EXP NO 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 compatibility of a virtual machine (either by cloning or creating a new one) which is already created and configured, using Oracle VirtualBox.

PRODEDURE:

STEP 1: Open Oracle VirtualBox and select the already created virtual machine.

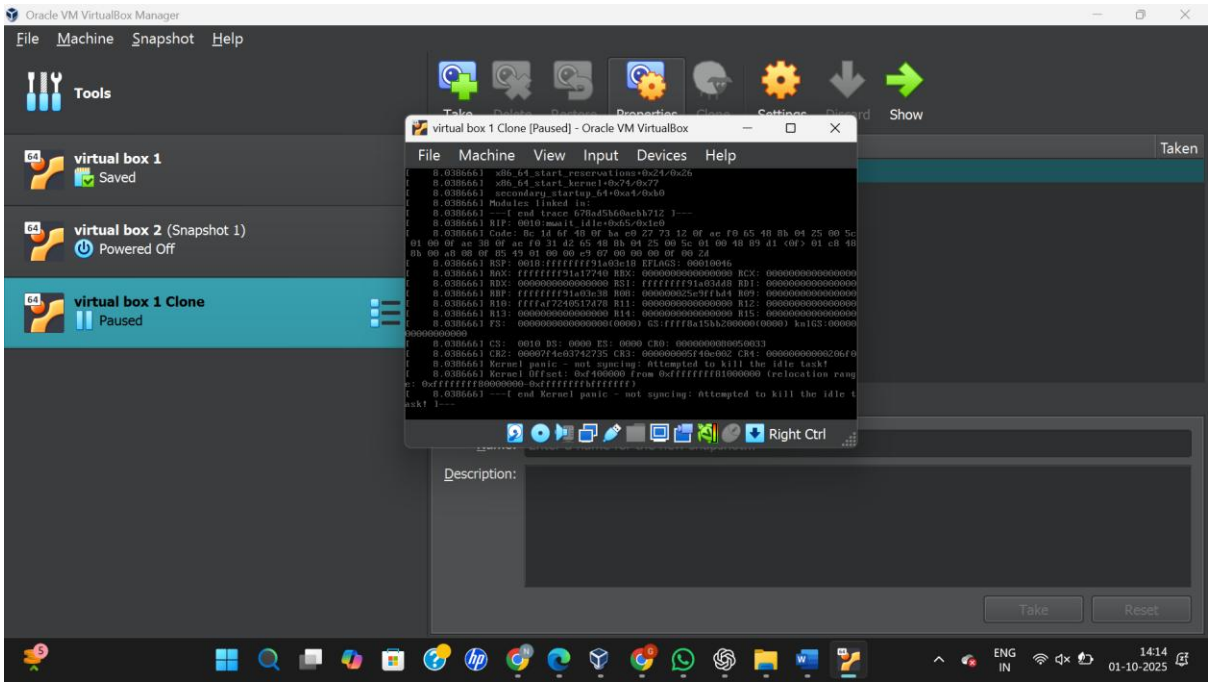
STEP 2: Right-click on the VM → Click Settings.

