

Aim: Create a Snapshot & cloning of a VM and Test it by loading the previous Version/cloned VM.

Procedure:

- 1) go & Install Oracle VM virtual Box
- 2) click Machine from Oracle VM Virtual Box Manager.
- 3) select ~~create~~ clone in the Machine options
- 4) opened clone virtual Machine ask about the new machine Name & path & Additional options : disk names hardware UUIDs
- 5) Next Click Next
- 6) Now select clone type
 - 1) Full - exact copy of original VM is created
 - 2) Linked - a. new VM Created
 - If we select this clone then a new snapshot will be created on the original VM as part of cloning process.
- 7) Now ~~select~~ click Finish
- 8) cloning of a VM to create snapshot is created.

- New... Ctrl+N
- Add... Ctrl+A
- Settings... Ctrl+S
- Cloud
- Mount...
- Export to VDI...
- Remove...
- Move to Group
- Start
- Pause
- Reset
- Close
- Tools
- Recent Saved States...
- Show Log... Ctrl+L
- Refresh
- Show in Explorer
- Create Shortcut on Desktop
- Start
- Search Ctrl+F



General

Name: Cloud
Operating System: Windows 10 (64-bit)

System

Base Memory: 2048 MB
Boot (Main): Floppy, Optical, Hard (SATA)
EFI: Enabled
Acceleration: Nested Paging, Hyper-V Paravirtualization

Display

Video Memory: 128 MB
Graphics Controller: VBoxVGA
Remote Desktop Server: Disabled
Recording: Disabled

Storage

Controller: SATA
SATA Port 0: Cloudx66 (Normal, 25.00 GB)
SATA Port 1: [Optical Drive] Empty

Audio

Host Driver: Default
Controller: Intel HD Audio

Network

Adapter 1: Intel PRO/1000 MT Desktop (NAT)

USB

USB Controller: AHCI
Device Filters: 0 (0 active)

Shared folders

None

Description

None

Preview

Cloud



Search



System

Base Memory: 2048 MB
Boot Order: Floppy, Optical, Hard Disk
EFI: Enabled
Acceleration: Nested Paging, Hyper-V Paravirtualization

Clone Virtual Machine



New machine name and path

Please choose a name and optionally a folder for the new virtual machine. The new machine will be a clone of the machine **Cloud**.

Name: Cloud Clone



Path: C:\Users\DERANGULA ASRITHA\VirtualBox VMs

MAC Address Policy: Include only NAT network adapter MAC addresses

- Additional Options:
- ☒ Keep Disk Names
 - ☒ Keep Hardware UUIDs

Help

Expert Mode

Back

Next

Cancel

Go to next wizard page.

USB Controller: xHCI
Device Filters: 0 (0 active)

Shared folders

None

Description

None

System

Base Memory: 2048 MB

Boot Order: Floppy, Optical, Hard Disk

EFI: Enabled

Acceleration: Nested Paging, Hyper-V Paravirtualization

Clone Virtual Machine



Clone type

Please choose the type of clone you wish to create.

If you choose **Full clone**, an exact copy (including all virtual hard disk files) of the original virtual machine will be created.

If you choose **Linked clone**, a new machine will be created, but the virtual hard disk files will be tied to the virtual hard disk files of original machine and you will not be able to move the new virtual machine to a different computer without moving the original as well.

If you create a **Linked clone** then a new snapshot will be created in the original virtual machine as part of the cloning process.

☒ Full clone

☐ Linked clone

Help

Back

Finish

Cancel

USB Controller: xHCI

Device Filters: 0 (0 active)

Shared folders

None

Commit all wizard data.



Tools



Cloud

Powered Off



Cloud Clone (Linked base for Cloud Clone and Cloud Clone Clone)

Powered Off



Cloud Clone Clone

Powered Off



Take



Delete



Restore



Properties



Clone



Settings



Discard



Start

Name

Linked Base for Cloud Clone and Cloud Clone Clone

Current State



Search



Base Memory: 2048 MB
Boot Order: Floppy, Optical, Hard Disk
EFI: Enabled
Acceleration: Nested Paging, Hyper-V Paravirtualization



Clone Virtual Machine



Clone type

Please choose the type of clone you wish to create.

If you choose **Full clone**, an exact copy (including all virtual hard disk files) of the original virtual machine will be created.

If you choose **Linked clone**, a new machine will be created, but the virtual hard disk files will be tied to the virtual hard disk files of original machine and you will not be able to move the new virtual machine to a different computer without moving the original as well.

If you create a **Linked clone** then a new snapshot will be created in the original virtual machine as part of the cloning process.

- ☐ Full clone
- ☒ Linked clone

Help

Back

Finish

Cancel

USB Controller: xHCI
Device Filters: 0 (0 active)



Shared folders

None

Tools

Cloud

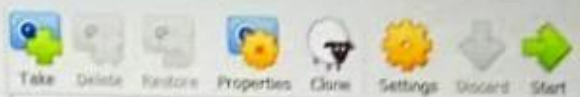
Powered Off

Cloud Clone (Linked Base for Cloud Clone and Cloud Clone Clone)

Powered Off

Cloud Clone Clone

Powered Off



Name

Current State



Search



ENG



10:33

10-08-2023



Output Results:

- cloning of vm is successful using oracle VM virtual Box
- Snapshot of previous (original) + created cloning vm is compared.



Tools



Cloud

Powered Off



Cloud Clone (Linked Base for Cloud Clone and Cloud Clone Clone)

Powered Off



Cloud Clone Clone

Powered Off



Take



Delete



Restore



Properties



Clone



Settings



Discard



Start

Name



Current State



Search



ENG

IN



11:33

