

## EXPERIMENT - 6

**AIM:** To demonstrate virtualization by installing type-2 hypervisor in your device, create and configure a VM image with a host operating system (either windows/linux).

### PROCEDURE:

STEP 1:Download VMware workstation and install it as type 2 hypervisor.

STEP2:Download ubuntu or tiny OS as iso image file.

STEP 3: In VMware workstation->create new VM.

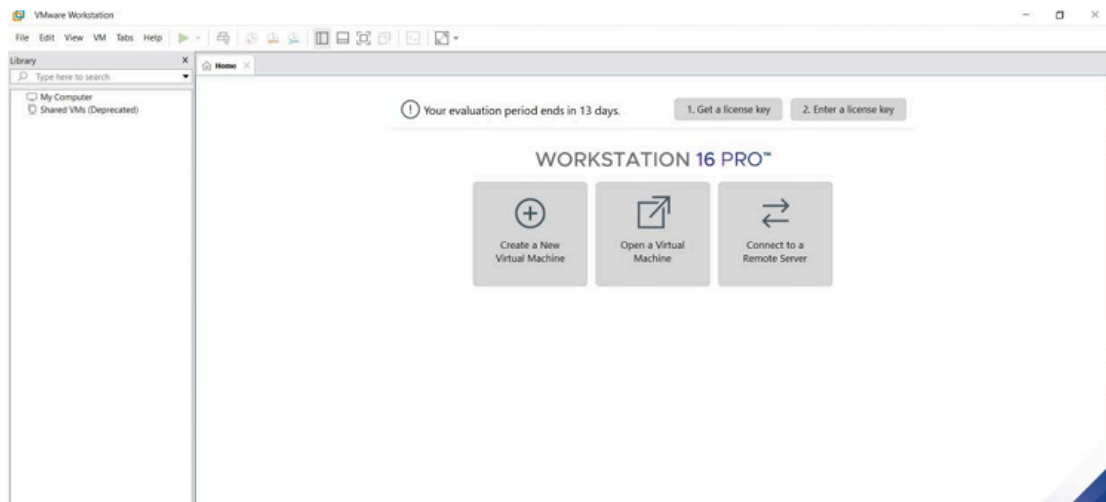
STEP 4: Do the basic configuration settings.

STEP 5: Created a tiny OS virtual machine.

STEP 6: Launch the VM.