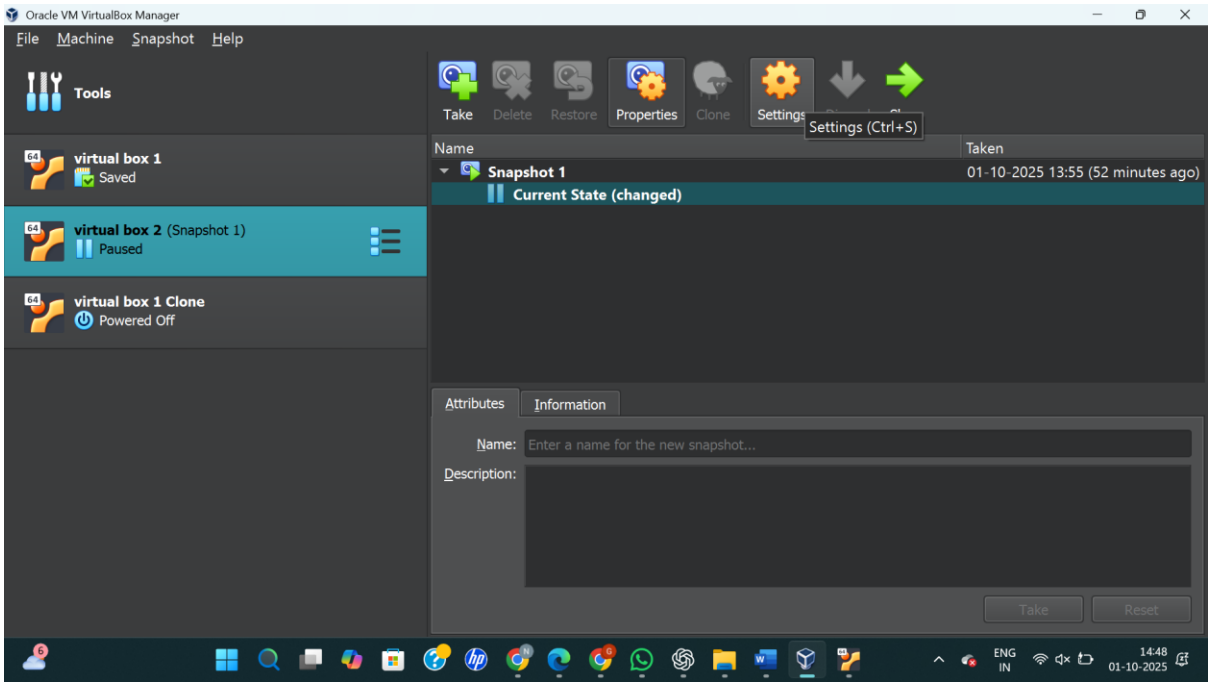
STEP 3: Change the hardware compatibility settings

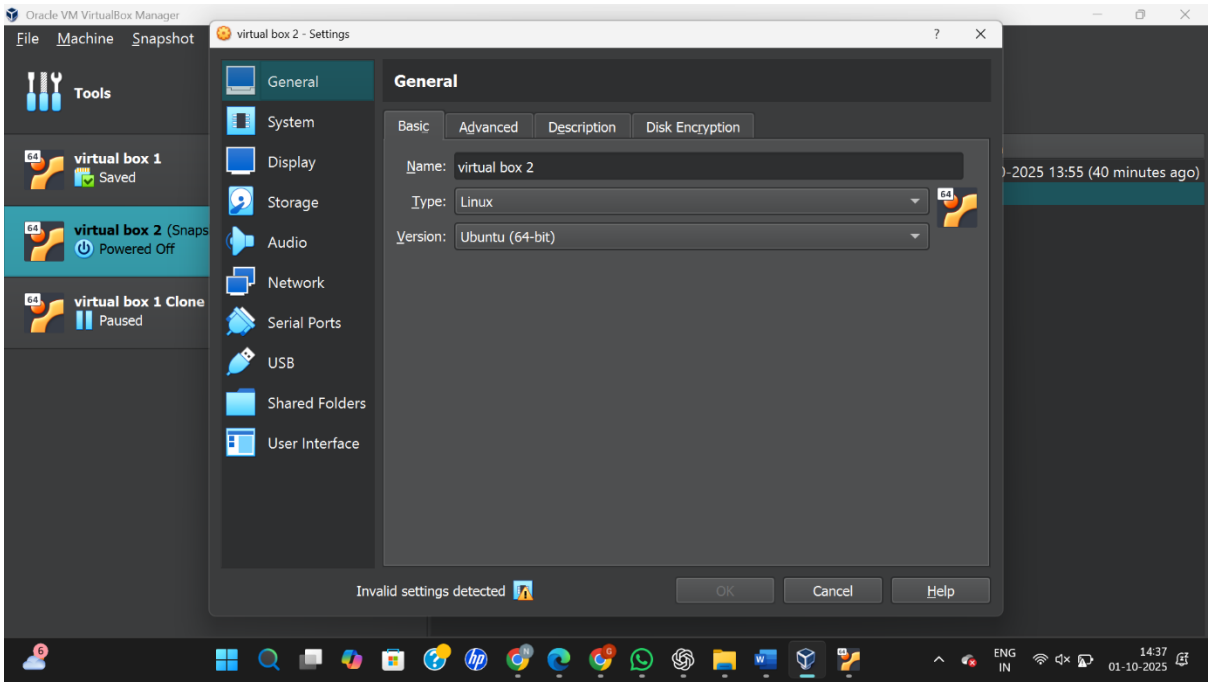
STEP 4: Save the configuration and start the VM.

