Setting up Ubuntu machine within VMBOX

Download Oracle VMBOX (as per your OS) from

https://www.virtualbox.org/wiki/Downloads

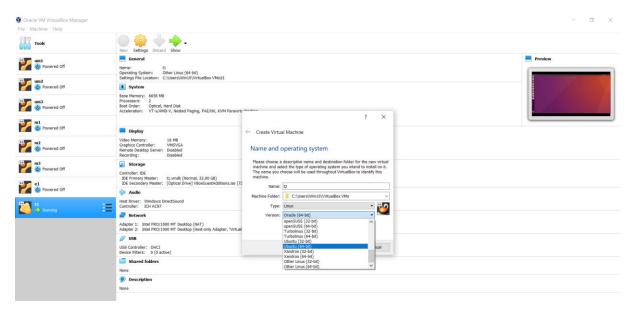
Download ubuntu 16.04 disc image iso (amd64-desktop image) from

http://releases.ubuntu.com/16.04/

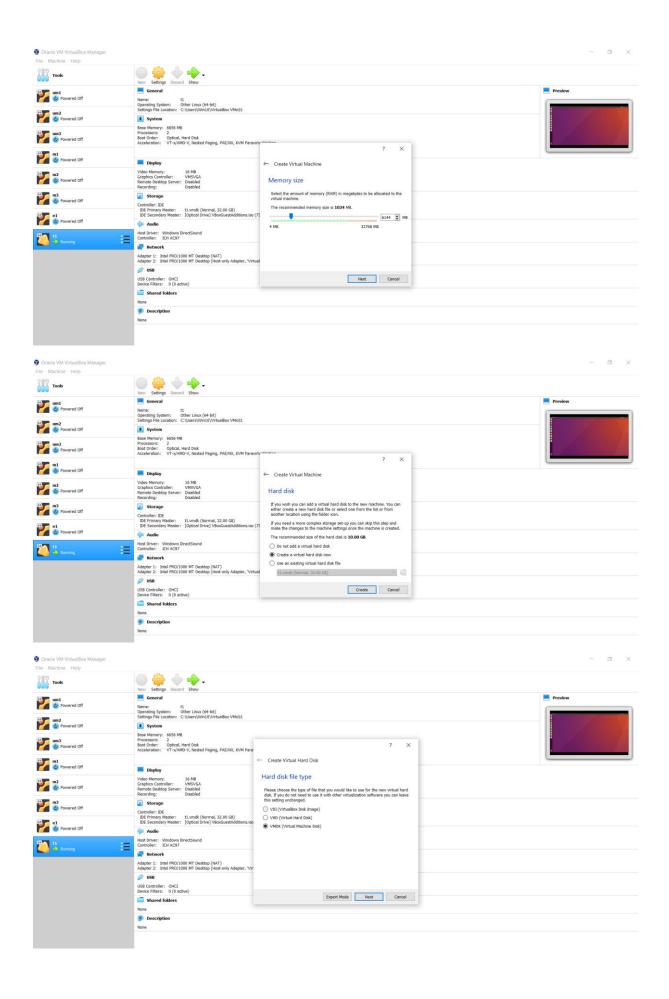
Adding an empty machine to VMBOX

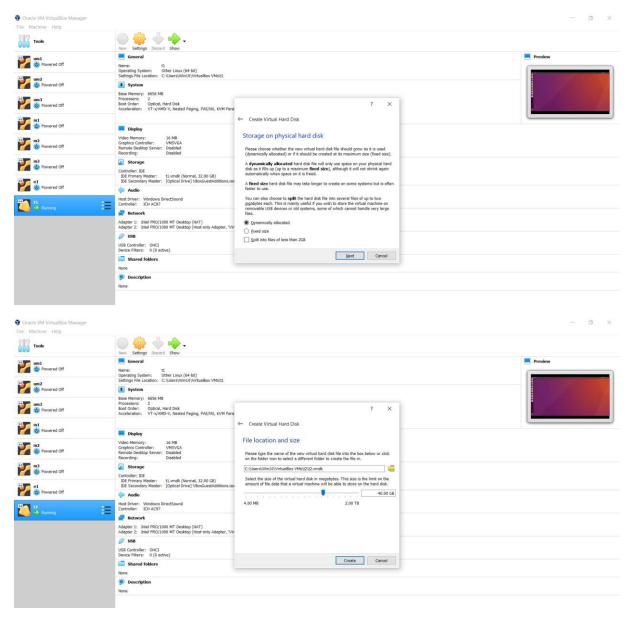
Open VMBOX > click on new



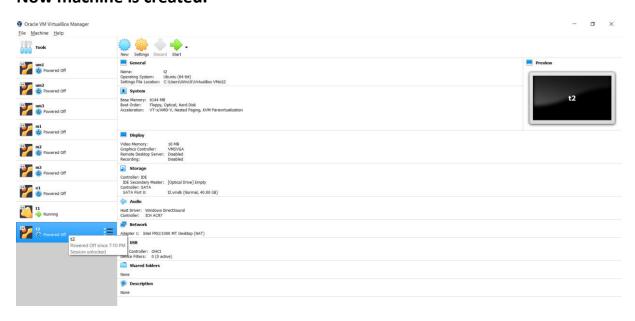


Choose ram as per your machine's configuration





Now machine is created.

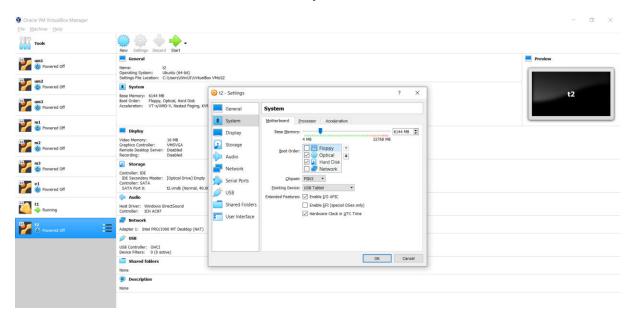


