LAB MANUAL

CSA1517

CLOUD COMPUTING AND BIG DATA ANALYTICS FOR HADOOP APPLICATIONS

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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:

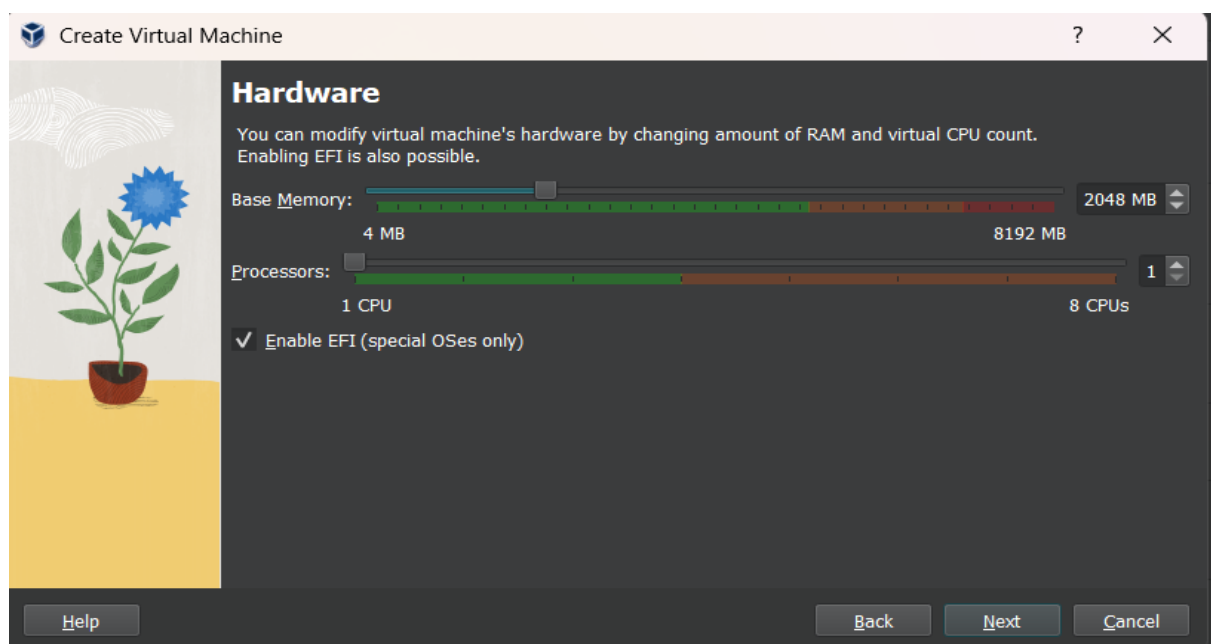**STEP 1**: Dowload Virtual box and installed as type 2hypervisor.

