EXPNO 2:

DATE:09-02-2023

CREATE A VIRTUAL MACHINE WITH 1 VCPU, 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
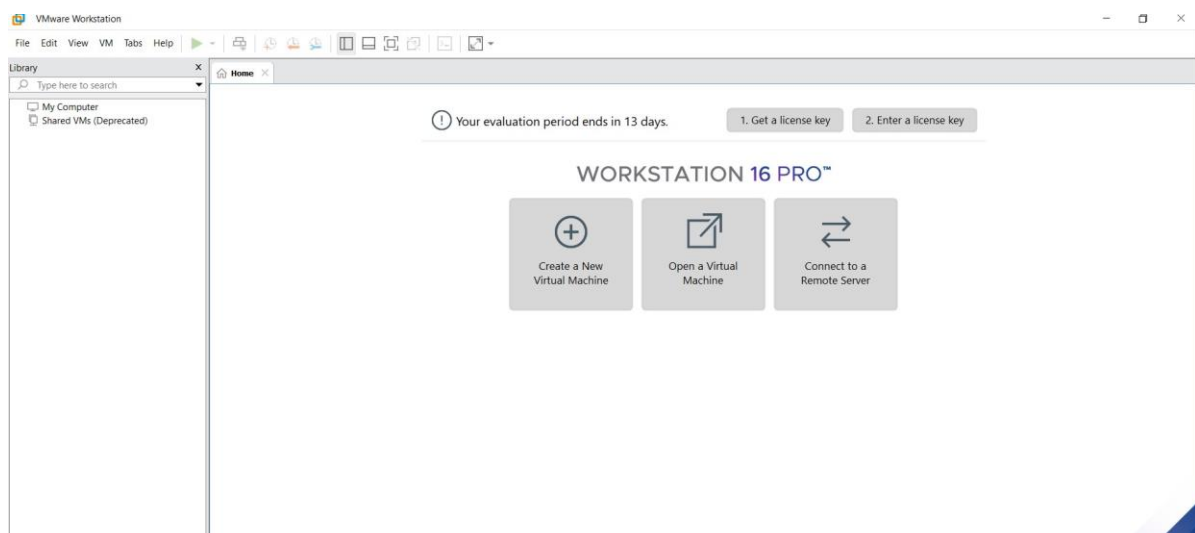
PROCEDURE:

1. Download VMware workstation and installed as type 2 hypervisor
2. Download Ubuntu or tiny os as iso image file
3. In VMware workstation->create new VM
4. Do the basic configuration settings.
5. Created tiny OS virtual machine
6. Launch the VM

IMPLEMENTATION:

STEP 1:
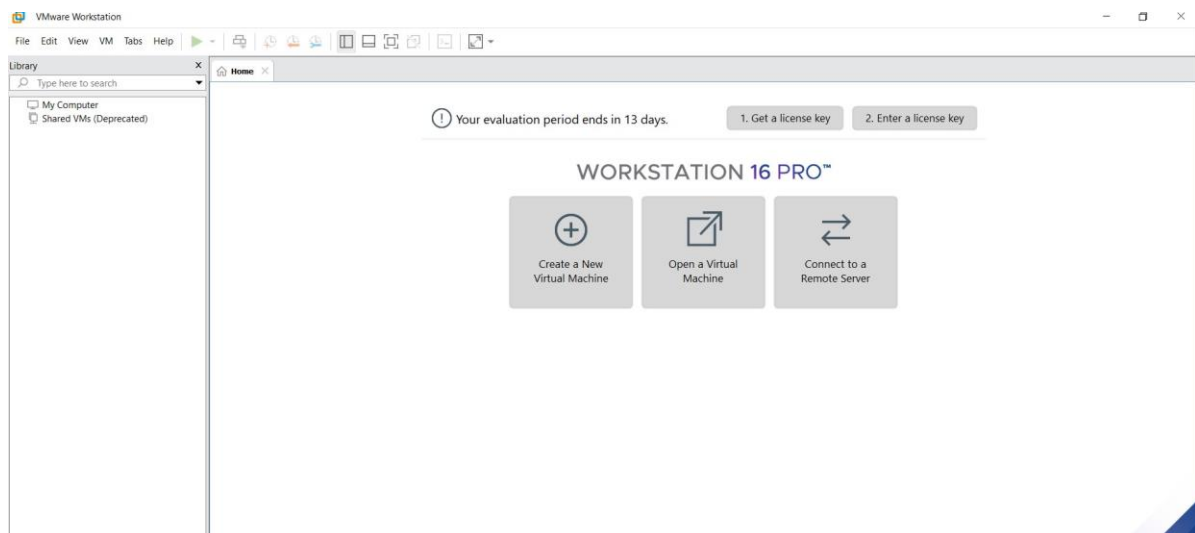
DOWLOAD VMWARE WORKSTATION AND INSTALLED AS TYPE 2 HYPERVISOR
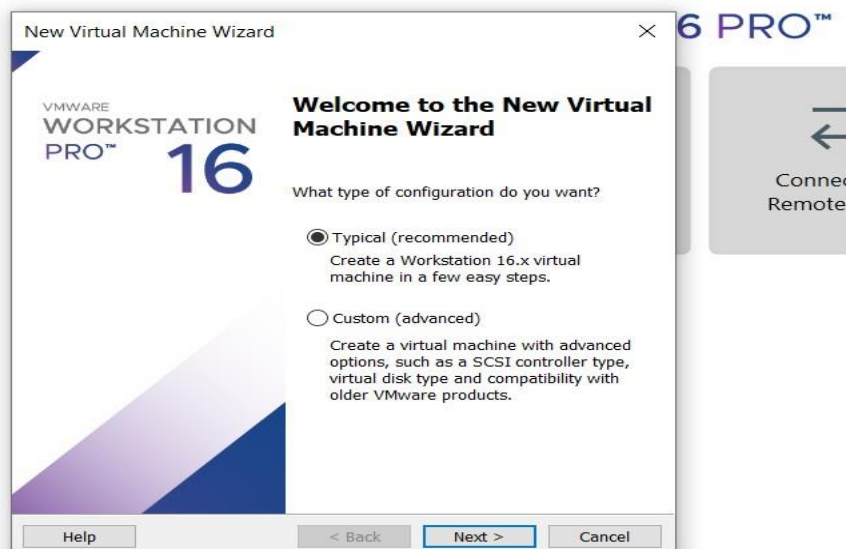
STEP2: DOWLOAD UBUNTU OR TINY OS AS ISO IMAGE FILE