Changing settings for your newly added machine to install Ubuntu.

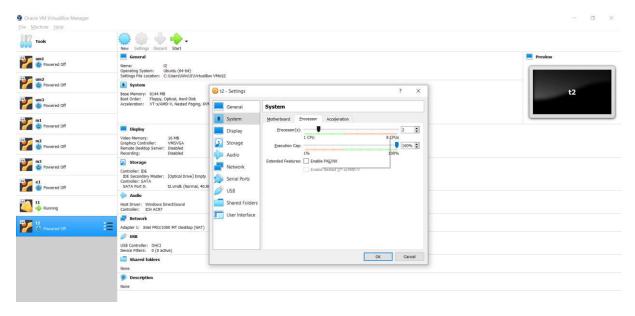


System > Motherboard (tab) > uncheck Floppy

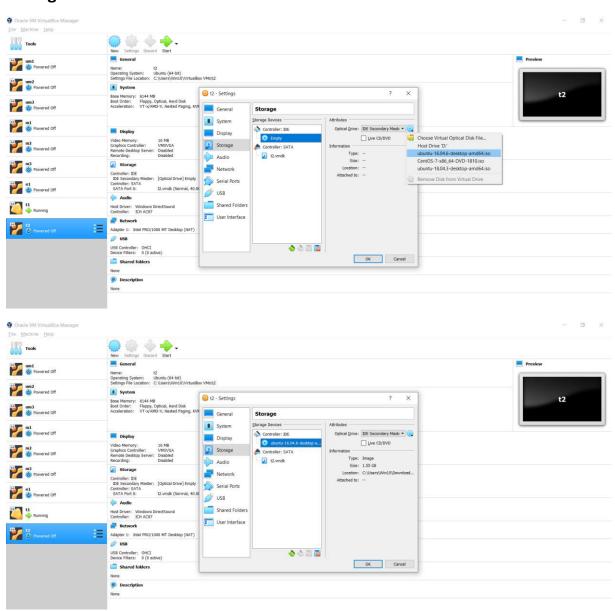
>increase/decrease ram



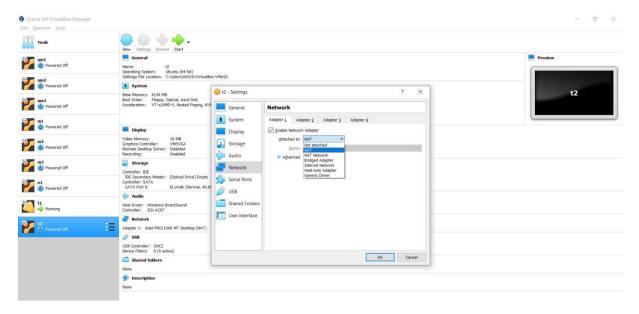
> Processor > increase/decrease CPU



Storage >



Network >



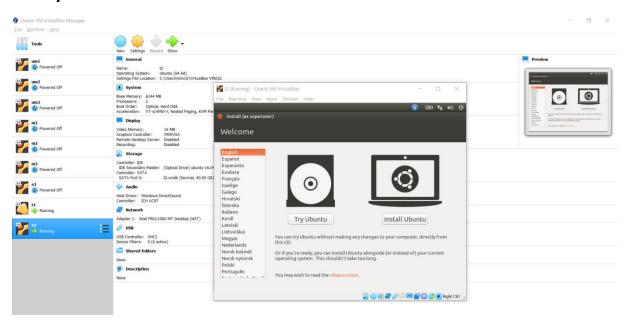
We can use

- 1. NAT (if we intend to use only one machine)
- 2. BRDIGED ADAPTER (if we want each machine to have a different IP Address)
- 3. Or (NAT + Host Only Adapter)