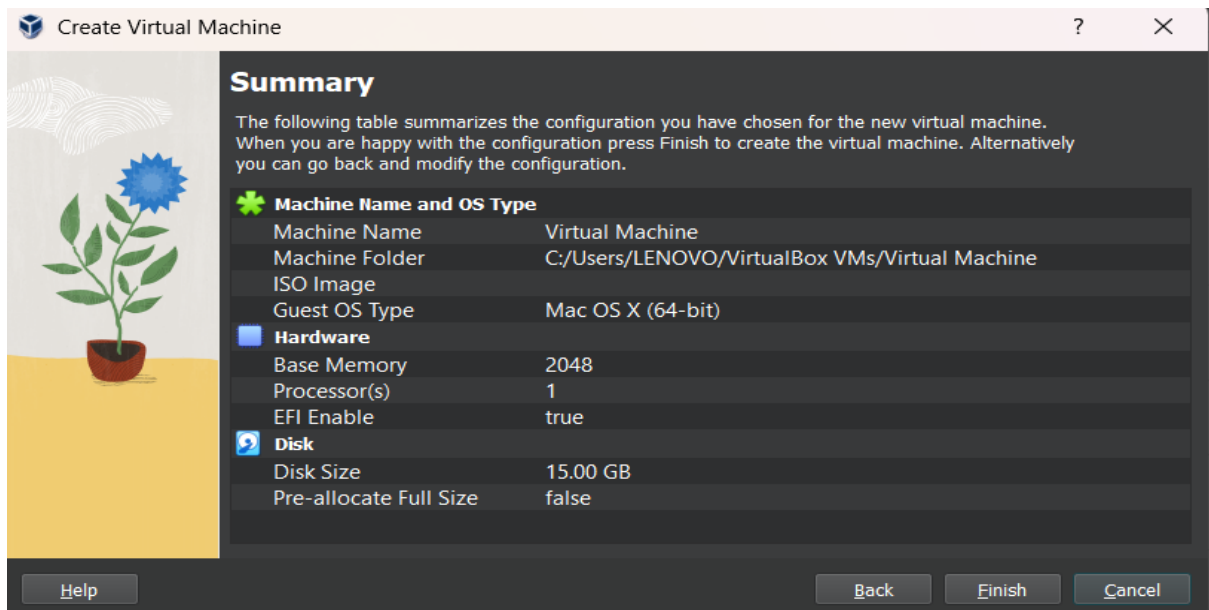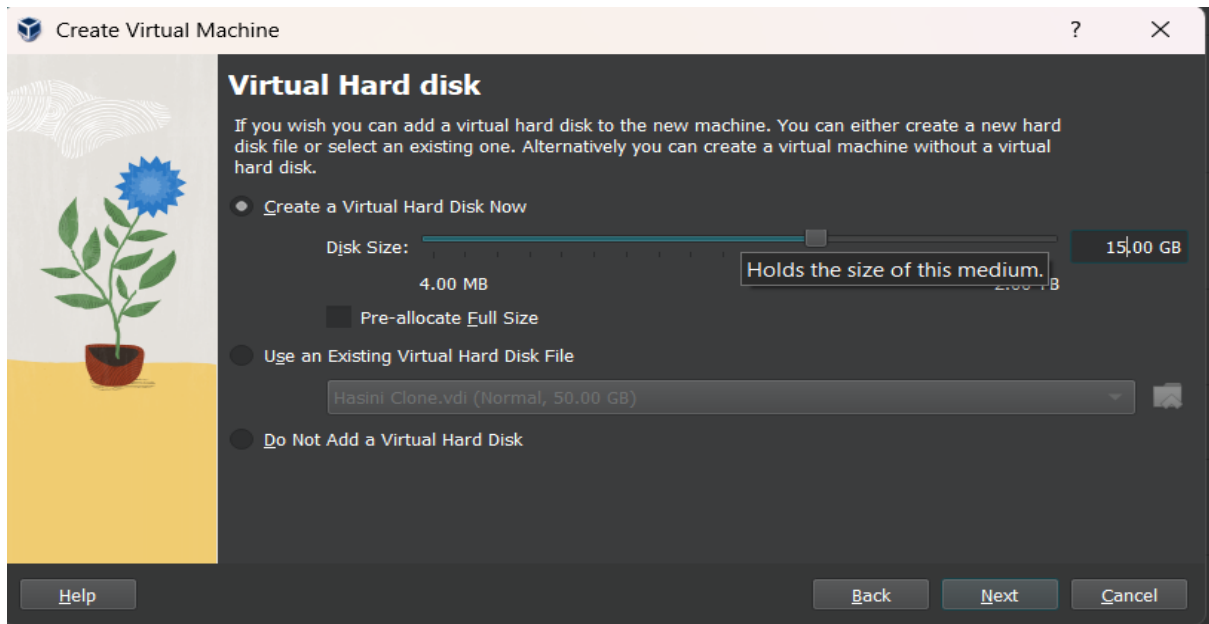**STEP2:** Dowload ubuntu or tiny OS as iso image file.

