Machine Minimum Requirements:

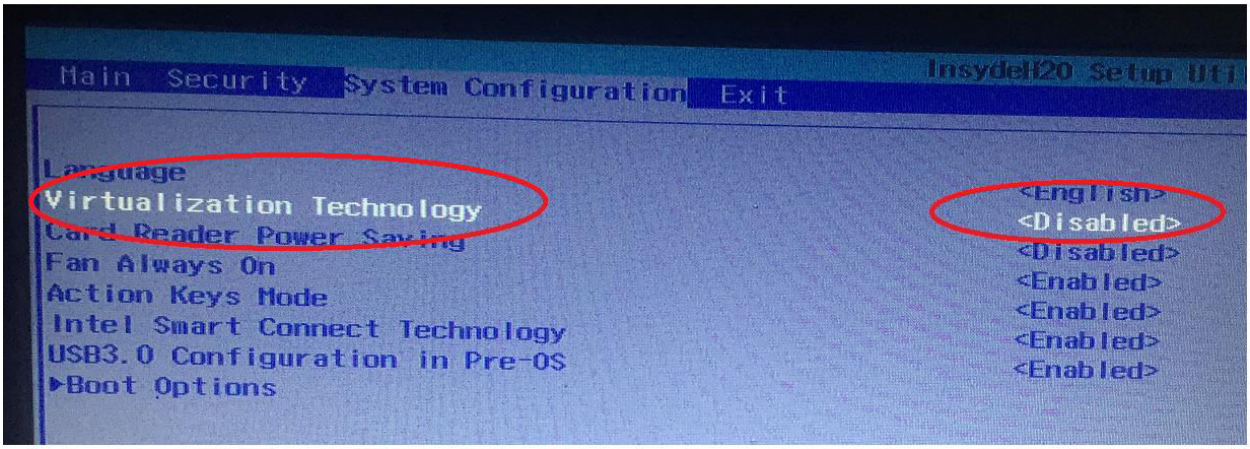
CPU : 64 BiT macine. **OS** : 64 Bit Windows OS **RAM** : At least 8 GB RAM (We suggest 16GB for smooth run)

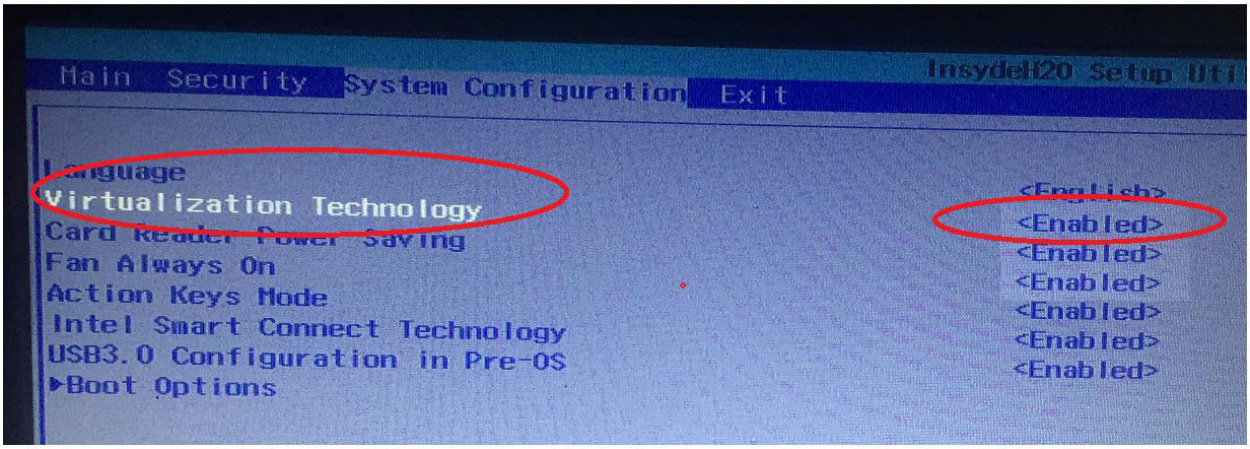
Enabling Virtualization in BIOS

Host OS must be able to Support Hardware Virtualization. (In next step, you will get to know how to enable Virtualization enabled. It might already be enabled on your machine.

Step 1: Go to your windows machine Bios setting and enable the virtualization as shown in below. (Your machine could have little different way to do this)

To enter in BIOS, while starting your machine use F10 key (Its for my HP Laptop, you can find according to your machine)

