

## EXPERIMENT-7

### Aim:

To create and configure a Virtual Machine with 1 CPU, 2GB RAM, and 15GB storage disk using Type 2 Virtualization Software (VirtualBox).

### Procedure

1. Open VirtualBox
  - Launch Oracle VirtualBox from the desktop/start menu.
2. Create a New Virtual Machine
  - Click on "New" in the VirtualBox Manager.
  - Enter the name of the VM (e.g., "My\_VM").
  - Select the type and version of the guest operating system (e.g., Linux → Ubuntu 64-bit).
  - Click Next.
3. Allocate Memory (RAM)
  - In the memory size dialog box, allocate 2048 MB (2GB) RAM.
  - Click Next.
4. Create Virtual Hard Disk
  - Select "Create a virtual hard disk now" and click Create.
  - Choose VDI (VirtualBox Disk Image) as disk type.
  - Select Dynamically Allocated storage.
  - Set the disk size to 15GB and click Create.
5. Configure CPU
  - Select the created VM and click Settings → System → Processor.
  - Allocate 1 CPU core.
  - Click OK.
6. Mount Installation ISO
  - In the VM settings, go to Storage.
  - Click on the empty disk icon under Controller: IDE.
  - Choose the downloaded OS ISO file and click OK.

## 7. Start Virtual Machine

- Select the VM and click Start.
- Follow the OS installation steps to complete the setup.

### Step 1:

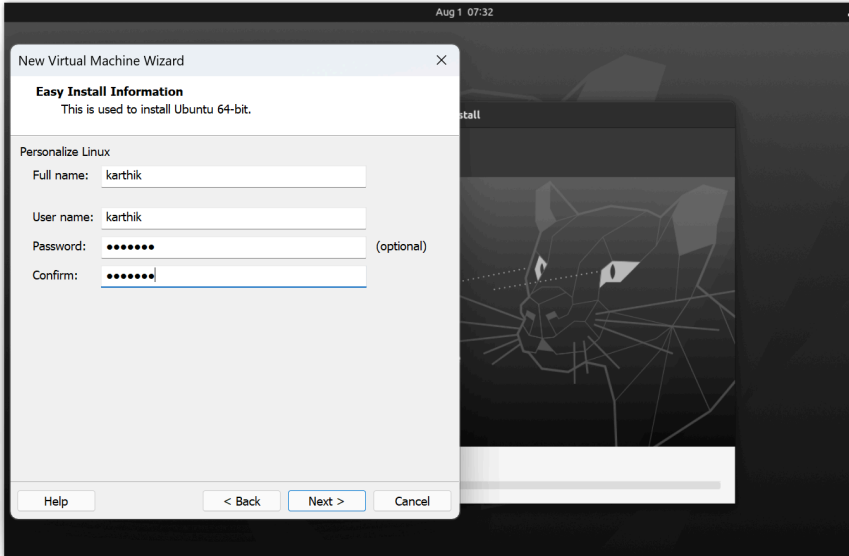
[Resume this virtual machine](#)  
[Edit virtual machine settings](#)

Devices

Memory	2 GB
Processors	1
Hard Disk (SCSI)	15 GB
CD/DVD 2 (SATA)	Using file C:\Use...
CD/DVD (SATA)	Using file autoin...
Floppy	Using file autoin...
Network Adapter	NAT
USB Controller	Present
Sound Card	Auto detect
Display	Auto detect

Description

Type here to enter a description of this virtual machine.



Virtual Machine Details

**State:** Suspended  
**Configuration file:** C:\Users\Siva Polam\OneDrive\Documents\Virtual Machines\Ubuntu 64-bit (2)\Ubuntu 64-bit (2).vmx  
**Hardware compatibility:** Workstation 17.5 or later virtual machine

### STEP 2:

Ubuntu 64-bit (2)

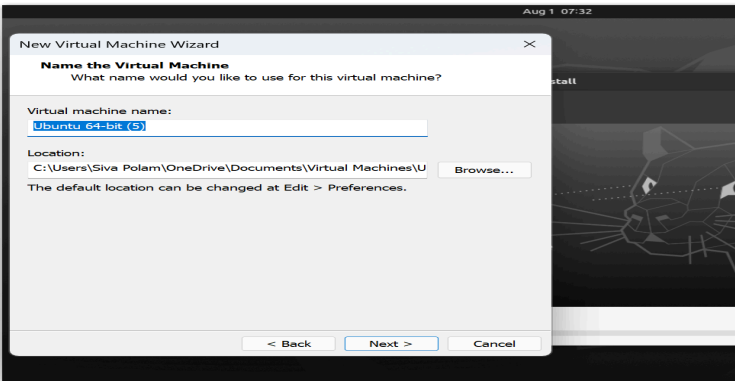
[Resume this virtual machine](#)  
[Edit virtual machine settings](#)

Devices

Memory	2 GB
Processors	1
Hard Disk (SCSI)	15 GB
CD/DVD 2 (SATA)	Using file C:\Use...
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Description

