

LAB MANUAL

**CSA1517 - CLOUD COMPUTING AND BIG DATA
ANALYTICS FOR HADOOP APPLICATIONS**

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EXP NO 6. 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.

DATE:

AIM:

To demonstrate virtualization by installing a Type-2 Hypervisor (VirtualBox) in the device, and create and configure a Virtual Machine (VM) image with a host operating system (either Windows/Linux).

PROCEDURE:

STEP 1: install Oracle VirtualBox as a Type-2 Hypervisor

STEP 2: Download an ISO image file of the operating system (Ubuntu Linux / Windows).

STEP 3: Open VirtualBox → Click New → Create a new Virtual Machine.

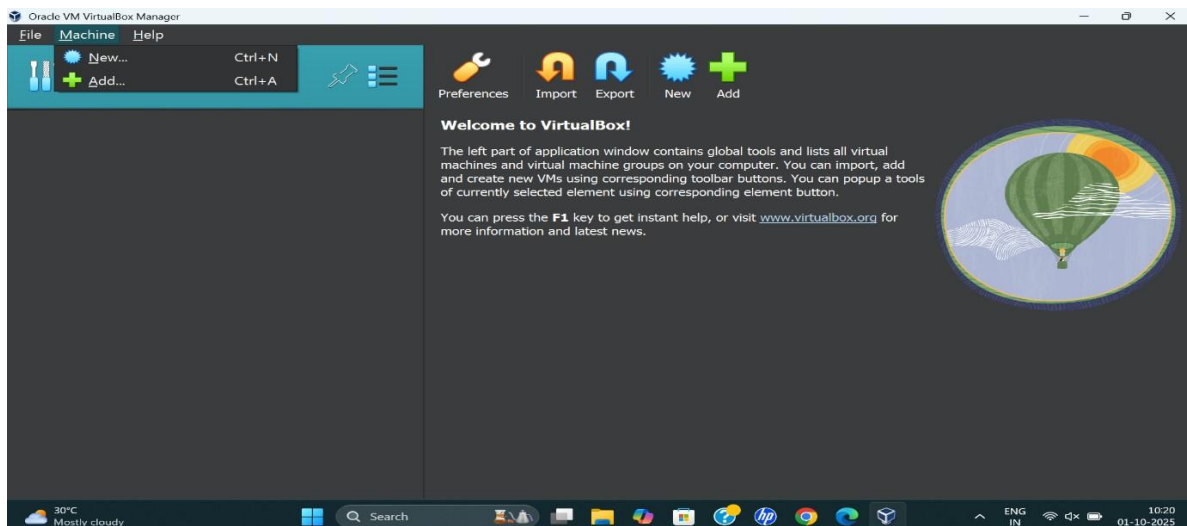
STEP 4: Configure the VM

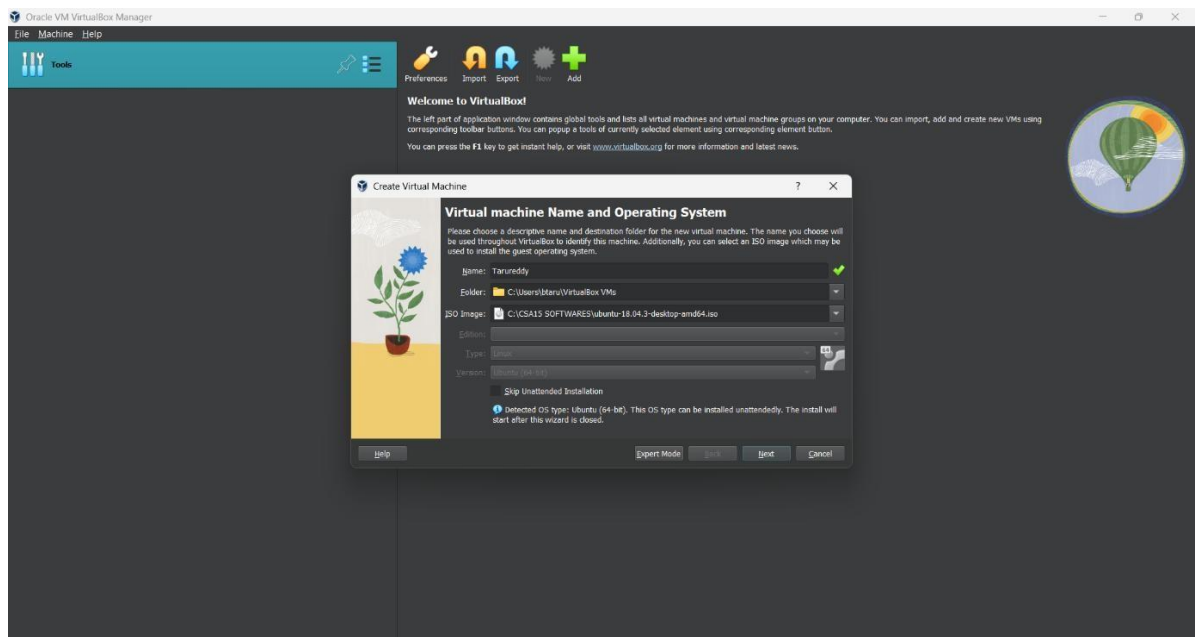
STEP 5: Start the Virtual Machine → The system will boot from the ISO file.