### IMPLEMENTATION:

#### STEP 1:DOWNLOAD VMWARE WORKSTATION AND INSTALLED AS TYPE 2 HYPERVISOR

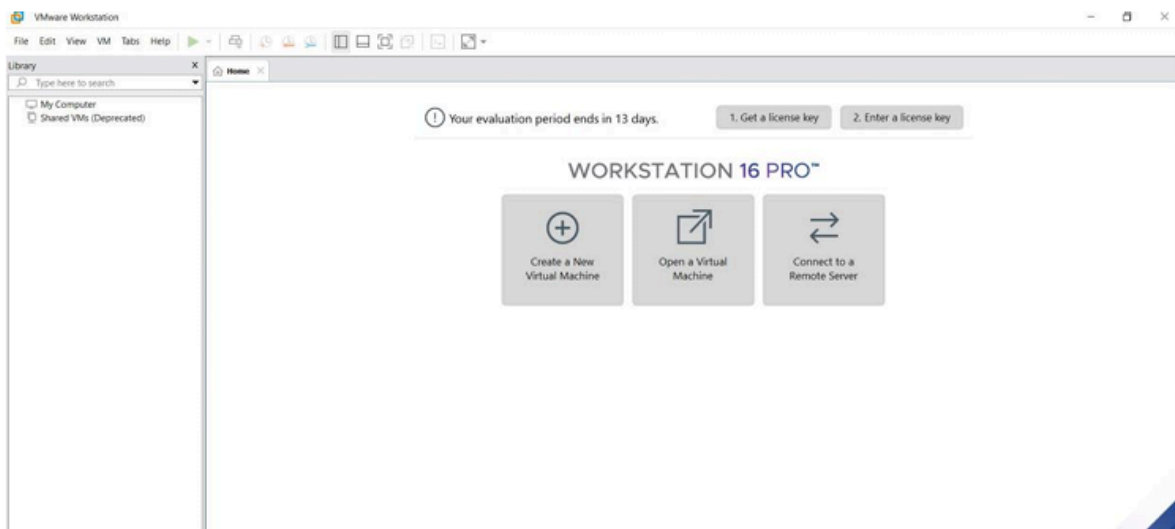


## STEP2: DOWNLOAD UBUNTU OR TINY OS AS ISO IMAGE FILE

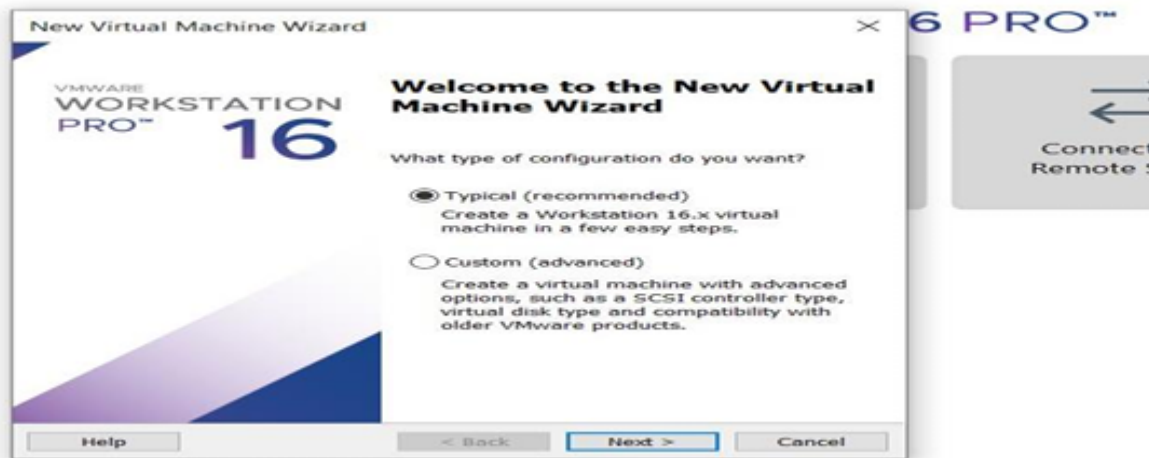
### Index of /11.x/x86/release/

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

## STEP 3: IN VMWARE WORKSTATION->CREATE NEW VM



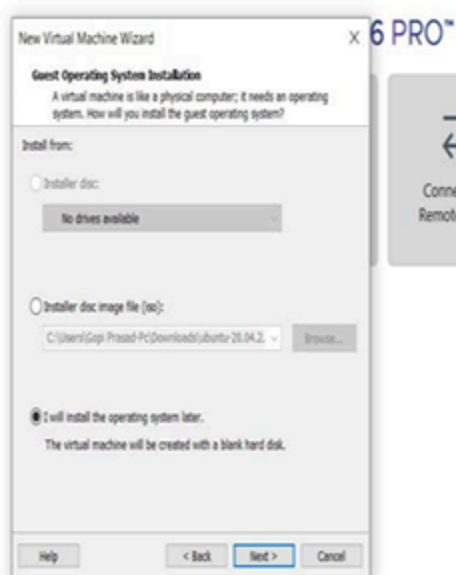
## STEP 4: DO THE BASIC CONFIGURATION SETTINGS.



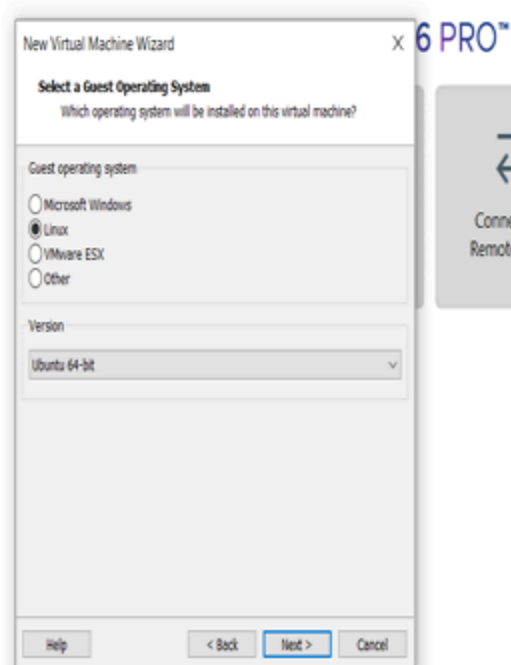
! Your evaluation period ends in 12 days.

1. Get a license key

2. Enter a license key



Connect to a Remote Server



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:

Location:  
 [Browse...](#)

The default location can be changed at Edit > Preferences.

< Back Next > Cancel

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Connect to a  
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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.

Help < Back Next > Cancel

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Connect to a  
Remote Server