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Virtual Machine Details

**State:** Suspended  
**Configuration file:** C:\Users\Siva Polam\OneDrive\Documents\Virtual Machines\Ubuntu 64-bit (2)\Ubuntu 64-bit (2).vmx

## STEP 3:

Ubuntu 64-bit (2)

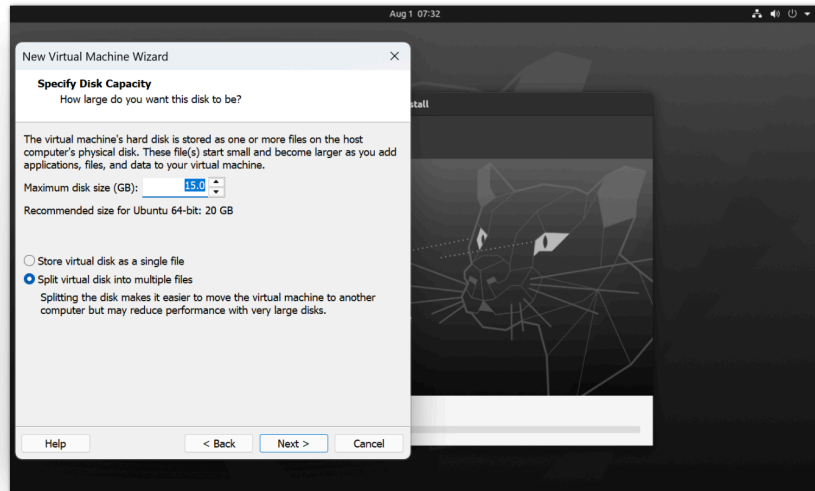
Resume this virtual machine  
Edit virtual machine settings

### Devices

Memory	2 GB
Processors	1
Hard Disk (SCSI)	15 GB
CD/DVD 2 (SATA)	Using file C:\Use...
CD/DVD (SATA)	Using file autoin...
Floppy	Using file autoin...
Network Adapter	NAT
USB Controller	Present
Sound Card	Auto detect
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### Description

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### Virtual Machine Details

State: Suspended

Configuration file: C:\Users\Siva Polam\OneDrive\Documents\Virtual Machines\Ubuntu 64-bit (2)\Ubuntu 64-bit (2).vmx

Hardware compatibility: Workstation 17.5 or later virtual machine

## STEP 4:

Ubuntu 64-bit (2)

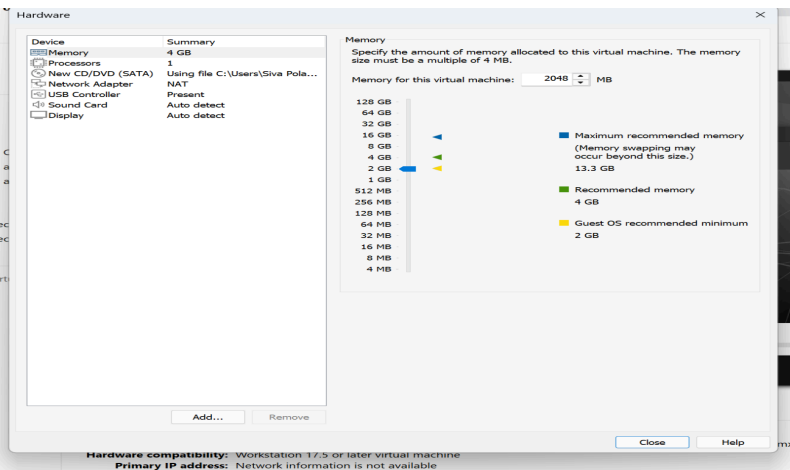
Resume this virtual machine  
Edit virtual machine settings