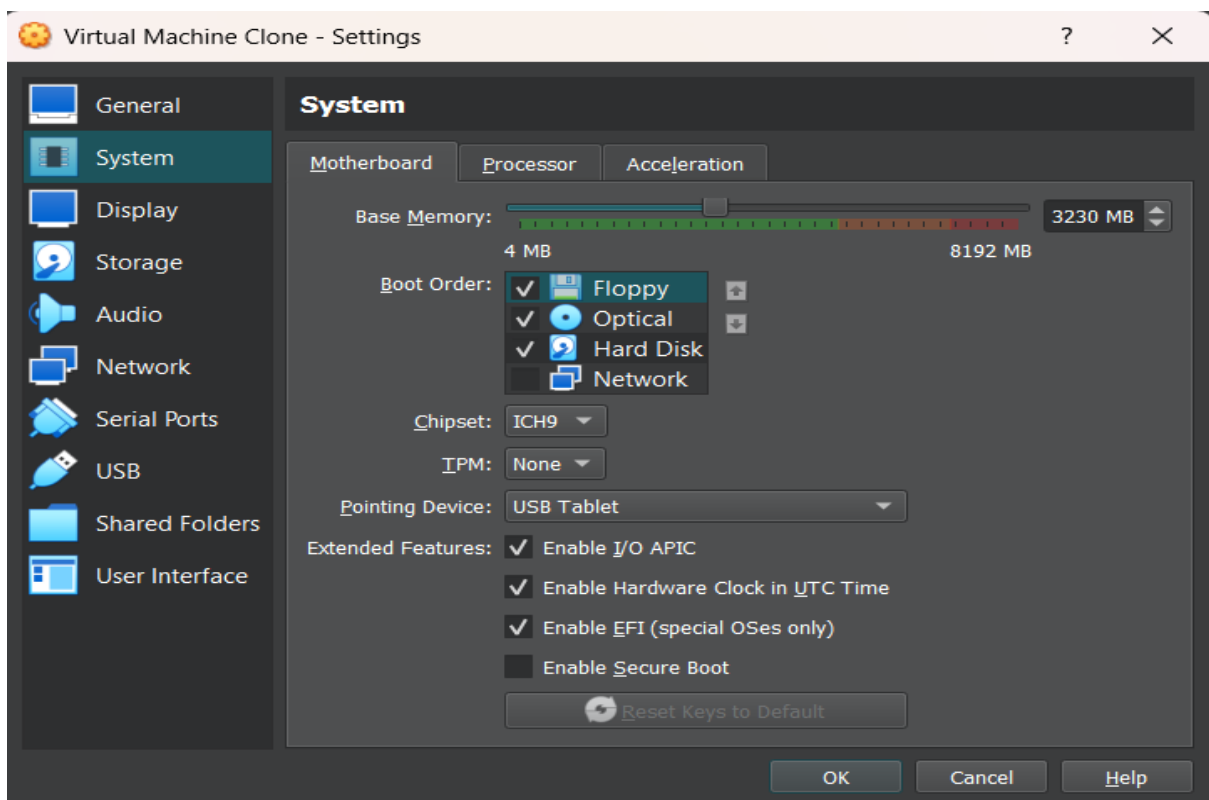**STEP 3**: In Virtual Box->create new VM.

