

DATE: 25.08.2025

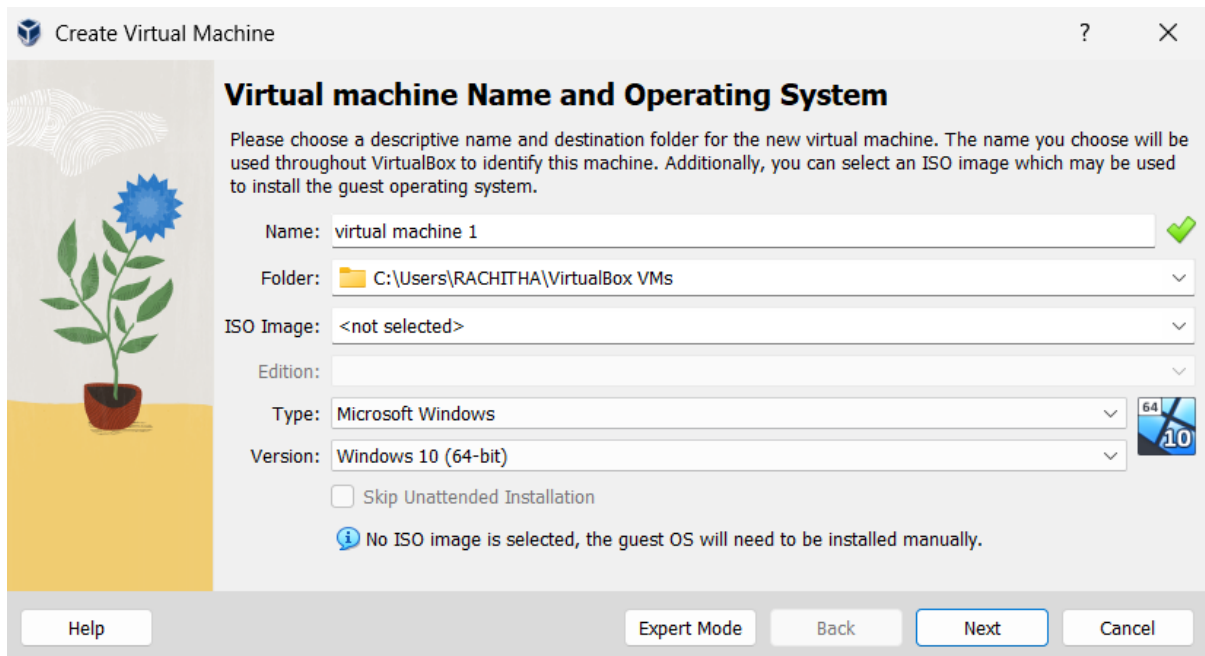
**EXPERIMENT – 07** Demonstrate virtualization by Installing Type-2 Hypervisor in your device, create and configure VM image with a Host Operating system (Either Windows/Linux) using virtual box.

**Aim:** demonstrate virtualization by installing a Type-2 Hypervisor (VirtualBox) and creating/configuring a VM image with a Host Operating System (Windows/Linux).

**Procedure:**

1. Download and install Oracle VirtualBox on the host system (Type-2 Hypervisor).
2. Launch VirtualBox and click New to create a new virtual machine.
3. Enter the VM name, choose the Operating System type (Windows/Linux), and select version.
4. Allocate required RAM size (e.g., 2 GB).
5. Create a Virtual Hard Disk (VHD/VDI) and allocate desired storage (e.g., 20 GB).
6. Mount the ISO image of the chosen OS (Windows/Linux).
7. Start the VM and proceed with OS installation.
8. Configure basic system settings (username, password, language, network).
9. Verify the successful installation and functionality of the virtual machine.

**Output:**



Create Virtual Machine

**Virtual machine Name and Operating System**

Please choose a descriptive name and destination folder for the new virtual machine. The name you choose will be used throughout VirtualBox to identify this machine. Additionally, you can select an ISO image which may be used to install the guest operating system.

Name: virtual machine 1 ✓

Folder: C:\Users\RACHITHA\VirtualBox VMs


ISO Image: <not selected>

Edition:


Type: Microsoft Windows


Version: Windows 10 (64-bit)

☐ Skip Unattended Installation

 No ISO image is selected, the guest OS will need to be installed manually.

Help Expert Mode Back Next Cancel

 Create Virtual Machine



## Hardware

You can modify virtual machine's hardware by changing amount of RAM and virtual CPU count. Enabling EFI is also possible.

Base Memory:  2048 MB

Processors:  1 CPU


☐ Enable EFI (special OSes only)


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Cancel

 Create Virtual Machine



## Virtual Hard disk

If you wish you can add a virtual hard disk to the new machine. You can either create a new hard disk file or select an existing one. Alternatively you can create a virtual machine without a virtual hard disk.

