

LAB MANUAL

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

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EXP NO 7. Create a Virtual Machine with 1 CPU, 2GB RAM and 15GB storage disk using a Type 2 Virtualization Software, using virtual box.

DATE:

AIM:

To create a virtual machine with **1 CPU, 2GB RAM, and 15GB storage disk** using a Type-2 virtualization software (VirtualBox).

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.

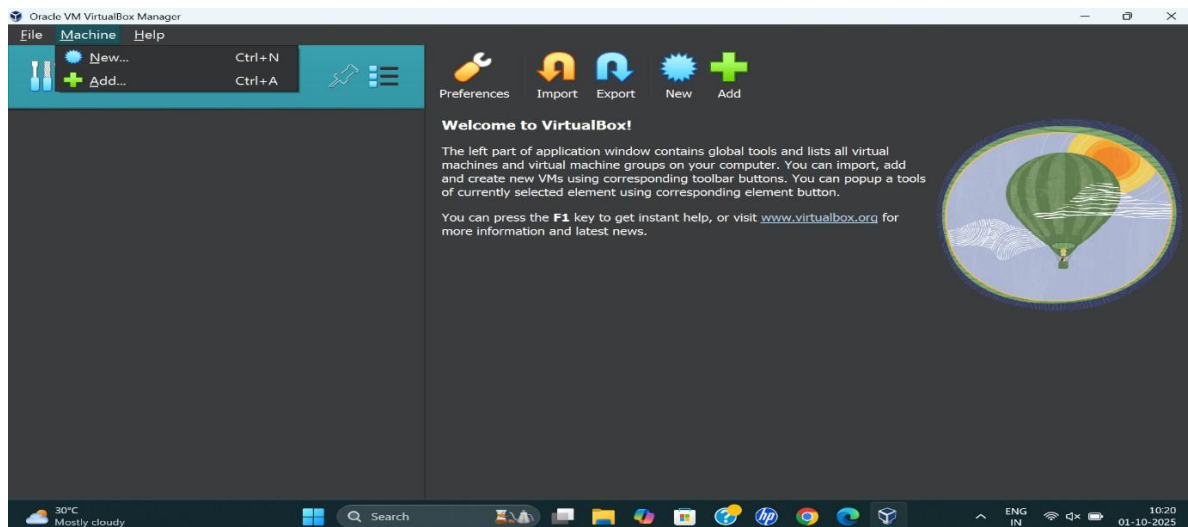
STEP 4: CONFIGURE THE VM

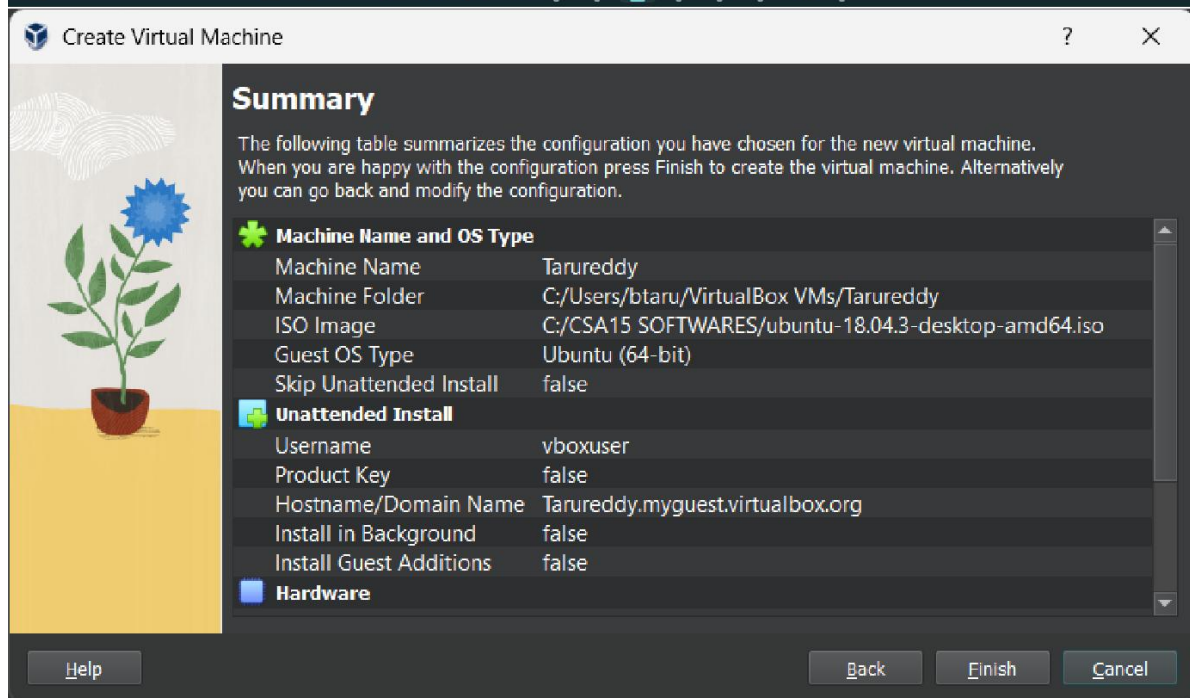
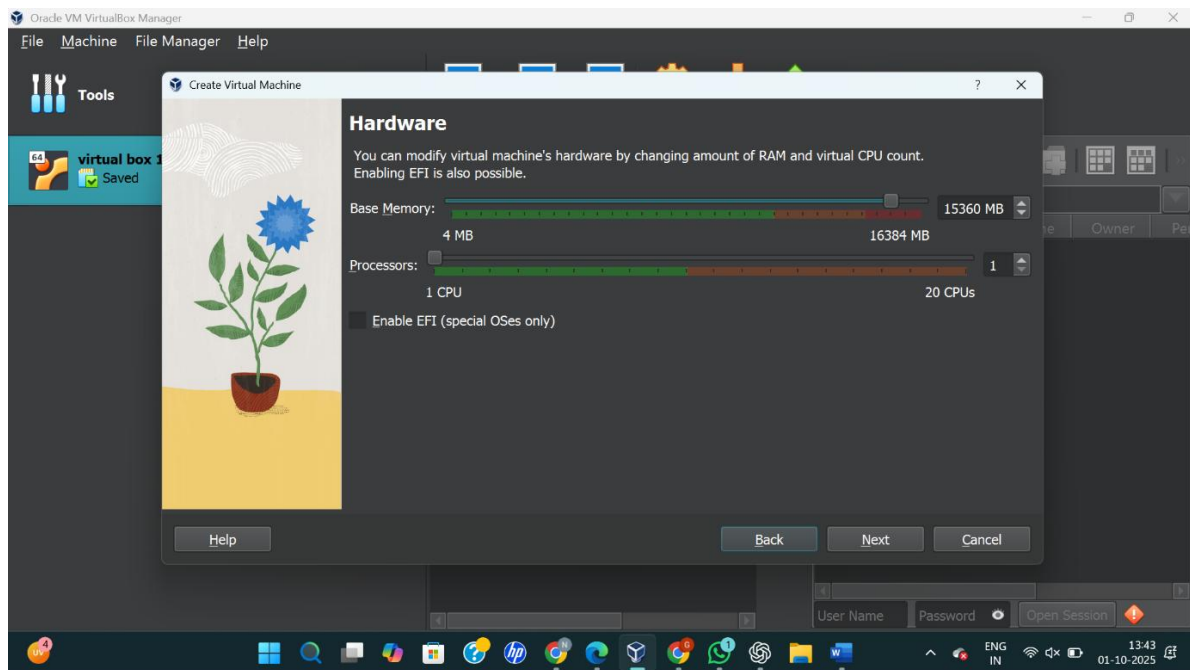
STEP 5: PUT THE PROCESSOR AS 1 AND INCREASE THE MEMORY SIZE AS 15 GB