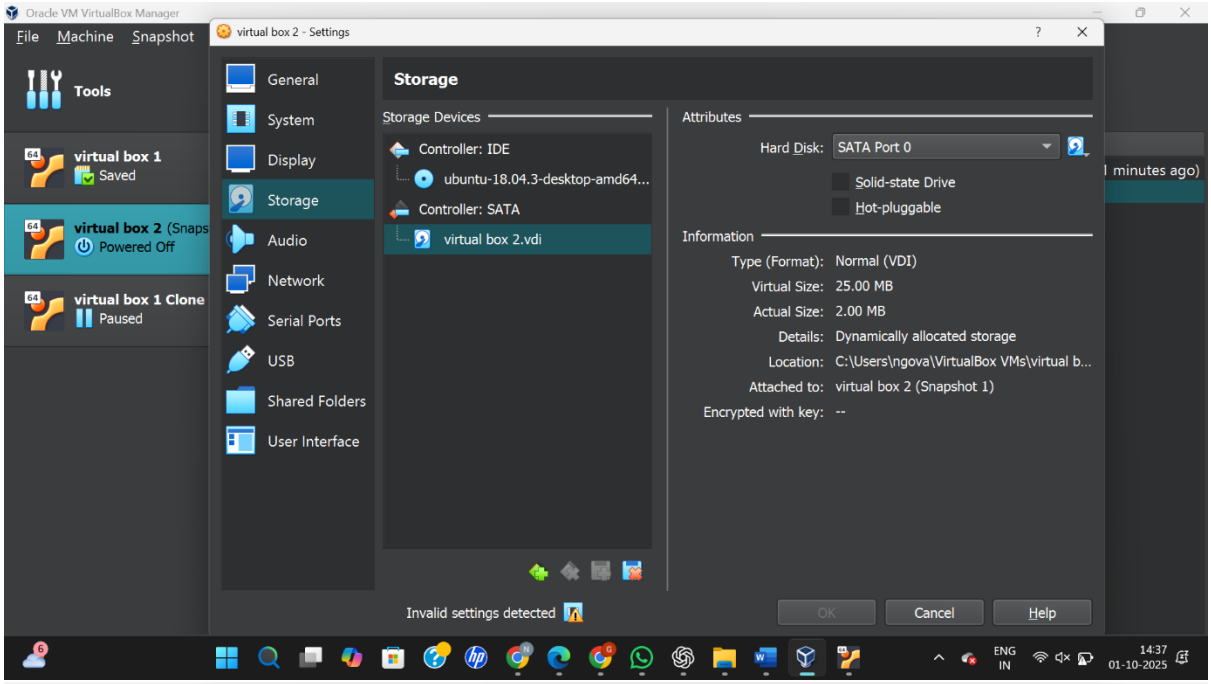
STEP 5: Verify that the VM runs correctly with the updated hardware compatibility

