

Setup VM Box

- Required for Devops practise
- Install VM box
- Virtualization helps to run multiple OS on single hardware VM machine.
- VM box - oracle VM box,
- Download the oracle VM box from site

<https://www.virtualbox.org>

- VM box - site → download of VM → Windows hosts.
- Start the installation → next.. Finish

Next → Creating the Image

- Open VM box from Program files
- Click on new, go through the wizard
- Output - Image created

Next → Mapping the image (OS) to VM box

- Download the OS - Centos (RHEL)

<https://www.centos.org>

- Map the downloaded copy of image to VM box
- Select The Image → settings → storage → Disk button → showing the image OS (downloaded OS copy)

Next → Installing the Centos OS

- Select the image, click on start in VM box
- Timer runs, before it ends, hit on ESC key on keyboard
- We get "boot:"

linux text

- It helps to install centos in CUI format -

- Press enter
[X] - its already configured

[!] - we have to set the configuration -- Target to configure it.

[] - optional

- Checked with 9 options - whatever it was required I done it.
- Wait until a message that says " installation is complete" press return "
- Then PC will restart

Next → verify if the installation is successfully.

- Login into Image, os using below id

Id root

Password enter the password that was given at the
time of installation.

- Shutdown

== We are done with VM box setup ==

Step 1: indentify your network - wired or wireless

step 2. Right click on the network connection that is identified and select the option "Open Netwok and Sharing Center", it will open new window.

step 3: In new windows, look for the option, "Change Adapter Settings" and then click on it.

Step 4 : Identification

Wired --> Realtek

Wireless --> Dell Wireless

Step 5 : In VM Box, Please select the image that is required , & click on settings, it will open a window, in that , select "Network"

- Make sure we check the option Enable Network Adapter
- Attached to should be Bridged Adapter
- Select "Name" based on the network Connection Type(wired or Wireless)
- Then expand "Advanced", then change the value of "Promiscuous mode" to Allow All
- Make sure that "Cable connected" is checked whether it is a wired or wireless connection.

Step 6 : Start the Image(Linux), and login into PC

Step 7 : enter command to activate the network, # nmtui

- we will get a window, --> select "Activate a Connection"
- Make sure that we activate it.
- Quit from nmtui window.

Step 8 : to get IP address use command, # hostname -I

or

ip addr show

....

....

identify network adapter(enp0s3) --> inet value

or

ifconfig

note: to install this # yum install net-tools