### Devices

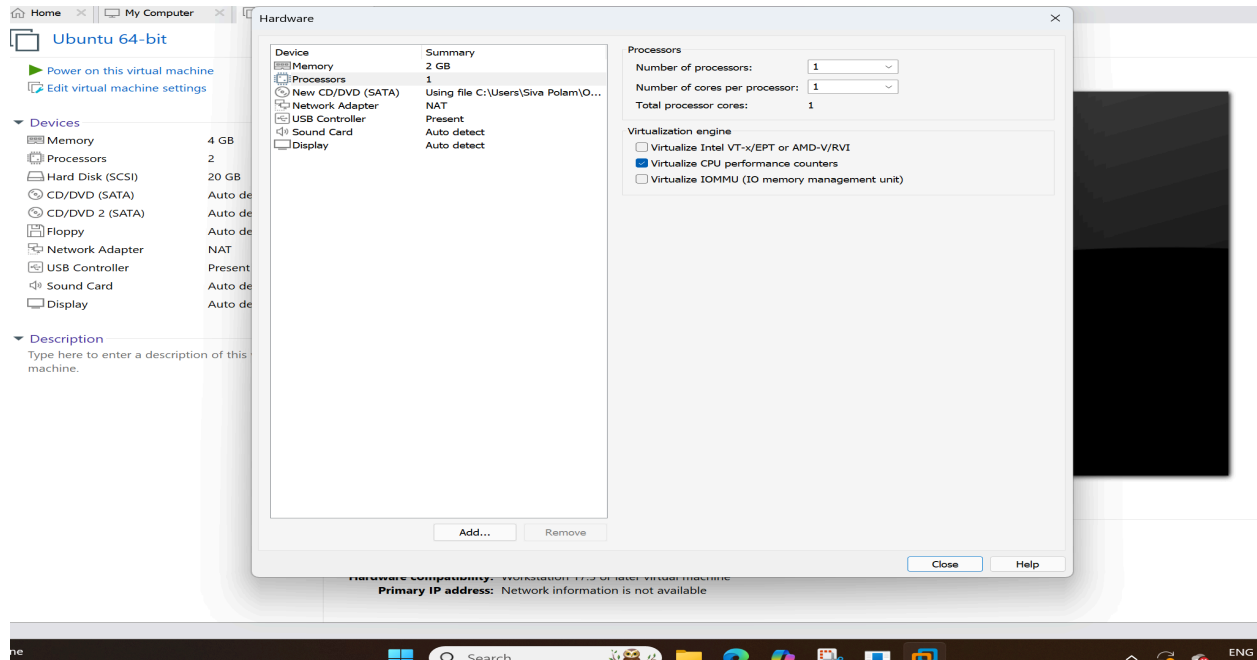
Memory	2 GB
Processors	1
Hard Disk (SCSI)	15 GB
CD/DVD 2 (SATA)	Using file C...
CD/DVD (SATA)	Using file a...
Floppy	Using file s...
Network Adapter	NAT
USB Controller	Present
Sound Card	Auto detect
Display	Auto detect

### Description

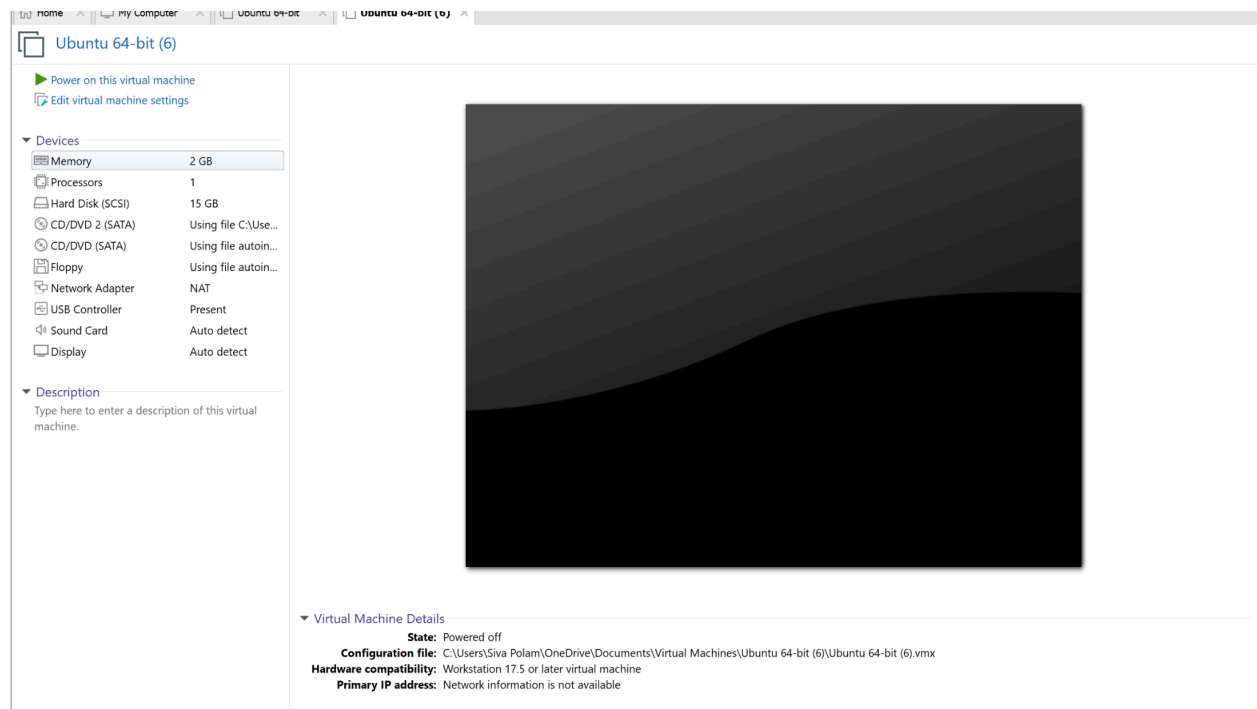
Type here to enter a description of this virtual machine.



## STEP 5:



## STEP 6:



**RESULT:**

A virtual machine with 1 CPU, 2GB RAM, and 15GB storage disk is successfully created and configured using VirtualBox (Type 2 Hypervisor).