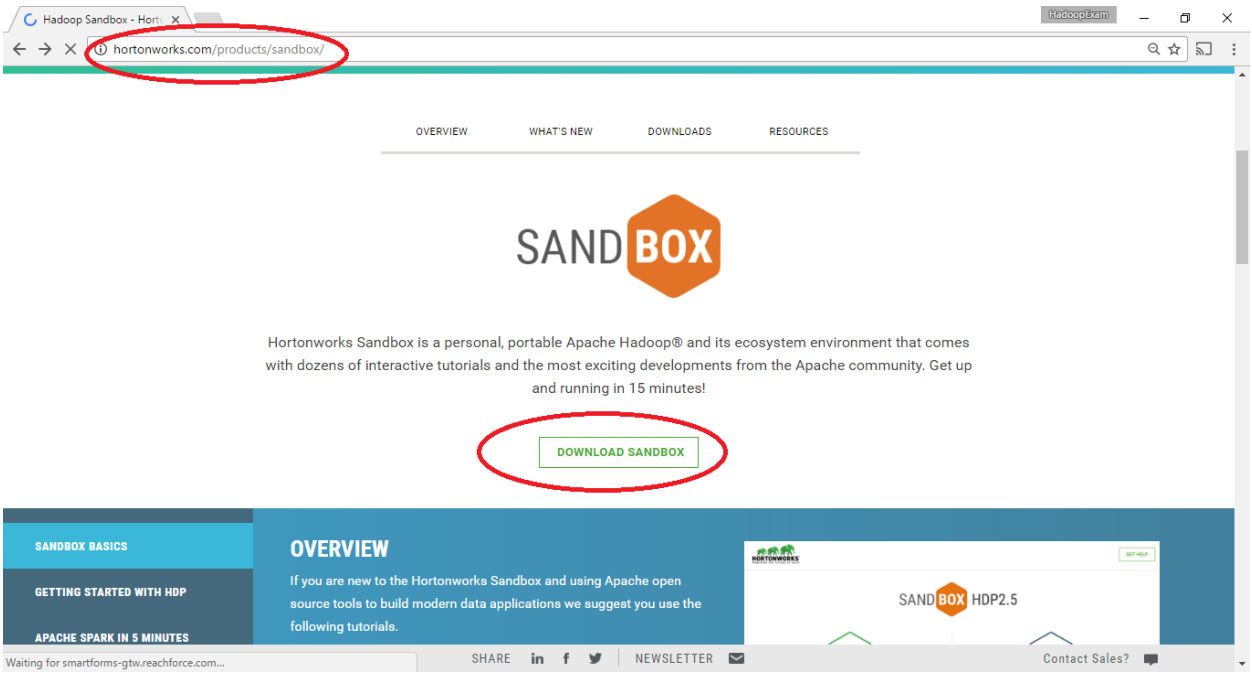




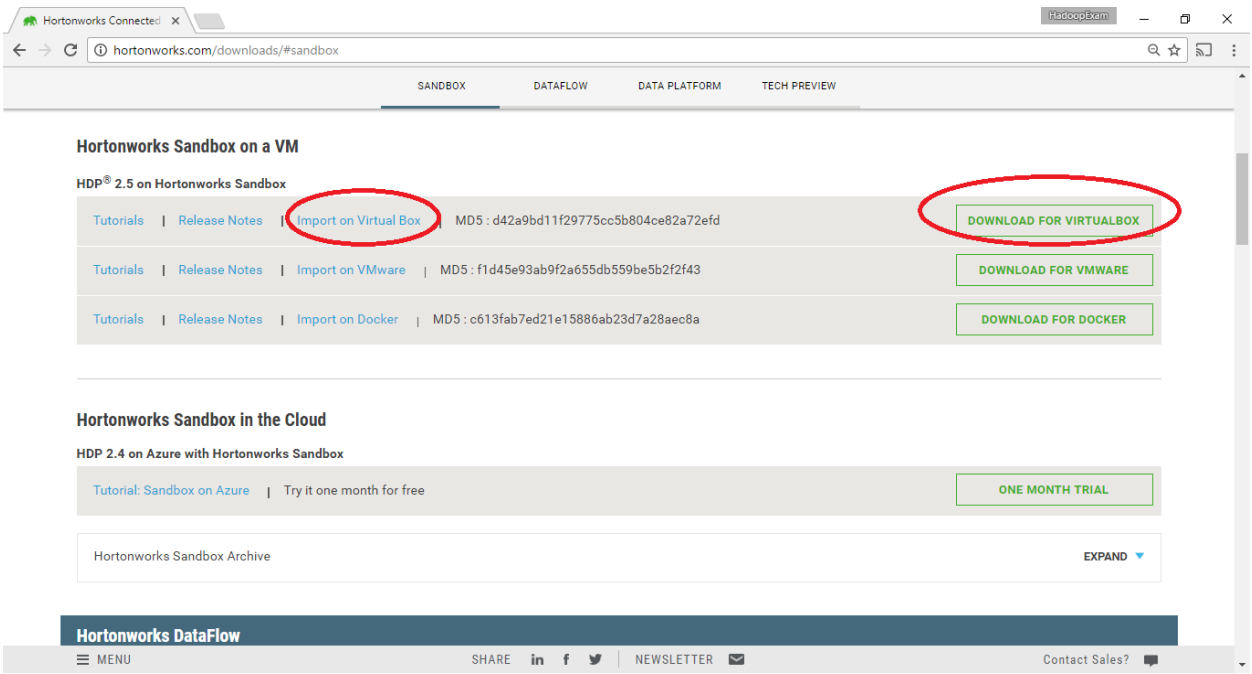
Download Hortonworks Sanbox

Step 2: Download Hortonworks Sandbox for windows from below location

http://hortonworks.com/products/sandbox/