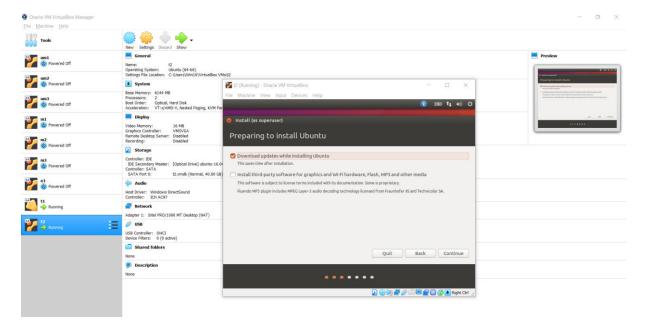
Note** For Host Only Adapter, there are additional steps required. Scroll to the end of document and look for section "using host only adapter"

For now, I will use NAT

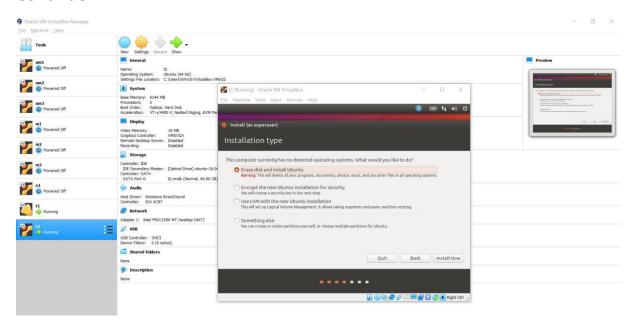
Start your machine...



