

DATE: 26.08.2025

EXPERIMENT – 11 Change Hardware compatibility of a VM (Either by clone/create new one) which is already created and configured, using virtual box.

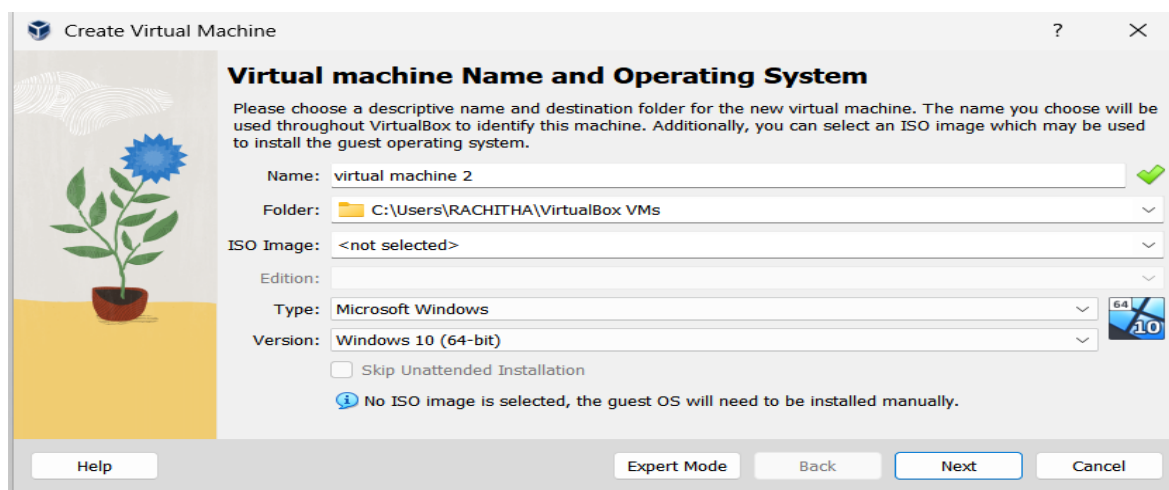
### Aim:

To change the hardware configuration of an already created and configured Virtual Machine using VirtualBox.


### Procedure:

1. Open **Oracle VirtualBox** on your host machine.
2. Select the **virtual machine (VM)** whose hardware you want to modify.
3. Ensure the VM is **powered off**.
4. Right-click the VM and select **Settings**.
5. Navigate to the following hardware sections and modify as needed:
  - **System → Motherboard:** Change base memory (RAM), boot order.
  - **System → Processor:** Change the number of CPU cores.
  - **Display → Screen:** Adjust video memory or enable 3D acceleration.
  - **Storage → Controller:** Add or remove virtual hard disks.
  - **Network:** Change adapter type or network mode (NAT/Bridged).
6. Click **OK** to save the new configuration.
7. Start the VM and verify that it runs correctly with the updated hardware settings.

Output:



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: 

4 MB

16384 MB

 2048 MB

Processors: 

1 CPU

12 CPUs

 1

☐ Enable EFI (special OSes only)


Help

Back

Next

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: 

4.00 MB

2.00 TB

 15.5 GB

☐ Pre-allocate Full Size

☐ Use an Existing Virtual Hard Disk File

virtual machine 1.vdi (Normal, 50.00 GB)