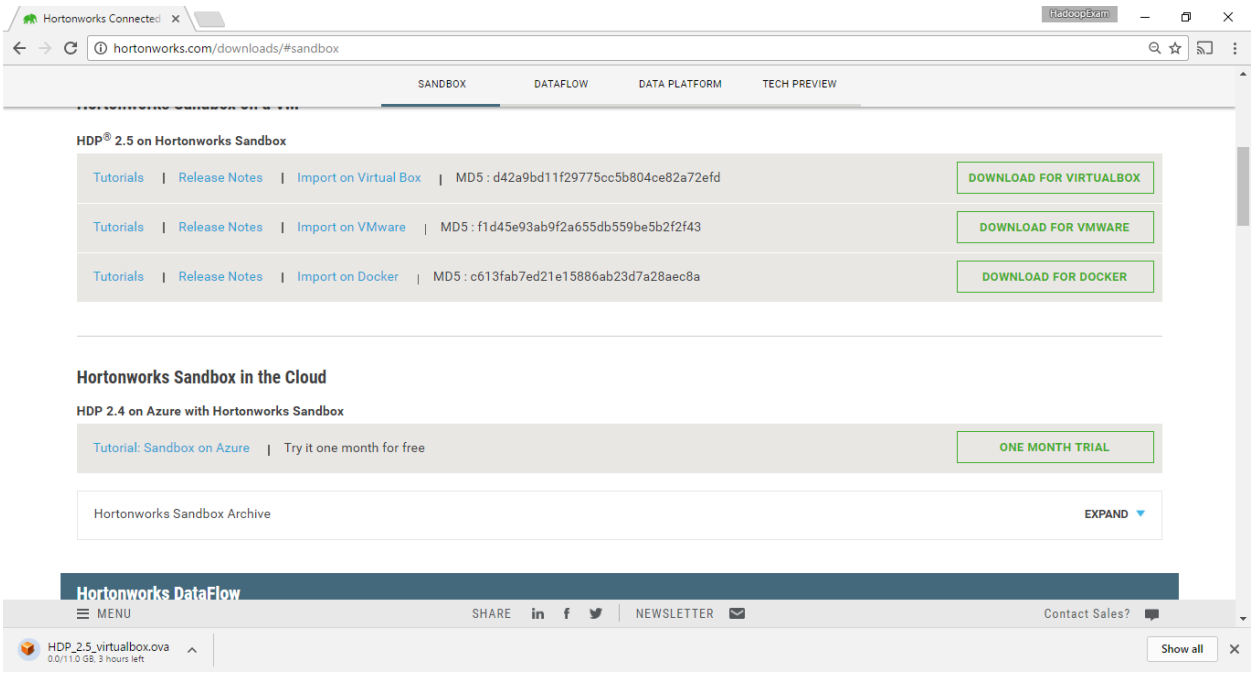


Step 3: Select VM for Windows (Make sure you download only for VirtualBox, its huge image take long time to download)



Step 4: Fill in the form and start downloading. It is an 11 GB file.