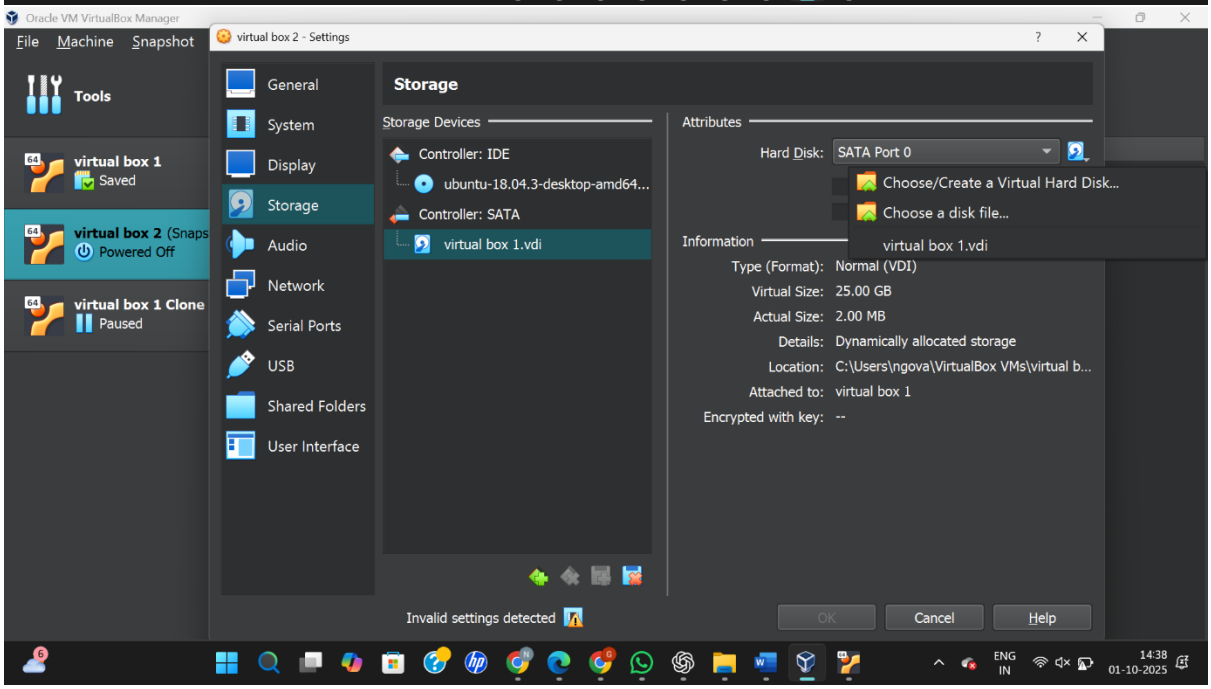
DESIGN:

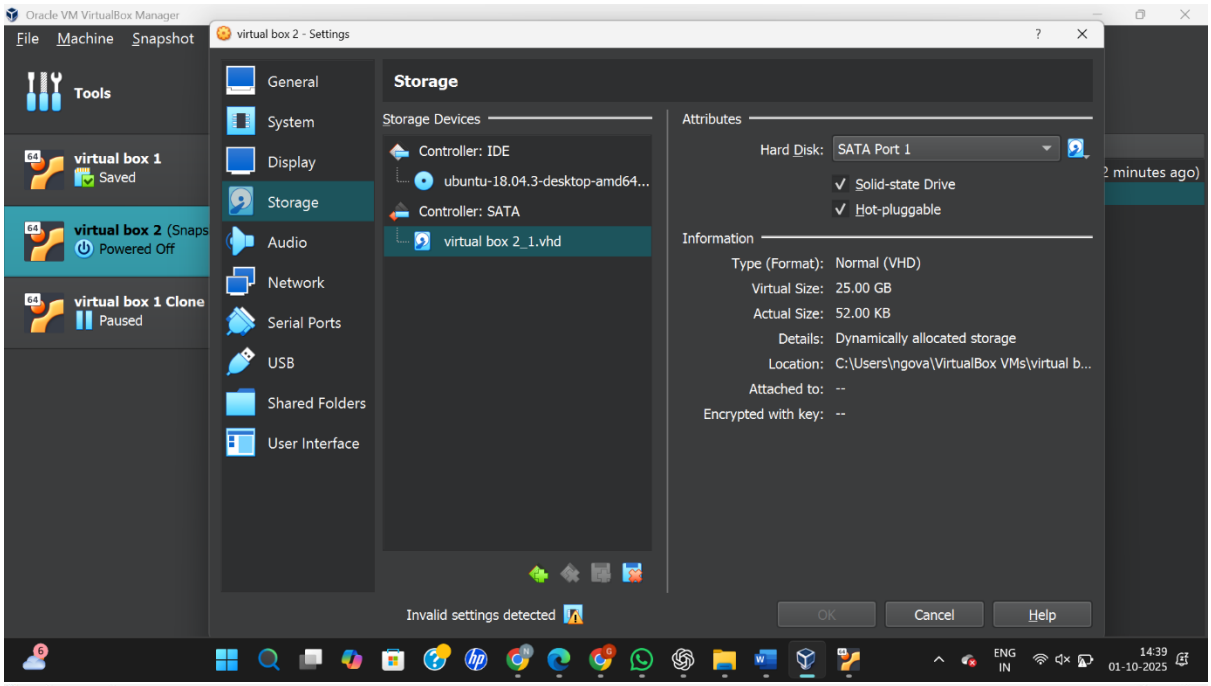


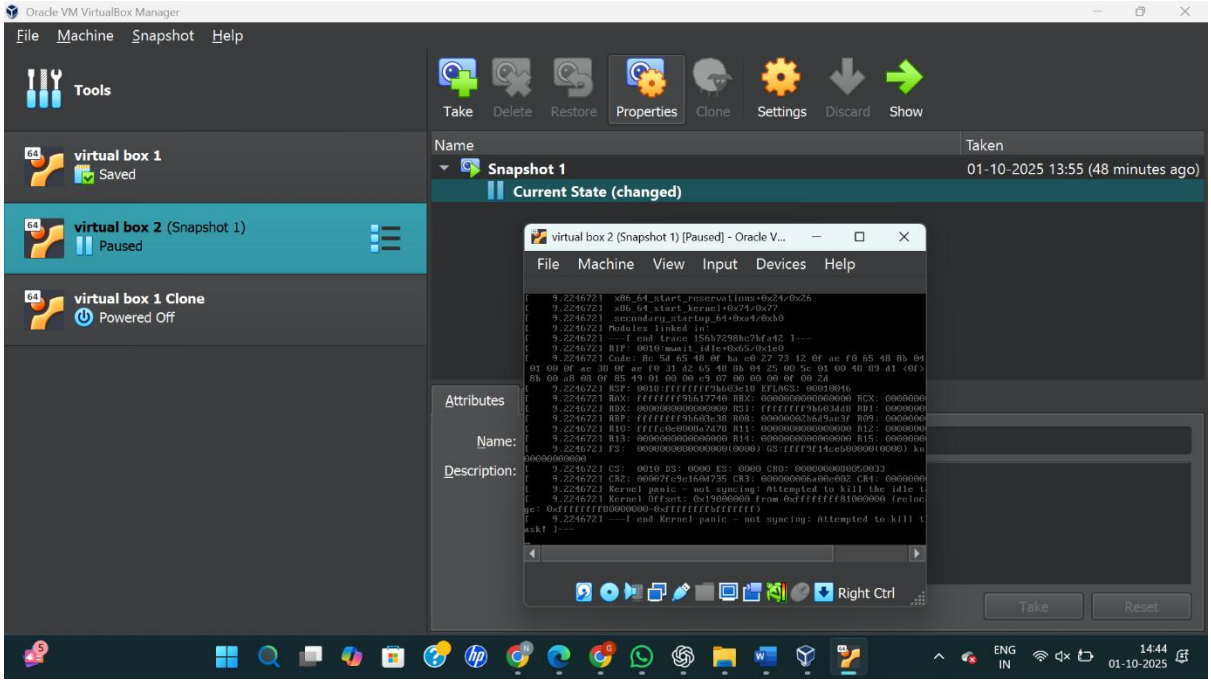

Oracle VM VirtualBox Manager
File Machine Snapshot Help
Tools
virtual box 1
Saved
virtual box 2 (Snapshot 1)
Paused
virtual box 1 Clone
Powered Off
Take
Delete
Restore
Properties
Clone
Settings
Settings (Ctrl+S)
Name
Taken
Snapshot 1
01-10-2025 13:55 (52 minutes ago)
Current State (changed)
Attributes
Information
Name: Enter a name for the new snapshot...
Description:
Take
Reset
ENG
IN
14:48
01-10-2025