☒ Create a Virtual Hard Disk Now

Disk Size:  50.00 GB

☐ Pre-allocate Full Size

☐ Use an Existing Virtual Hard Disk File

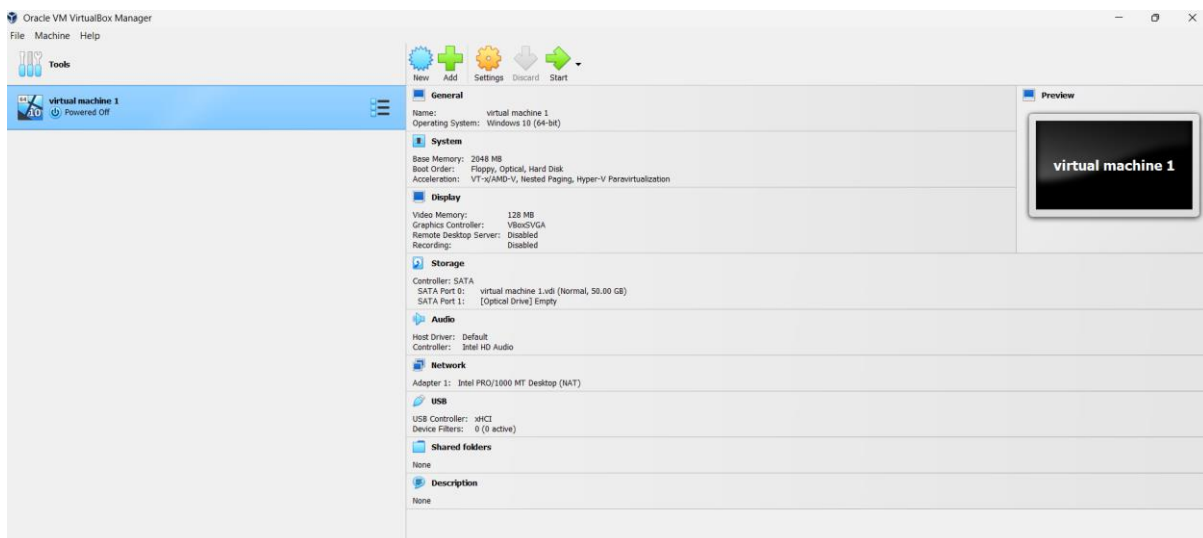
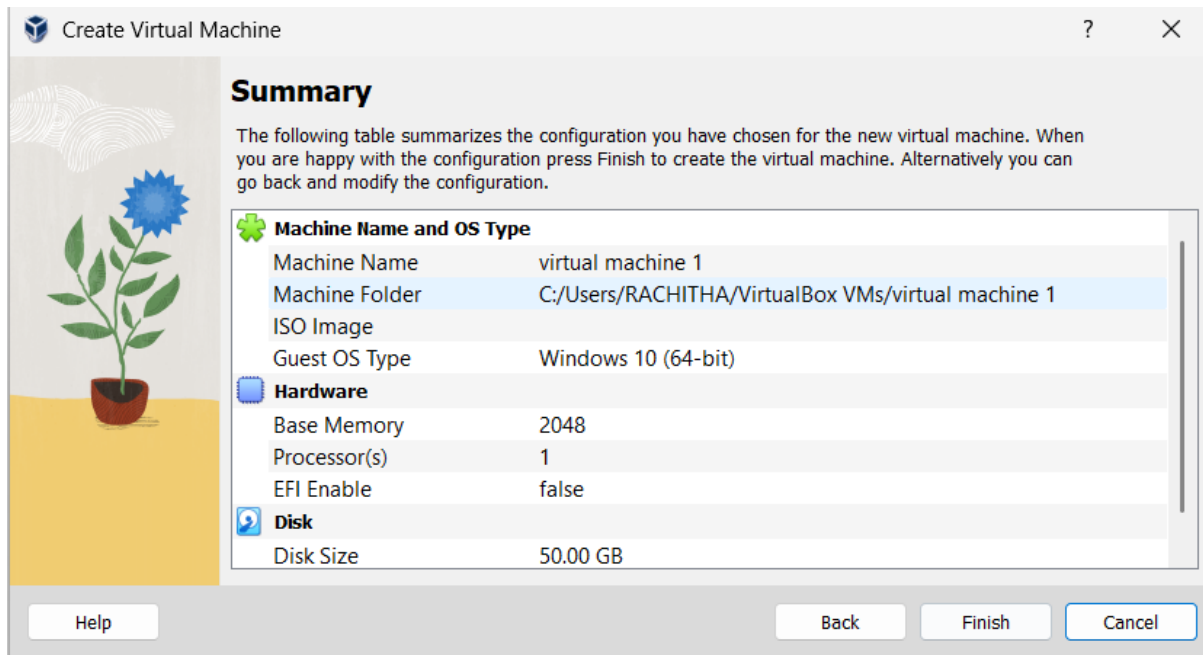
☐ Do Not Add a Virtual Hard Disk

Help

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Cancel



Result:

Virtualization was successfully demonstrated by installing VirtualBox (Type-2 Hypervisor), creating a VM, and configuring it with the chosen Host Operating System.