Name: **HDP_2.5_virtualbox.ova**

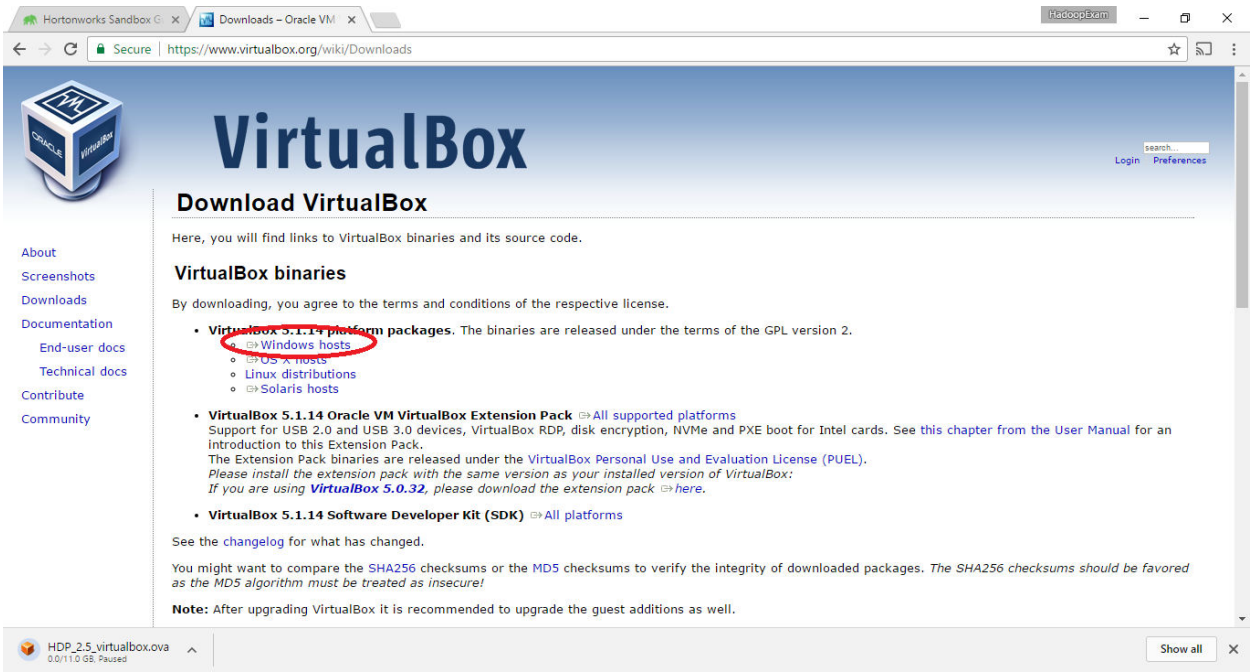


Download the Oracle Virtual Box

Step 5: Now Download the Oracle Virtual Box

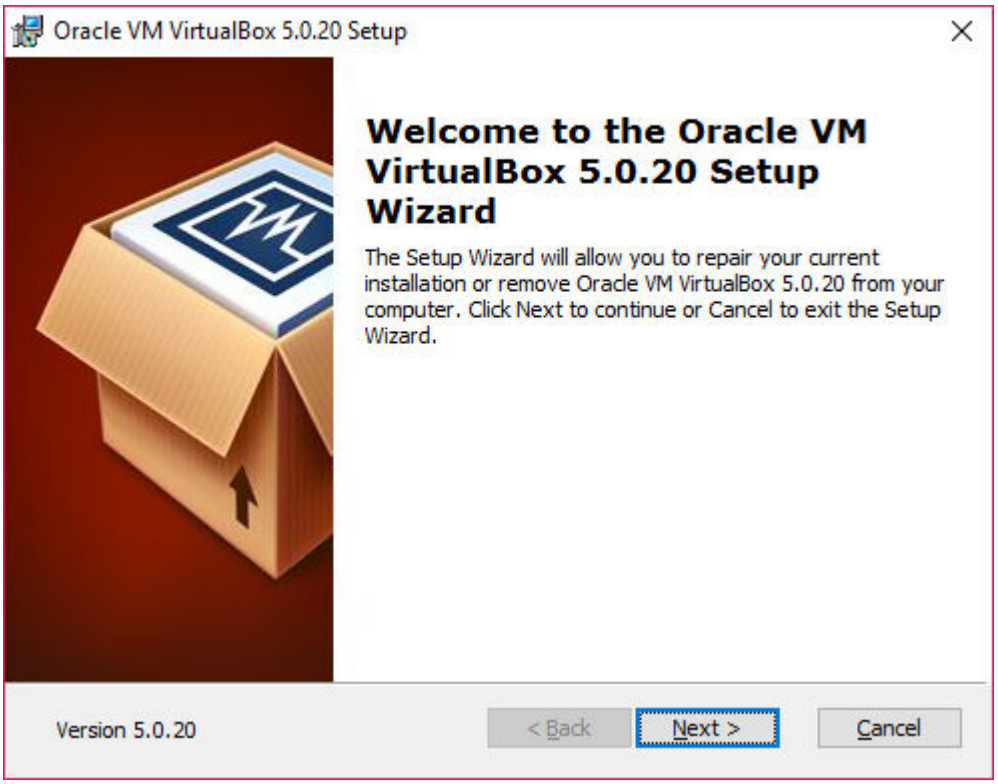
URL: https://www.virtualbox.org/wiki/Downloads

Name: VirtualBox-5.1.14-112924-Win.exe (It could be different as per latest version)



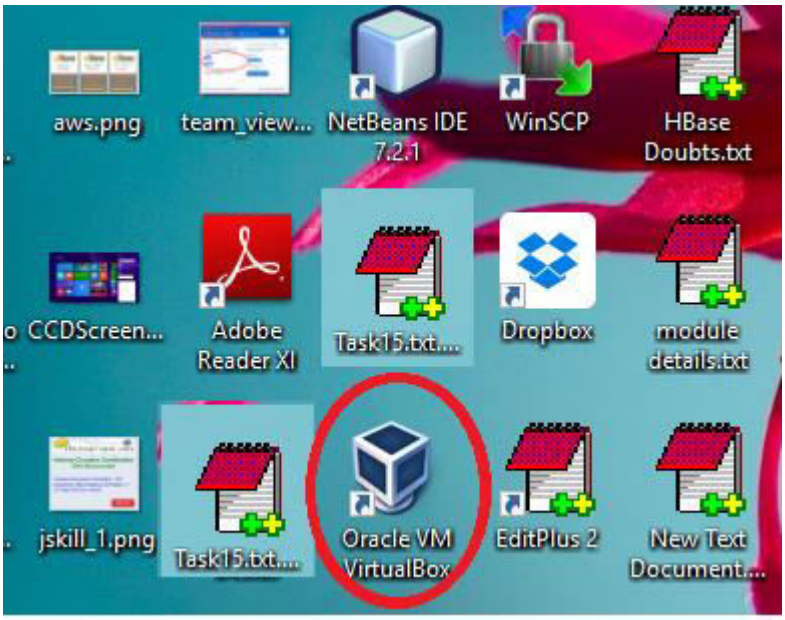
Step 6: Installation of Oracle Virtual Box

- Double click on exe. You should see following popup. (As per your version)