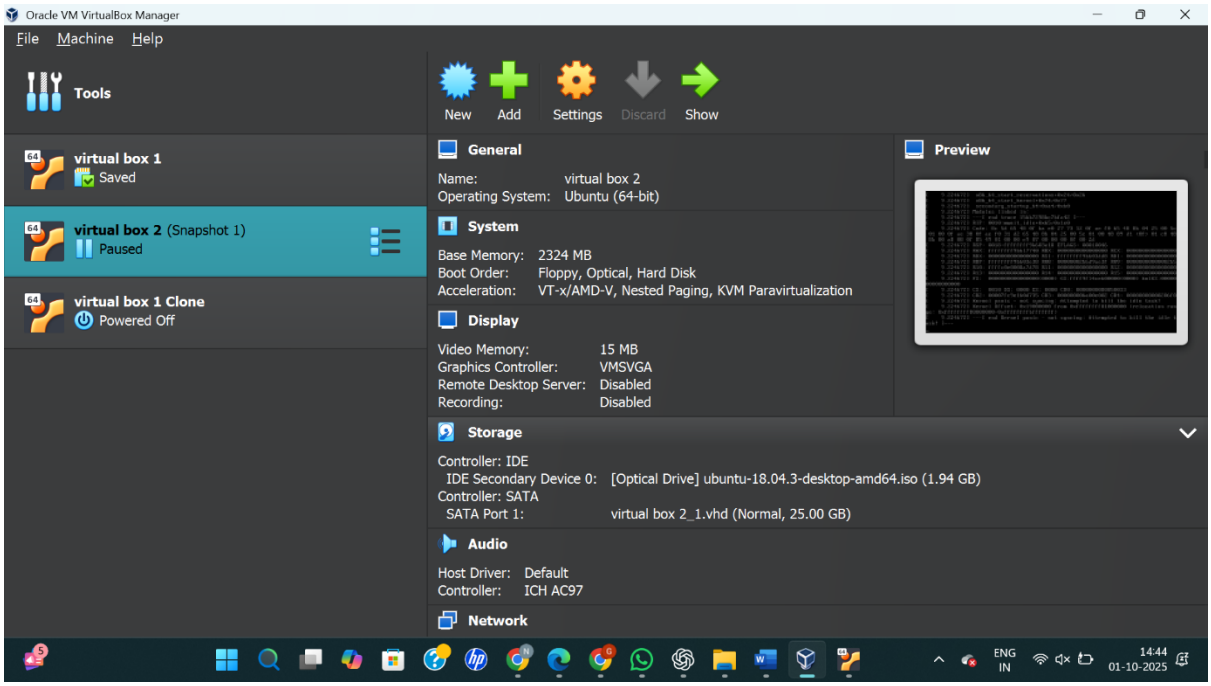

Oracle VM VirtualBox Manager
File Machine Snapshot
virtual box 2 - Settings
Tools
virtual box 1
Saved
virtual box 2 (Snaps
Powered Off
virtual box 1 Clone
Paused
General
System
Display
Storage
Audio
Network
Serial Ports
USB
Shared Folders
User Interface
General
Basic
Advanced
Description
Disk Encryption
Name: virtual box 2
Type: Linux
Version: Ubuntu (64-bit)
Invalid settings detected
OK
Cancel
Help
-2025 13:55 (40 minutes ago)
ENG
IN
14:37
01-10-2025