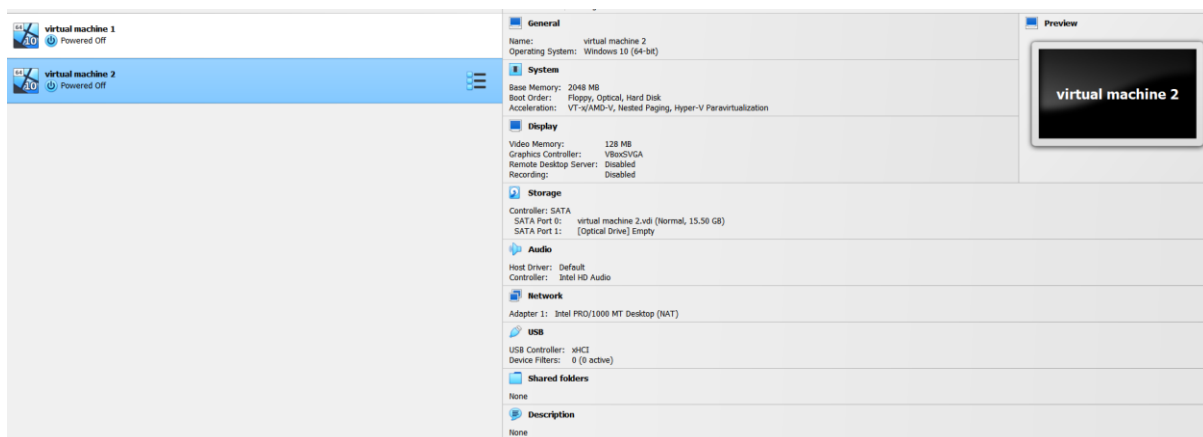
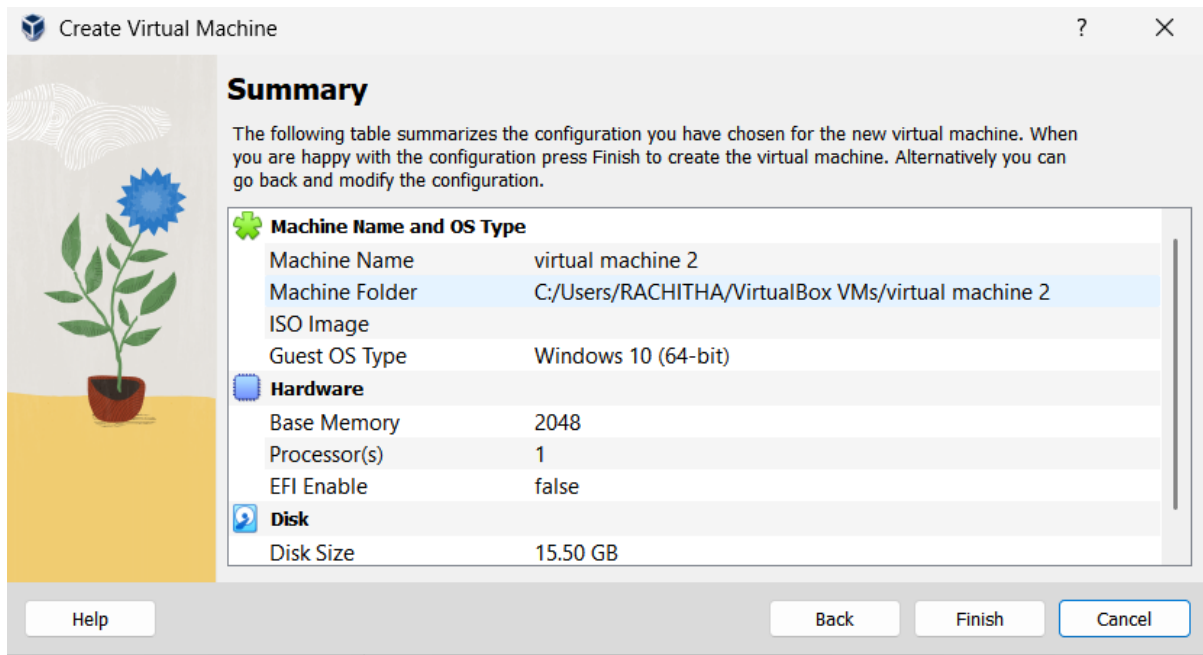
☐ Do Not Add a Virtual Hard Disk

Help

Back

Next

Cancel



## Result:

The hardware compatibility of the VM was successfully modified in VirtualBox. The VM ran correctly after changing RAM, CPU, storage, and other hardware settings, demonstrating hardware reconfiguration in a Type-2 Hypervisor.