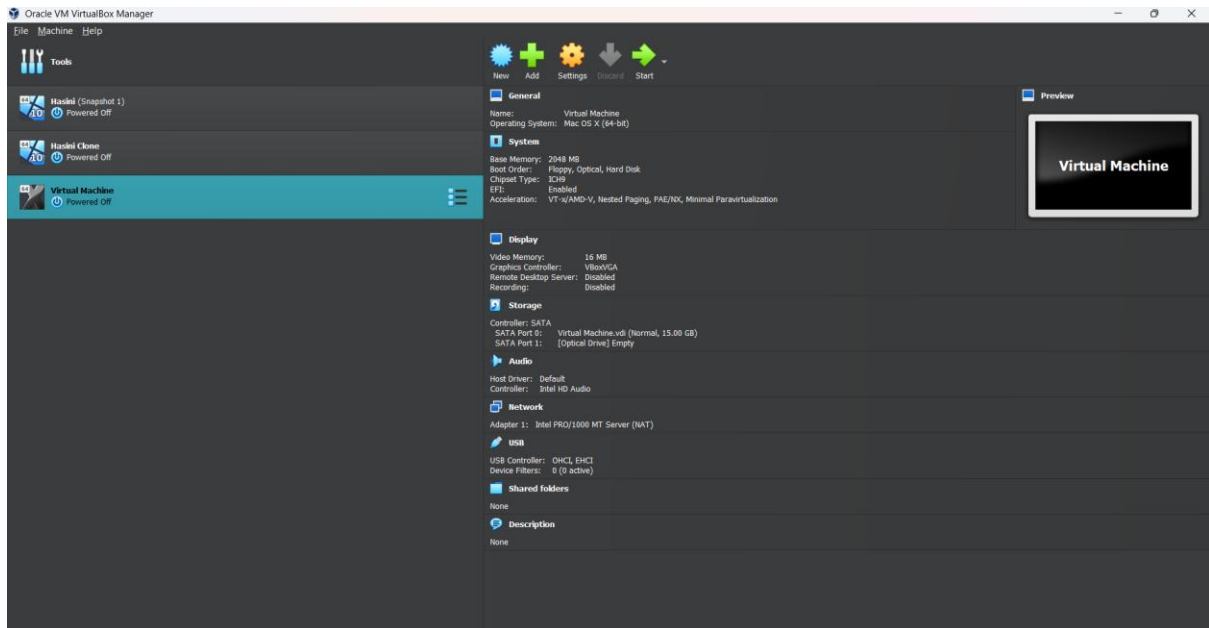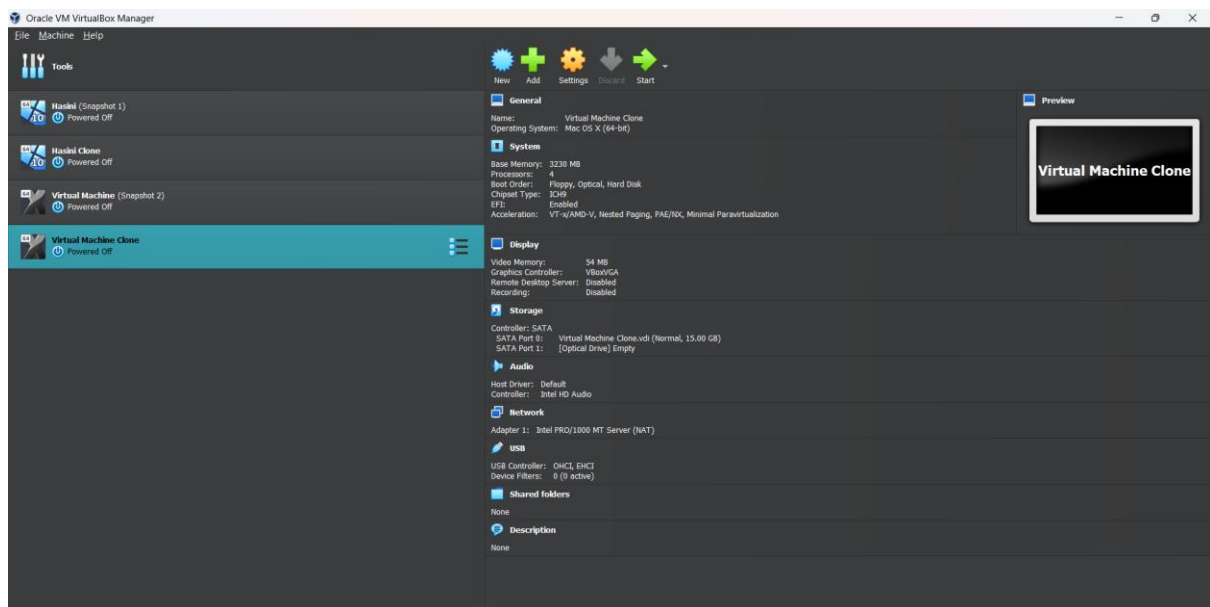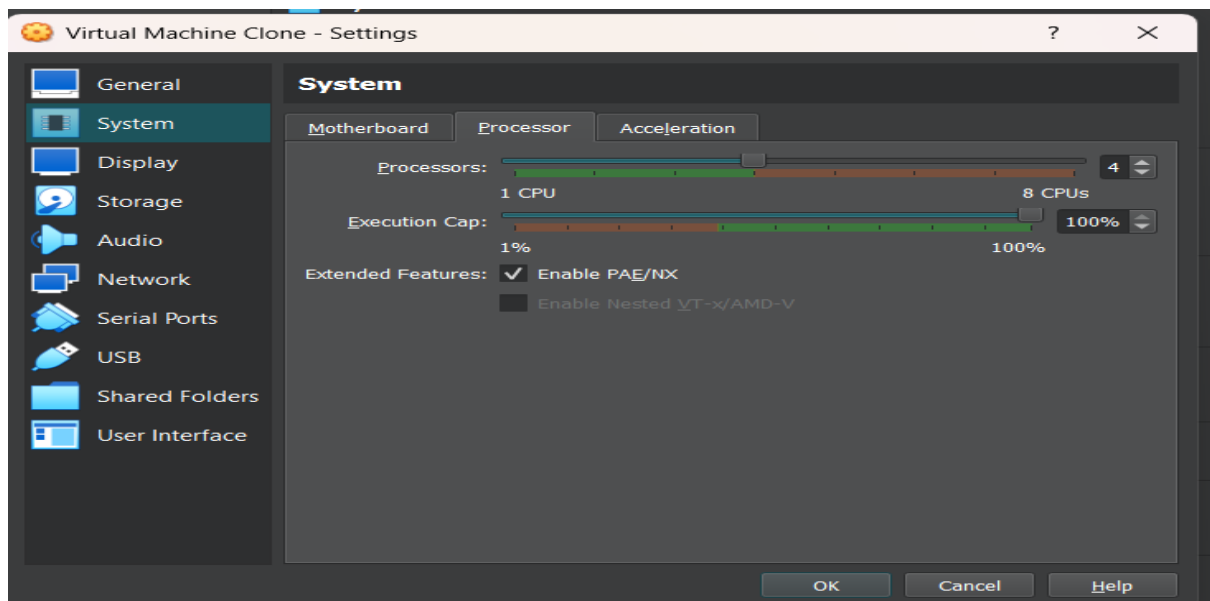**STEP 4**: Do the basic configuration settings.

STEP 5: Created tiny OS virtual machine.

STEP 6: Launch the VM.

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: 15.00 GB

    4.00 MB   Holds the size of this medium.   2.00 TB

    ☐ Pre-allocate Full Size

- ○ Use an Existing Virtual Hard Disk File

    Hasini Clone.vdi (Normal, 50.00 GB)

- ○ Do Not Add a Virtual Hard Disk

Help   Back   Next   Cancel

Create Virtual Machine

Summary

The following table summarizes the configuration you have chosen for the new virtual machine. When you are happy with the configuration press Finish to create the virtual machine. Alternatively you can go back and modify the configuration.

Machine Name and OS Type	
Machine Name	Virtual Machine
Machine Folder	C:/Users/LENOVO/VirtualBox VMs/Virtual Machine
ISO Image	
Guest OS Type	Mac OS X (64-bit)
Hardware	
Base Memory	2048
Processor(s)	1
EFI Enable	true
Disk	
Disk Size	15.00 GB
Pre-allocate Full Size	false

Help   Back   Finish   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.