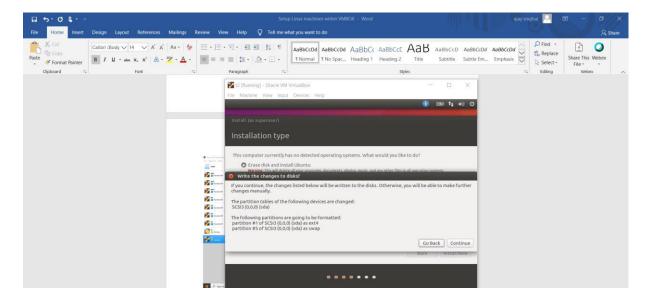
Click on Install Ubuntu



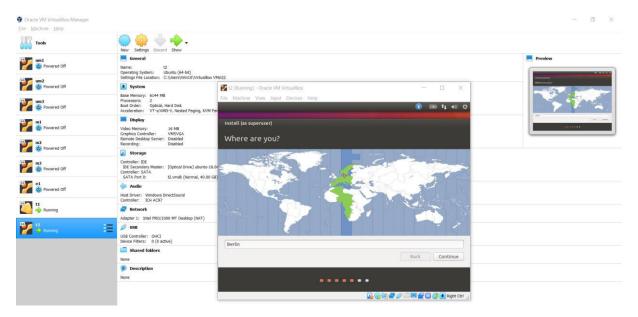
Continue



Install now

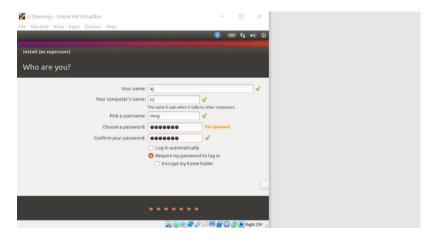


Continue



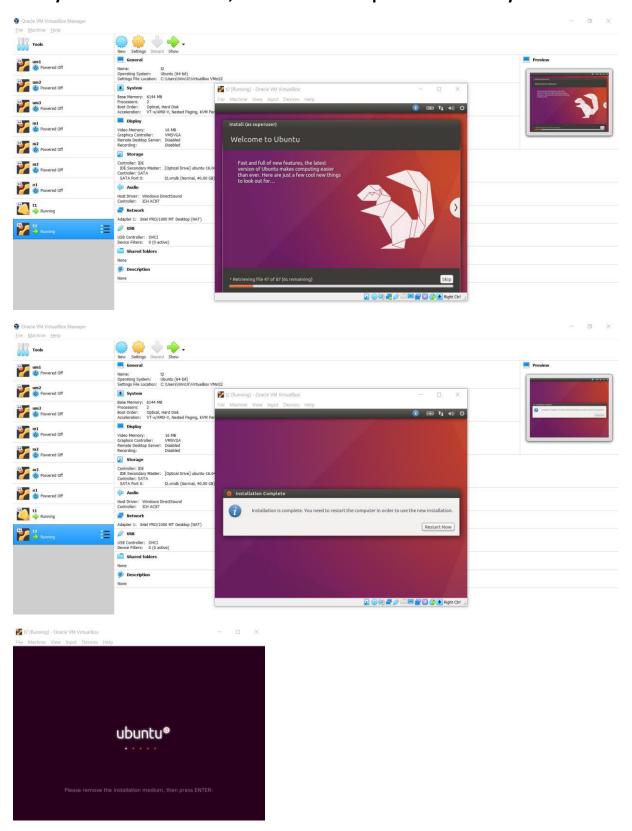
Continue

On screen when it shows languages, hit <tab> for 5 times + <enter>



Give details and hit <tab> for 4 times + <enter>

Now your installation starts, wait for it to complete and restart your machine.



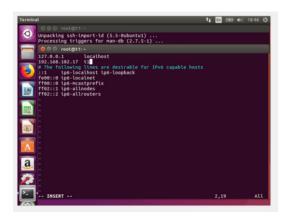
Once machine is restarted...follow the steps below to "Setup Ubuntu Linux within Oracle VMBOX"

Login as root - "sudo su"

\$ifconfig (to check your ipaddress)



Update /etc/hosts for host to IP resolution (if you don't have a DNS) vi /etc/hosts

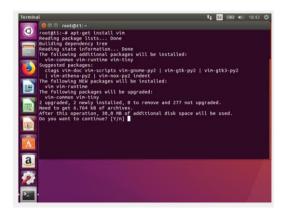


<esc>

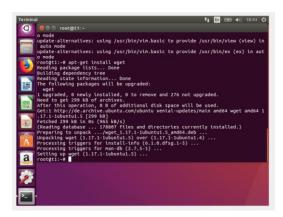
<shift+:+wq>

Install Packages

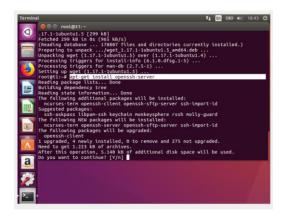
vim



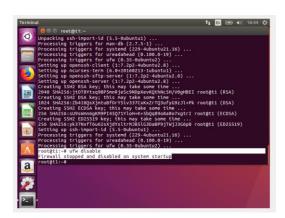
wget



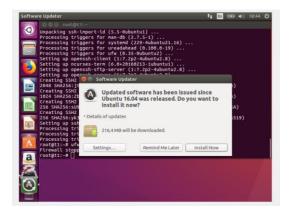
openssh-server



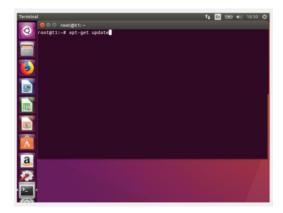
Disable firewall



Update Packages

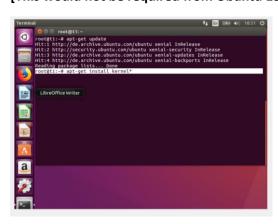


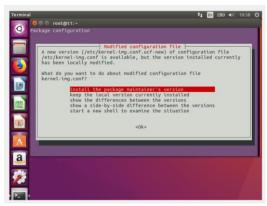
Once done,



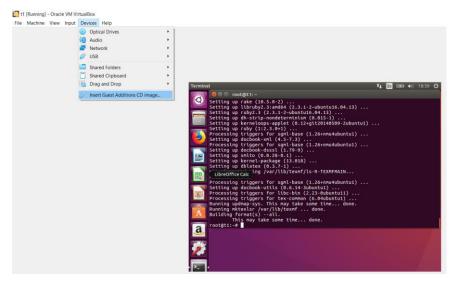
Now let's install packages for kernel to make your screen full screen.

