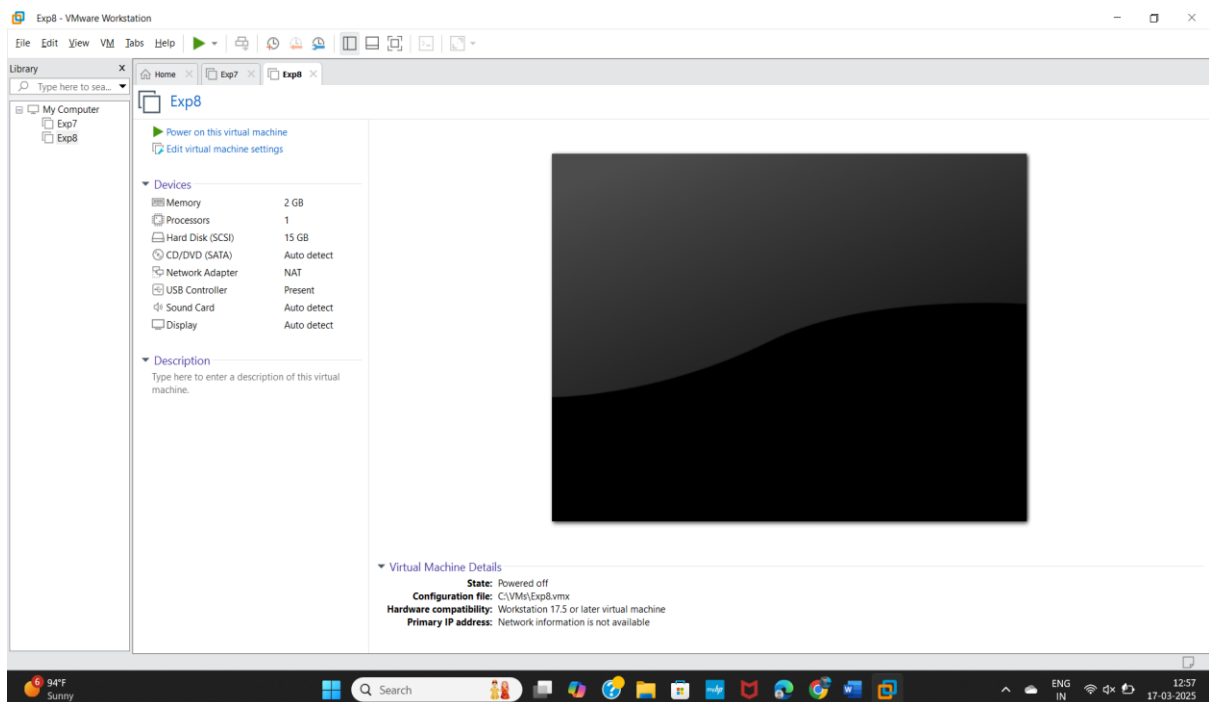
Virtualization engine

☐ Virtualize Intel VT-x/EPT or AMD-V/RVI
☐ Virtualize CPU performance counters
☐ Virtualize IOMMU (IO memory management unit)

WORKSTATION PRO 17



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RESULT:

Virtual Machine with 1 CPU, 2GB RAM and 15GB storage disk using a Type 2 Virtualization Software has been created successfully.