Index of /11.x/x86/release/

```
../
distribution_files/              09-Feb-2020 11:50          -
src/                             03-Dec-2019 11:14          -
Core-11.1.iso                    01-Apr-2020 07:49    14757888
Core-11.1.iso.md5.txt            01-Apr-2020 07:49          48
Core-11.1.iso.zsync              01-Apr-2020 07:49       50639
Core-current.iso                 01-Apr-2020 07:49    14757888
CorePlus-11.1.iso                01-Apr-2020 07:50   216006656
CorePlus-11.1.iso.md5.txt        01-Apr-2020 07:50          52
CorePlus-11.1.iso.zsync          01-Apr-2020 07:50      369358
CorePlus-current.iso             01-Apr-2020 07:50   216006656
TinyCore-11.1.iso                01-Apr-2020 07:50    19922944
TinyCore-11.1.iso.md5.txt        01-Apr-2020 07:50          52
TinyCore-11.1.iso.zsync          01-Apr-2020 07:50       68301
TinyCore-current.iso             01-Apr-2020 07:50    19922944
```

STEP 3: IN VMWARE WORKSTATION->CREATE NEW VM

STEP 4: DO THE BASIC CONFIGURATION SETTINGS.

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:\Users\Gopi Prasad-Pc\Downloads\ubuntu-20.04.2.   Browse...

⦿ I will install the operating system later.

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

Help   < Back   Next >   Cancel

6 PRO™

⇄
Connect to a
Remote Server

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

6 PRO™

⇄
Connect to a
Remote Server

New Virtual Machine Wizard   ✕

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

Virtual machine name:

Ubuntu Vmware

Location:

C:\Users\Gopi Prasad-Pc\Documents\Virtual Machines\Ubuntu   Browse...

The default location can be changed at Edit > Preferences.

< Back   Next >   Cancel

6 PRO™

⇄
Connect to a
Remote Server

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.
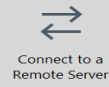
Maximum disk size (GB): 20.0

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

6 PRO™

Connect to a
Remote Server

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.
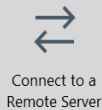
Maximum disk size (GB): 20.0

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

6 PRO™

Connect to a
Remote Server

New Virtual Machine Wizard

Ready to Create Virtual Machine
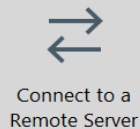Click Finish to create the virtual machine. Then you can install Ubuntu 64-bit.

The virtual machine will be created with the following settings:

Name:	Ubuntu Vmware
Location:	C:\Users\Gopi Prasad-Pc\Documents\Virtual Machines\U...
Version:	Workstation 16.x
Operating System:	Ubuntu 64-bit
Hard Disk:	20 GB
Memory:	2048 MB
Network Adapter:	NAT
Other Devices:	2 CPU cores, CD/DVD, USB Controller, Printer, Sound C...