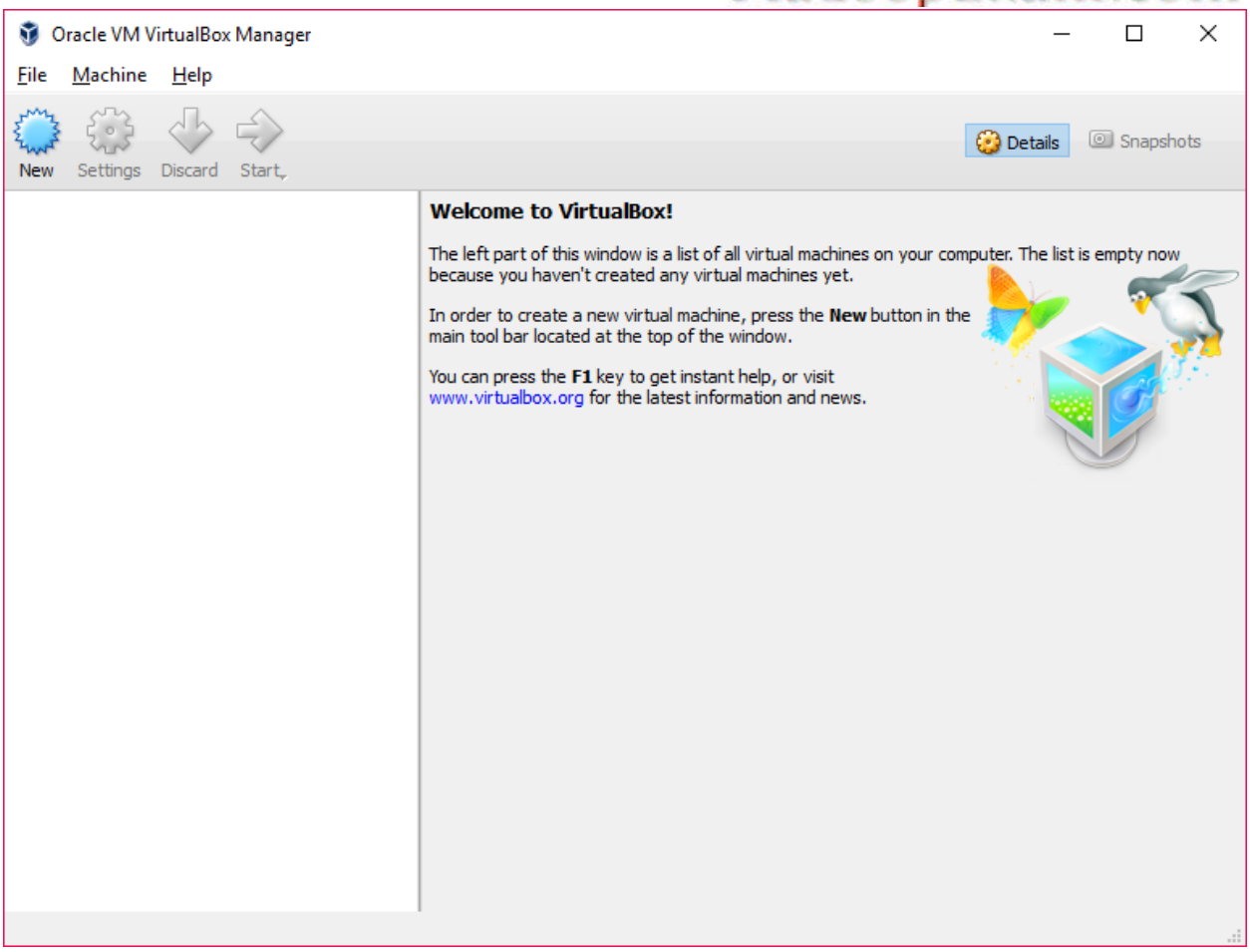
Just Click next -> next as it is simple installation. Once installation is finished, you are done with installation of VirtualBox, and we need to install Hortonworks Sandbox in this virtual box.

Step 7: Once installation is finished, you must see shortcut on desktop as below.