STEP 6: Install the selected operating system (Linux/Windows) by following the on-screen setup instructions.

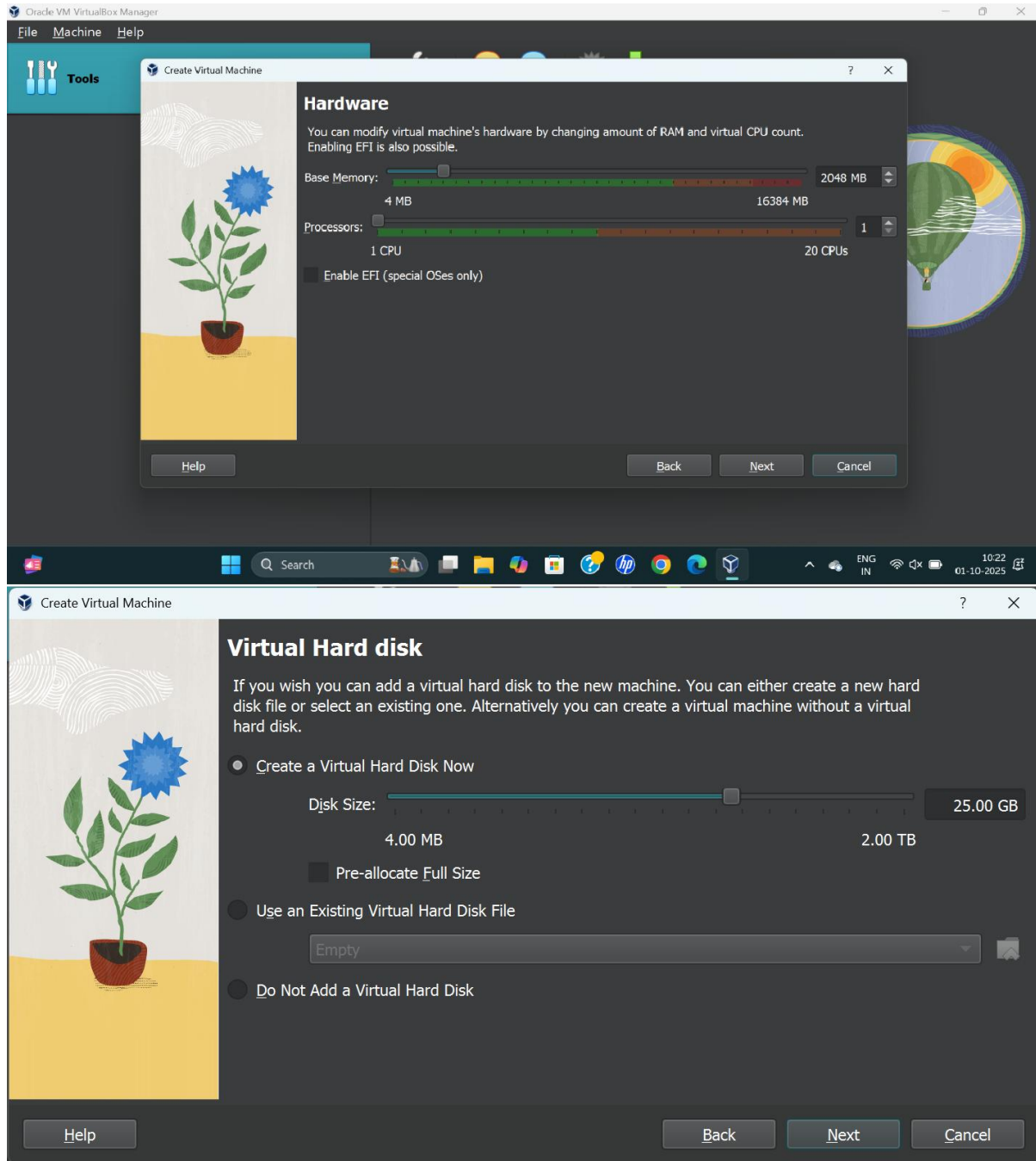
STEP 7: After successful installation, launch the VM → The guest operating system runs inside VirtualBox.