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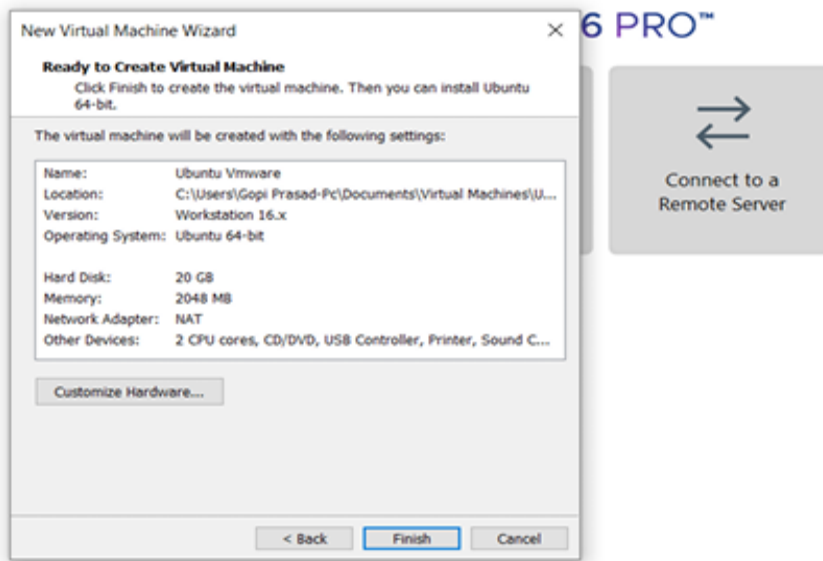
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Help < Back Next > Cancel

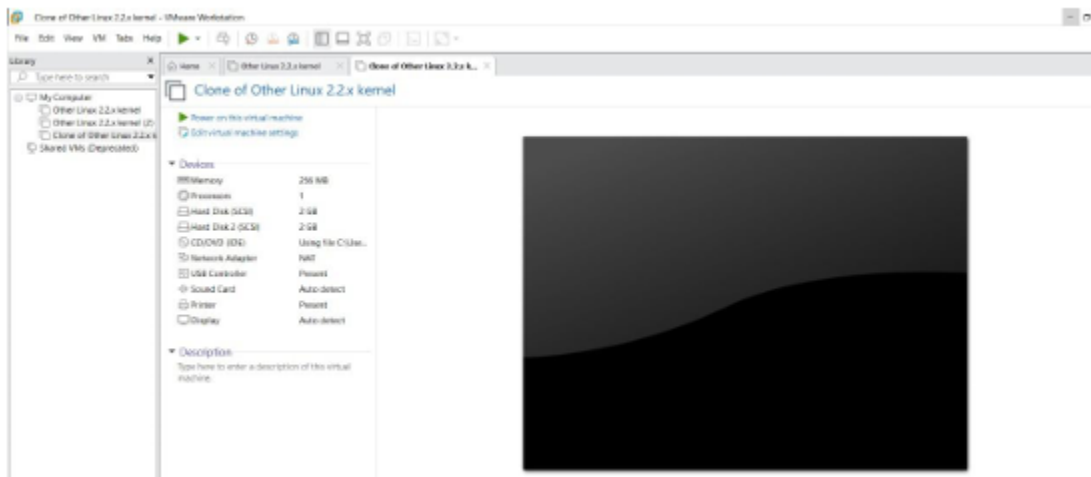
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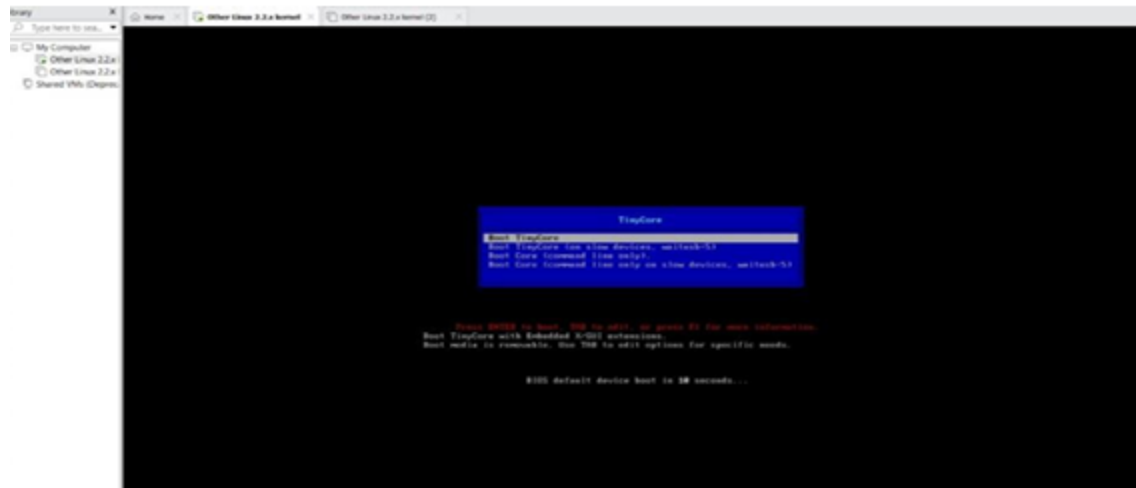
Connect to a  
Remote Server



## STEP 5: CREATED TINYOS VIRTUAL MACHINE



## STEP 6: LAUNCH THE VM



## RESULT

Installed Oracle VirtualBox (Type-2 hypervisor) on the host OS, created a VM, and installed Ubuntu as the guest OS. Successfully ran the VM demonstrating virtualization by isolating and running a separate OS within the host system