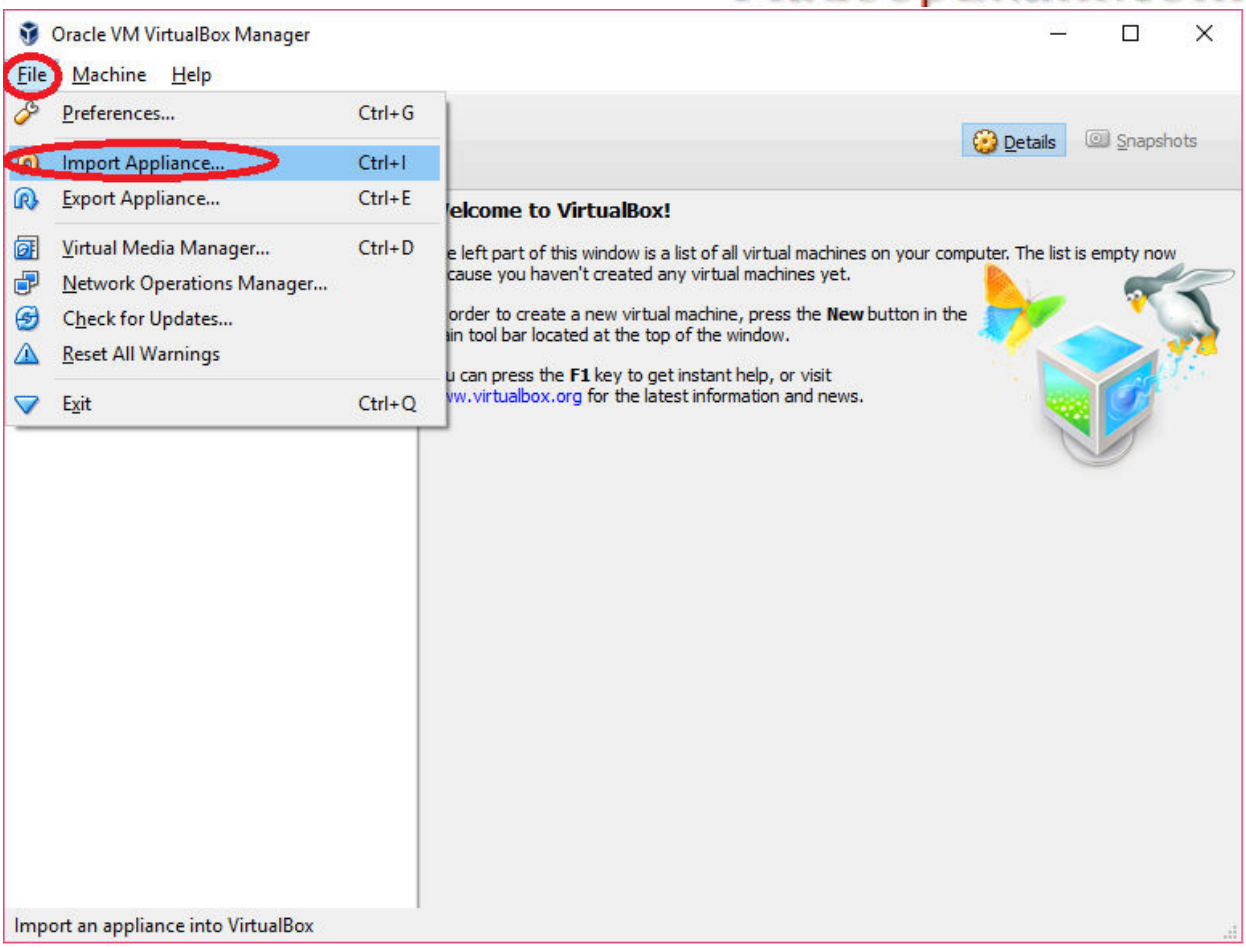


Now Install Sandbox on this virtual box.

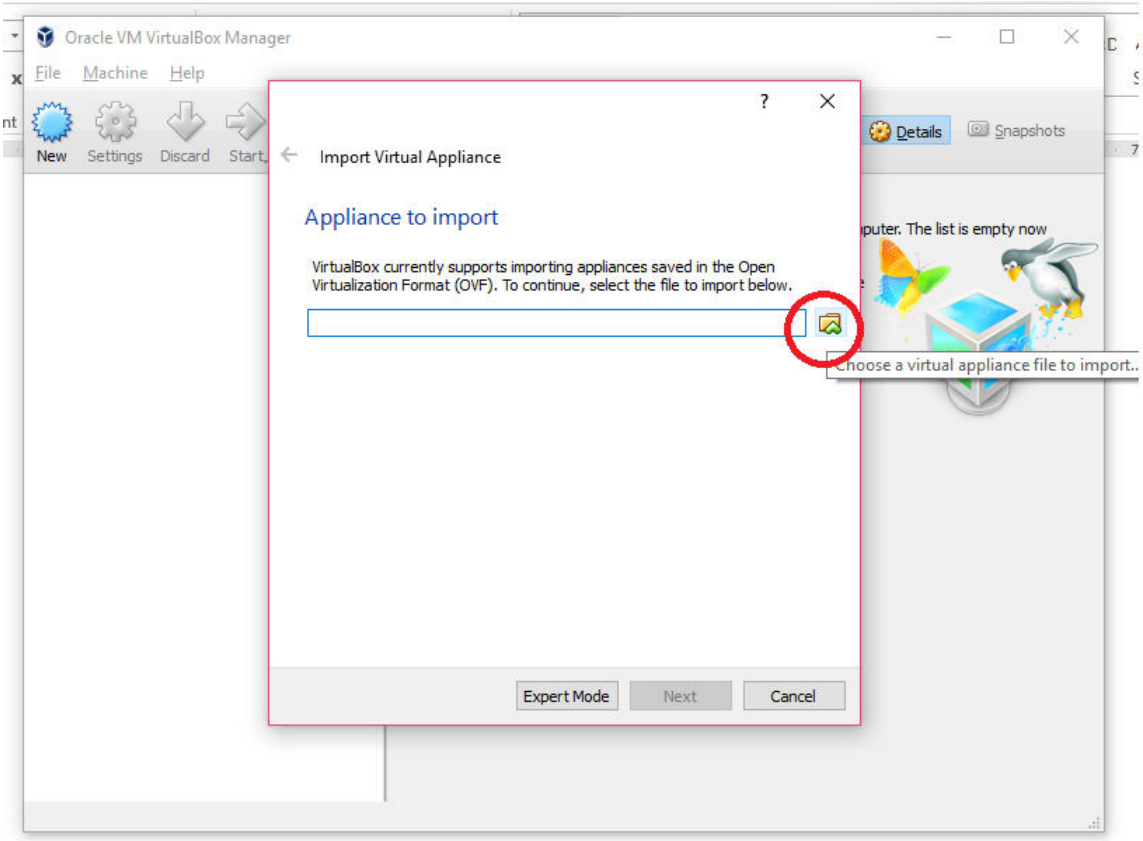
Step 8: Once you start Oracle Virtual Box, you should see following screen.