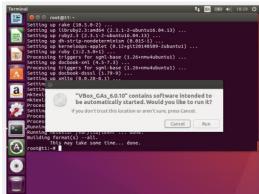
[This would not be required from Ubuntu 18.x onwards]

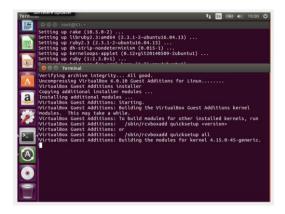




Once done, Now let's add the Guest Addition

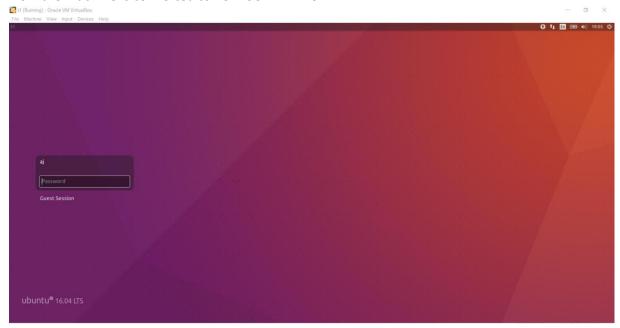






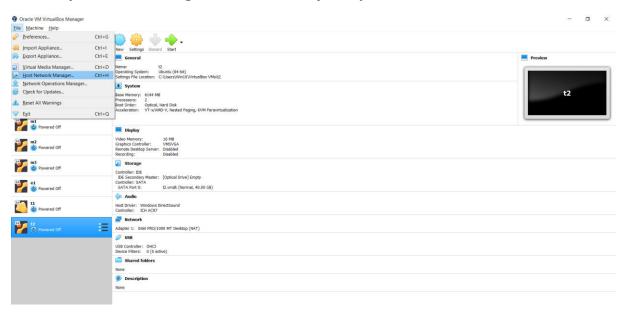
Wait for this to complete and then Restart your machine.

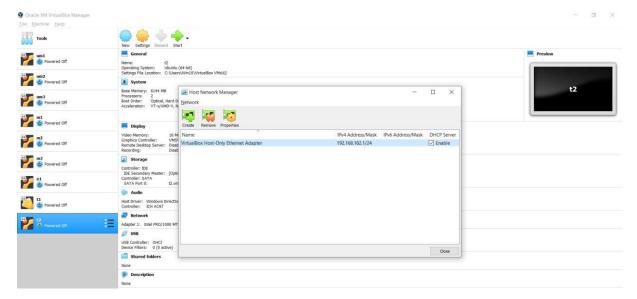
Now the machine is converted to FULL SCREEN MODE



Using host only adapter

To setup network using NAT + Host Only Adapter.





If it shows as in above screen, select it and click on remove.

Click on create

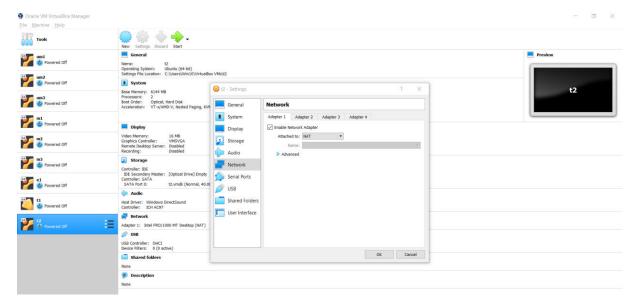


Note** In my case, there was an Adapter thus it created one more.

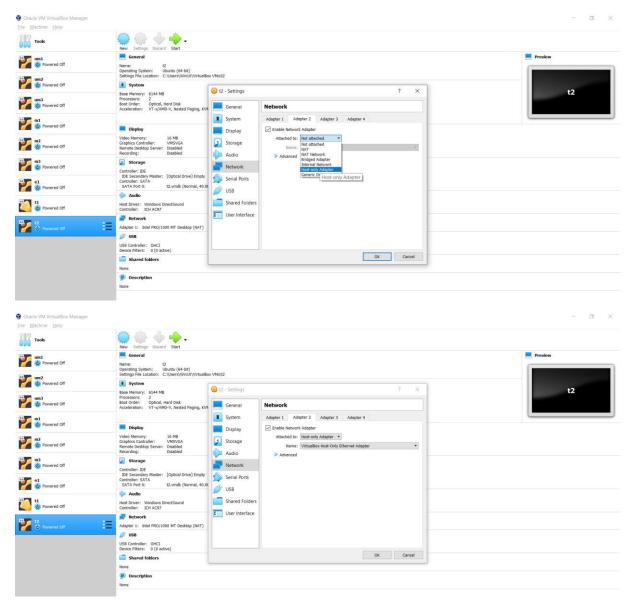
Enable the host only adapter created.

Now for your machine

Let your Adapter 1 be NAT



Adapter 2



<ok>

When machine is restarted, check your Ip-addresses using 'ipconfig'.

Its should now show NAT and Host Only Adapter based, Ip-Addresses.