

VIRTUAL MACHINE:

Virtual Machine (VM) is a digital version of a physical computer. Virtual machine software can run programs and operating systems, store data, connect to network and do other computing function and require maintenance such as update and system monitoring.

STEPS TO CREATE VIRTUAL MACHINE

- Step 1: Open a Browser (Microsoft Edge)
- Step 2: Type a Virtual box on search box, download and Install Virtualbox in website.
(<https://www.virtualbox.org/>) Click Oracle Virtual box base package 7.0.10
- Step 3: In this Oracle Virtual Box of Version 7.0.10, In that Oracle VM Virtual Box slide are want to install windows Installer is 64 bit.
- Step 4: Click finish to close the Installer and open the Virtual Box.
- Step 5: Get into the Downloaded Virtual Box.
- Step 6: Create a new Virtual Machine click on the "New" button in the Virtual Box Manager window to create a new Virtual Machine.
- Step 7: Name the Virtual machine and click next. Virtual box will automatically suggest the type and Version of the OS used in the Virtual Machine by using the Name.

Step 8: set the VM's available memory and click Next. This will vary depending on your system. Use 32 GB of RAM. So we can assign 8 GB (8192 MB) to the VM.

Step 9: Select a new virtual hard disk for the VM and click create. This will start the process of creating a file that will hold the VM's system.

Step 10: Memory (RAM) allocation choose the amount of RAM you want to allocate to the virtual machine make sure it's within the recommended range to ensure smooth performance.

Step 11: Allocate Memory

This depends on how much memory you have on your host computer. Never allocate more than half of your available RAM.

Step 12: Click the Next Button specify the size of the virtual hard drive. The default 50 GB is suitable for installation and light application, but the size will depend on the application and files you want to store in the drive.

Step 13: Now the configuration you have chosen for the VM is displayed and modification can be done by clicking back button or else click finish.

Step 14 : Now the Virtual Machine is created shrink and extension

the provision of decreasing the volume of the given VM is not possible. In simple words, shrinking cannot be done in Virtual Box.

Expansion or Enlargement is possible that is the increase of the volume of given VM can be done.