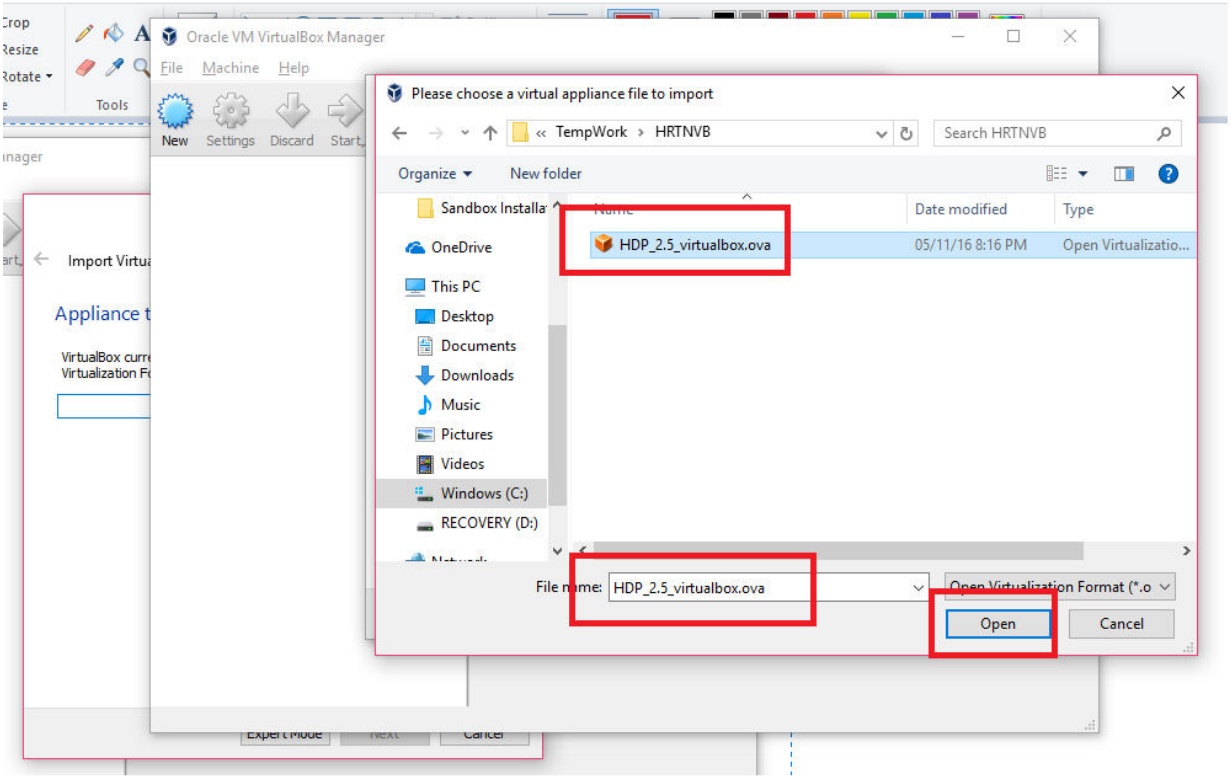
Step 9: Now import the Virtual Box, which we have downloaded from Hortonworks (11GB+ File)



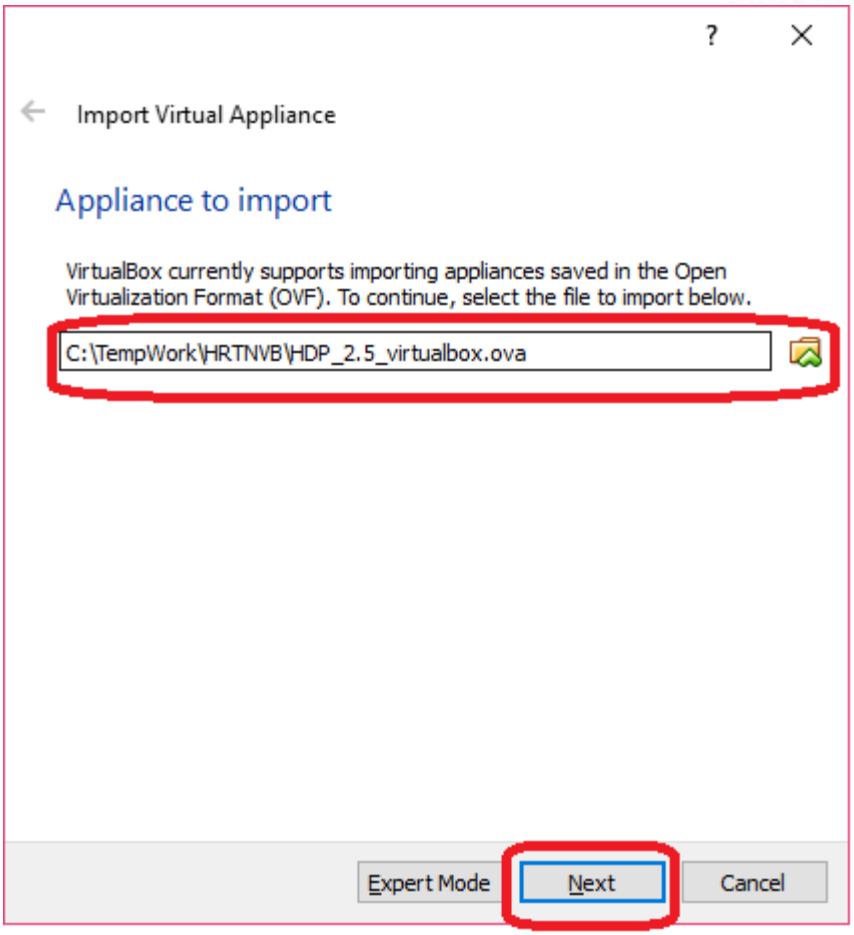
Step 10: Select the Sandbox image.