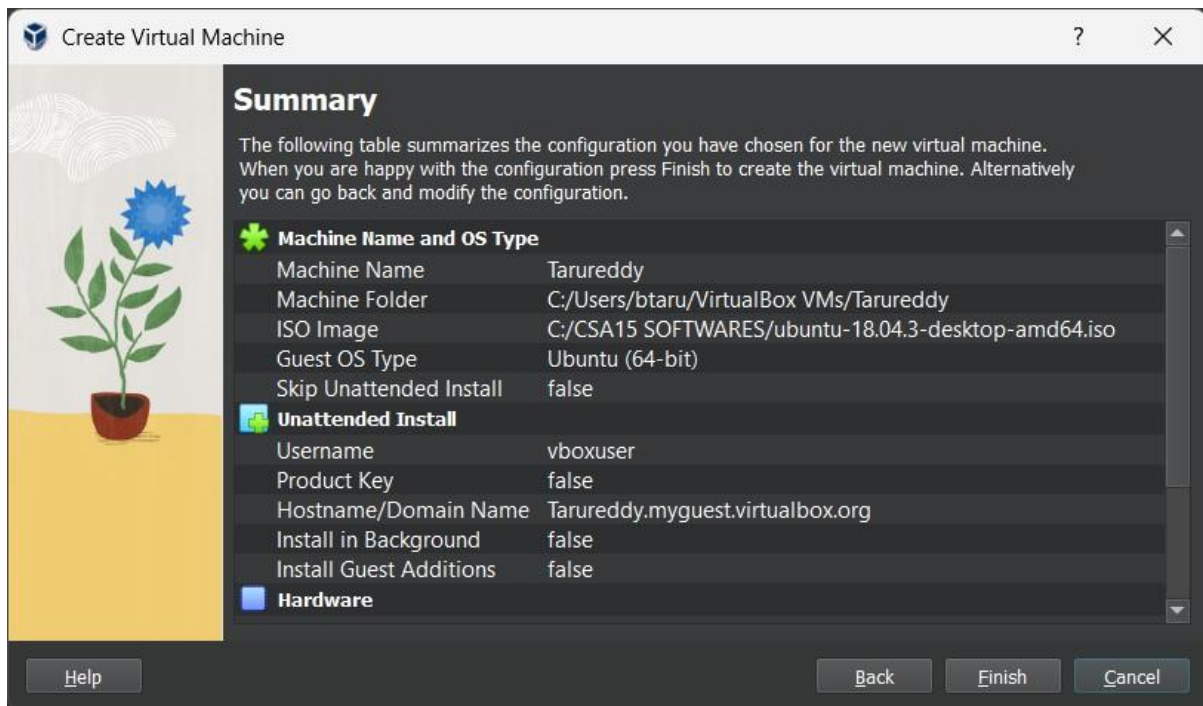
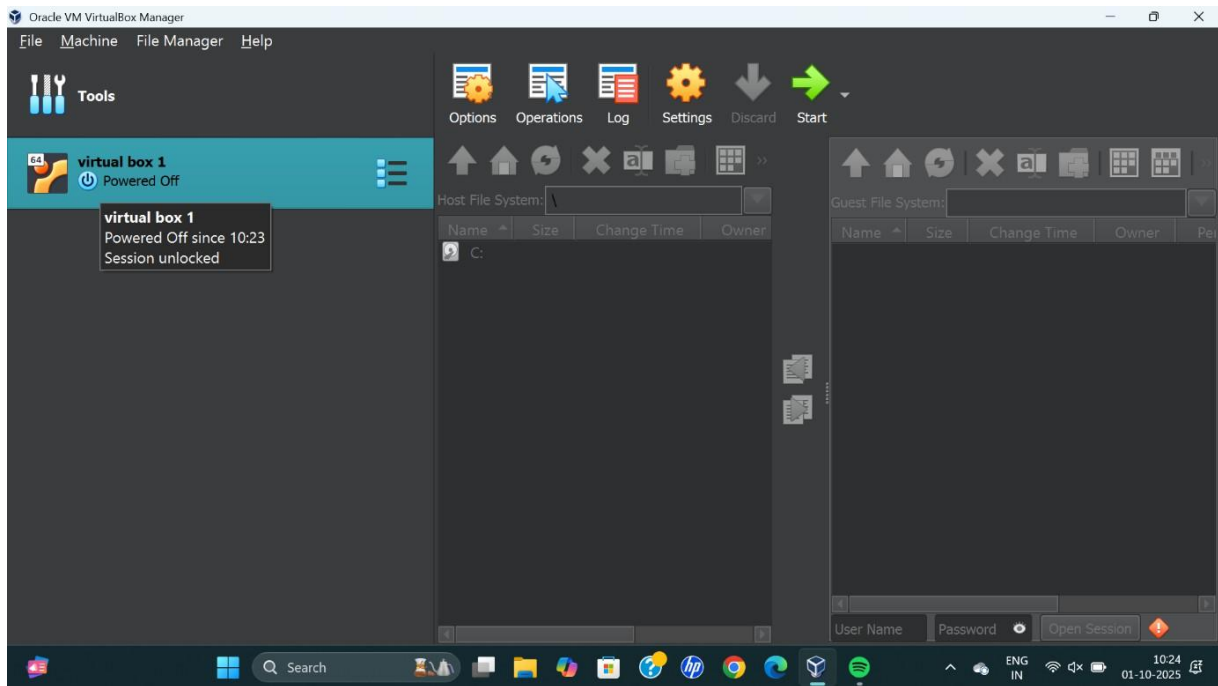
Design:

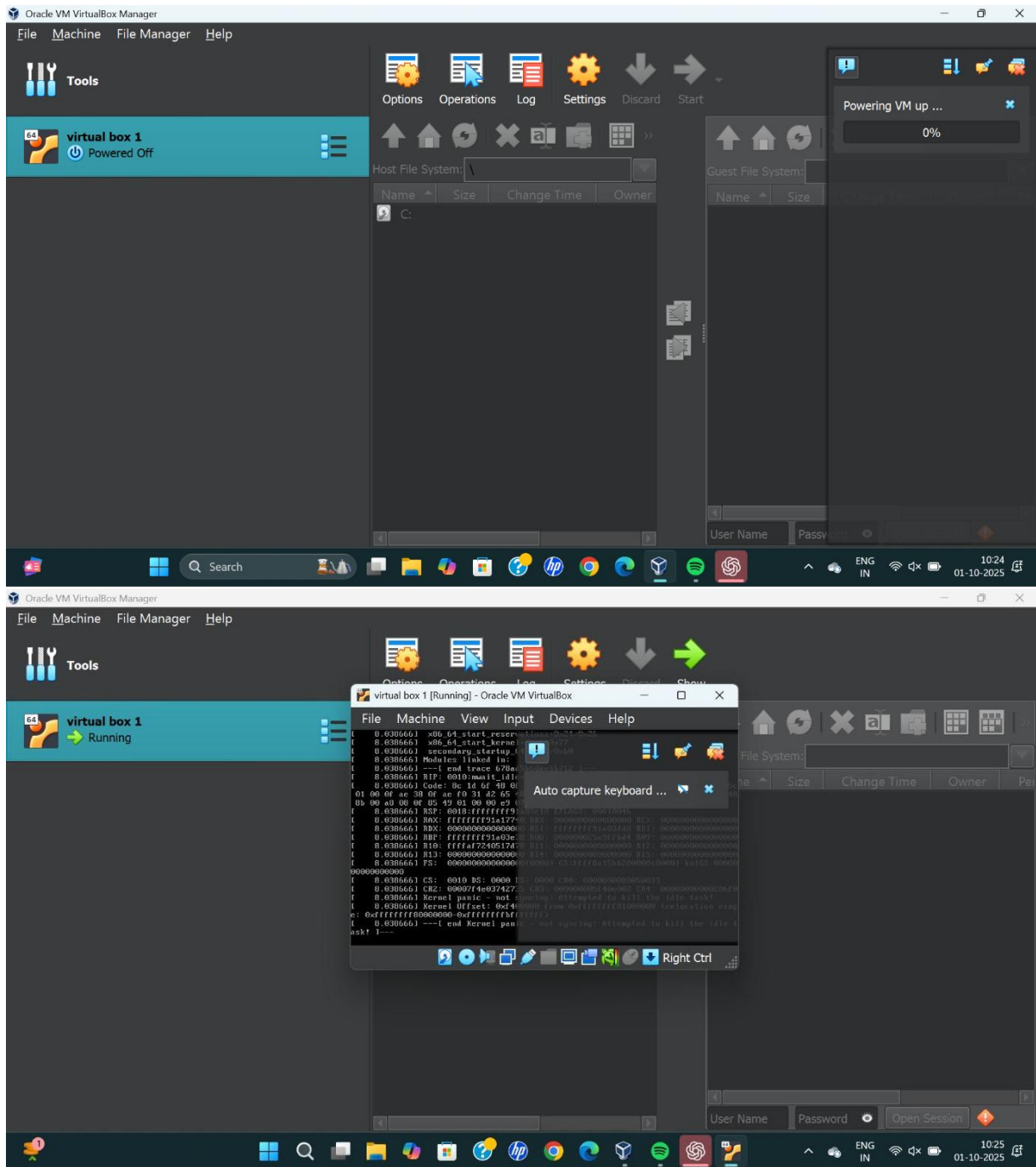




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RESULT:

Virtualization was successfully demonstrated using Oracle VirtualBox (Type-2 Hypervisor) by creating and configuring a Virtual Machine with an operating system.