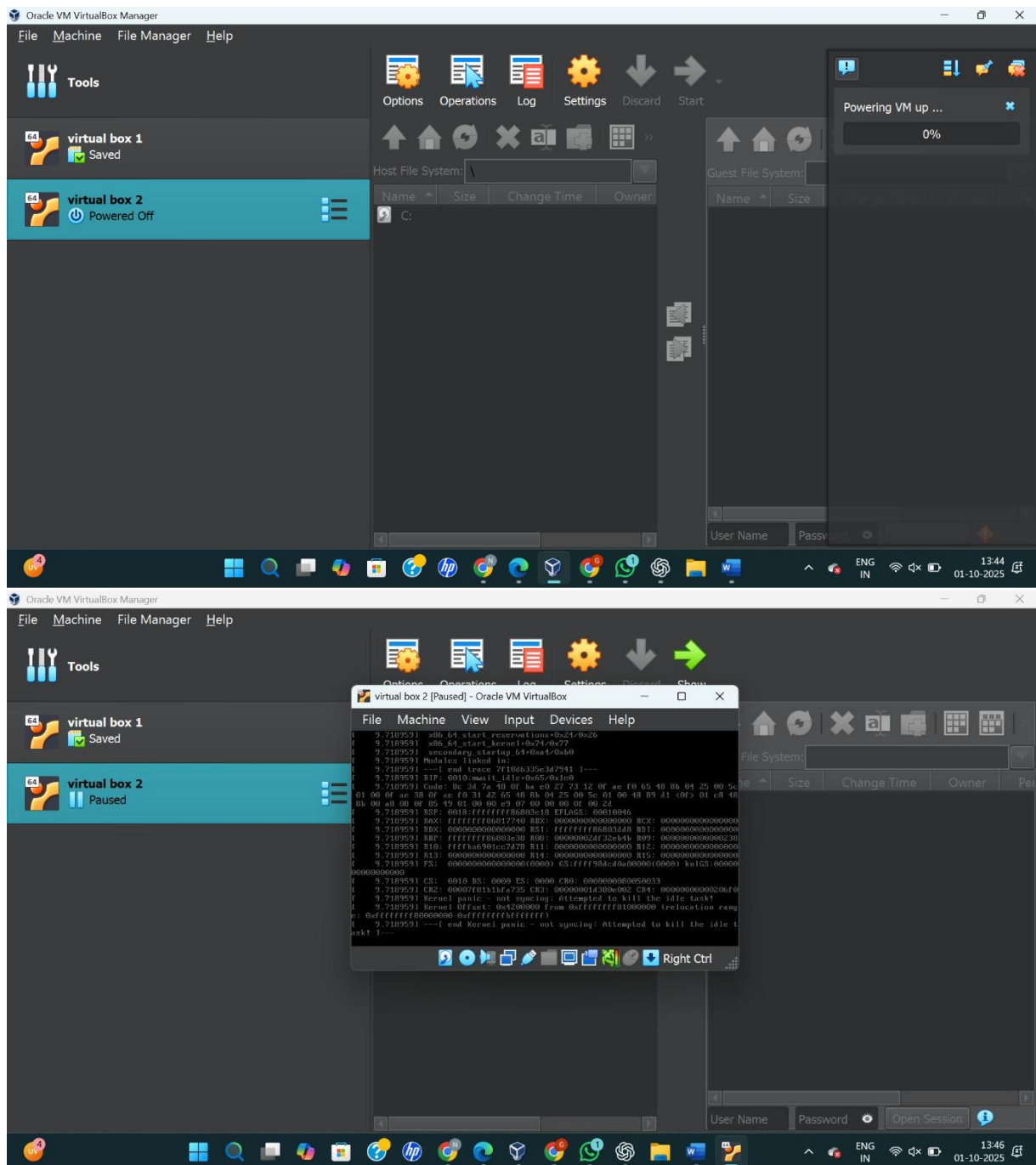
STEP 6: THEN FINISH THE SETUP

DESIGN:

Design:







RESULT:

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