Oracle VM VirtualBox Manager
File Machine Snapshot
Tools
virtual box 1
Saved
virtual box 2 (Snaps
Powered Off
virtual box 1 Clone
Paused
virtual box 2 - Settings
General
System
Display
Storage
Audio
Network
Serial Ports
USB
Shared Folders
User Interface
Storage
Storage Devices
Controller: IDE
ubuntu-18.04.3-desktop-amd64...
Controller: SATA
virtual box 2.vdi
Attributes
Hard Disk: SATA Port 0
Solid-state Drive
Hot-pluggable
Information
Type (Format): Normal (VDI)
Virtual Size: 25.00 MB
Actual Size: 2.00 MB
Details: Dynamically allocated storage
Location: C:\Users\ngova\VirtualBox VMs\virtual b...
Attached to: virtual box 2 (Snapshot 1)
Encrypted with key: --
Invalid settings detected
OK
Cancel
Help
ENG
IN
14:37
01-10-2025


Oracle VM VirtualBox Manager
File Machine Snapshot
Tools
virtual box 1
Saved
virtual box 2 (Snaps
Powered Off
virtual box 1 Clone
Paused
virtual box 2 - Settings
General
System
Display
Storage
Audio
Network
Serial Ports
USB
Shared Folders
User Interface
Storage
Storage Devices
Controller: IDE
ubuntu-18.04.3-desktop-amd64...
Controller: SATA
virtual box 1.vdi
Attributes
Hard Disk: SATA Port 0
Choose/Create a Virtual Hard Disk...
Choose a disk file...
virtual box 1.vdi
Information
Type (Format): Normal (VDI)
Virtual Size: 25.00 GB
Actual Size: 2.00 MB
Details: Dynamically allocated storage
Location: C:\Users\ngova\VirtualBox VMs\virtual b...
Attached to: virtual box 1
Encrypted with key: --
Invalid settings detected
OK
Cancel
Help
ENG
IN
14:38
01-10-2025


Oracle VM VirtualBox Manager
File Machine Snapshot
Tools
virtual box 1
Saved
virtual box 2 (Snaps
Powered Off
virtual box 1 Clone
Paused
virtual box 2 - Settings
General
System
Display
Storage
Audio
Network
Serial Ports
USB
Shared Folders
User Interface
Storage
Storage Devices
Controller: IDE
ubuntu-18.04.3-desktop-amd64...
Controller: SATA
virtual box 2_1.vhd
Attributes
Hard Disk: SATA Port 1
Solid-state Drive
Hot-pluggable
Information
Type (Format): Normal (VHD)
Virtual Size: 25.00 GB
Actual Size: 52.00 KB
Details: Dynamically allocated storage
Location: C:\Users\ngova\VirtualBox VMs\virtual b...
Attached to: --
Encrypted with key: --
Invalid settings detected
OK
Cancel
Help
ENG
IN
14:39
01-10-2025


Oracle VM VirtualBox Manager
File Machine Snapshot Help
Tools
Take
Delete
Restore
Properties
Clone
Settings
Discard
Show
virtual box 1
Saved
virtual box 2 (Snapshot 1)
Paused
virtual box 1 Clone
Powered Off
Name
Taken
Snapshot 1
01-10-2025 13:55 (48 minutes ago)
Current State (changed)
virtual box 2 (Snapshot 1) [Paused] - Oracle V...
File Machine View Input Devices Help
Attributes
Name:
Description:
Right Ctrl
Take
Reset
ENG
IN
14:44
01-10-2025



RESULT:

The hardware compatibility of the VM was successfully changed by modifying its configuration or cloning it in Oracle VirtualBox.