Customize Hardware...
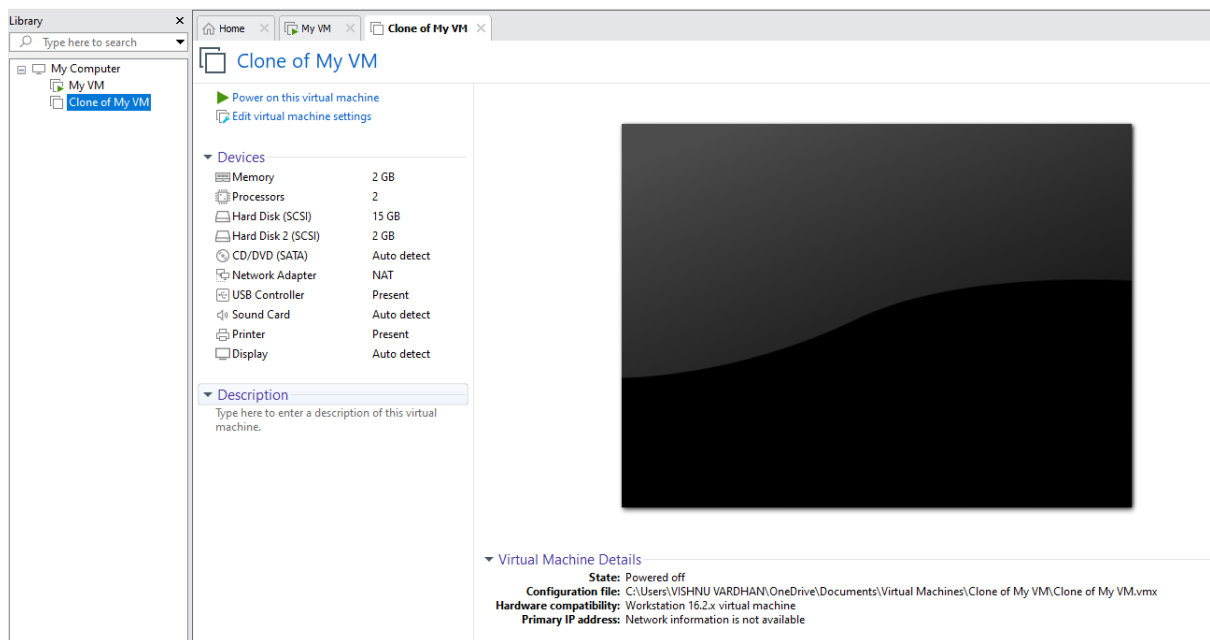
< Back   Finish   Cancel
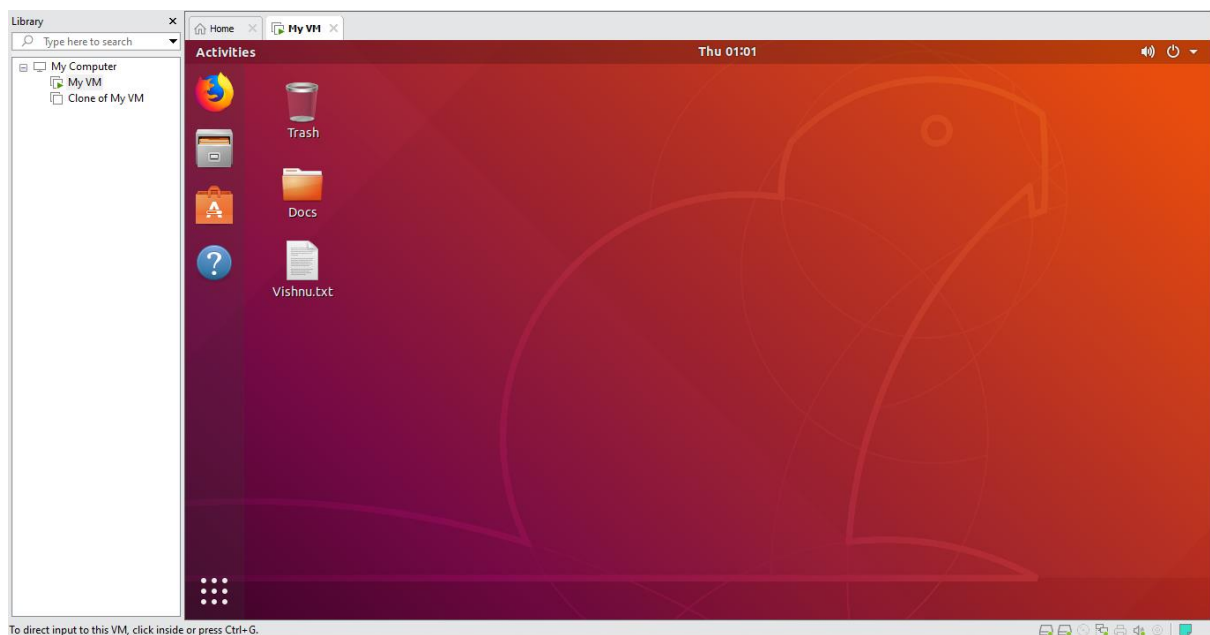
6 PRO™

Connect to a
Remote Server

STEP 4: CREATED TINYOS VIRTUAL MACHINE

STEP 5: LAUNCH THE VM

RESULT:

Hence created a virtual machine with 1 CPU, 2gb ram and 15gb storage disk using a type 2 virtualization software.