Oracle VM VirtualBox Manager
File
Machine
Help
New
Settings
Discard
Start
Details
Snapshots
Import Virtual Appliance
Appliance to import
VirtualBox currently supports importing appliances saved in the Open Virtualization Format (OVF). To continue, select the file to import below.
puter. The list is empty now
Choose a virtual appliance file to import..
Expert Mode
Next
Cancel

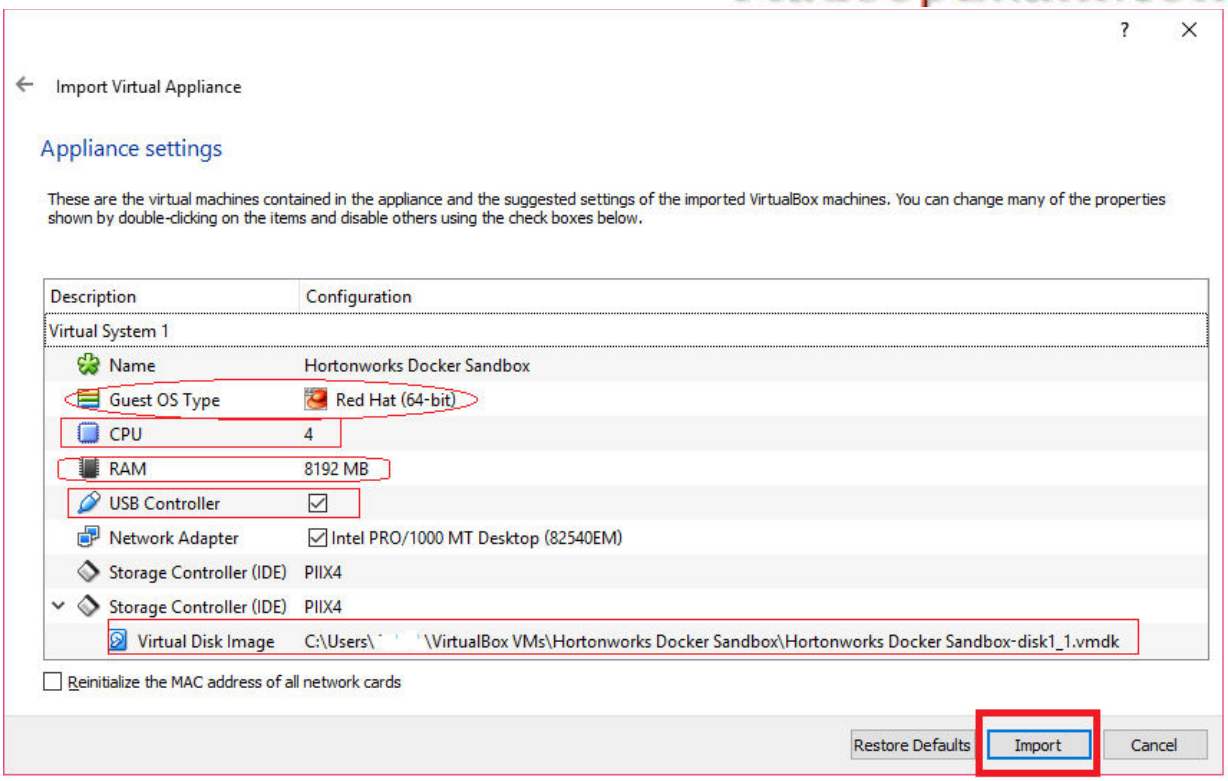
Click Open


Oracle VM VirtualBox Manager
File Machine Help
New Settings Discard Start
Please choose a virtual appliance file to import
TempWork › HRTNVB
Search HRTNVB
Organize New folder
Sandbox Installa
OneDrive
This PC
Desktop
Documents
Downloads
Music
Pictures
Videos
Windows (C:)
RECOVERY (D:)
Name
Date modified
Type
HDP_2.5_virtualbox.ova
05/11/16 8:16 PM
Open Virtualizatio...
File name: HDP_2.5_virtualbox.ova
Open Virtualization Format (*.o
Open
Cancel
Import Virtua
Appliance t
Expert Mode
Next
Cancel

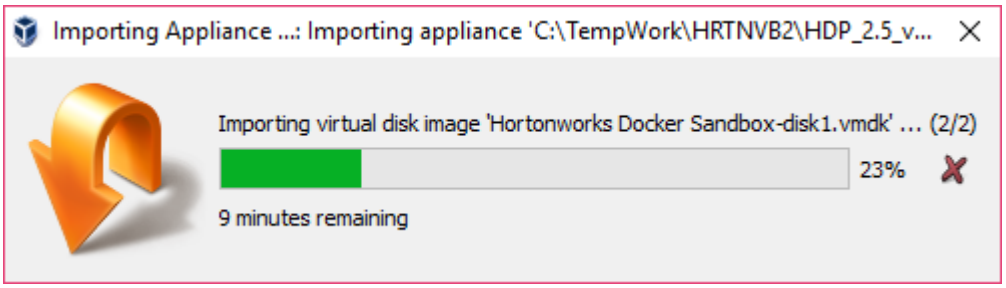
Click Next



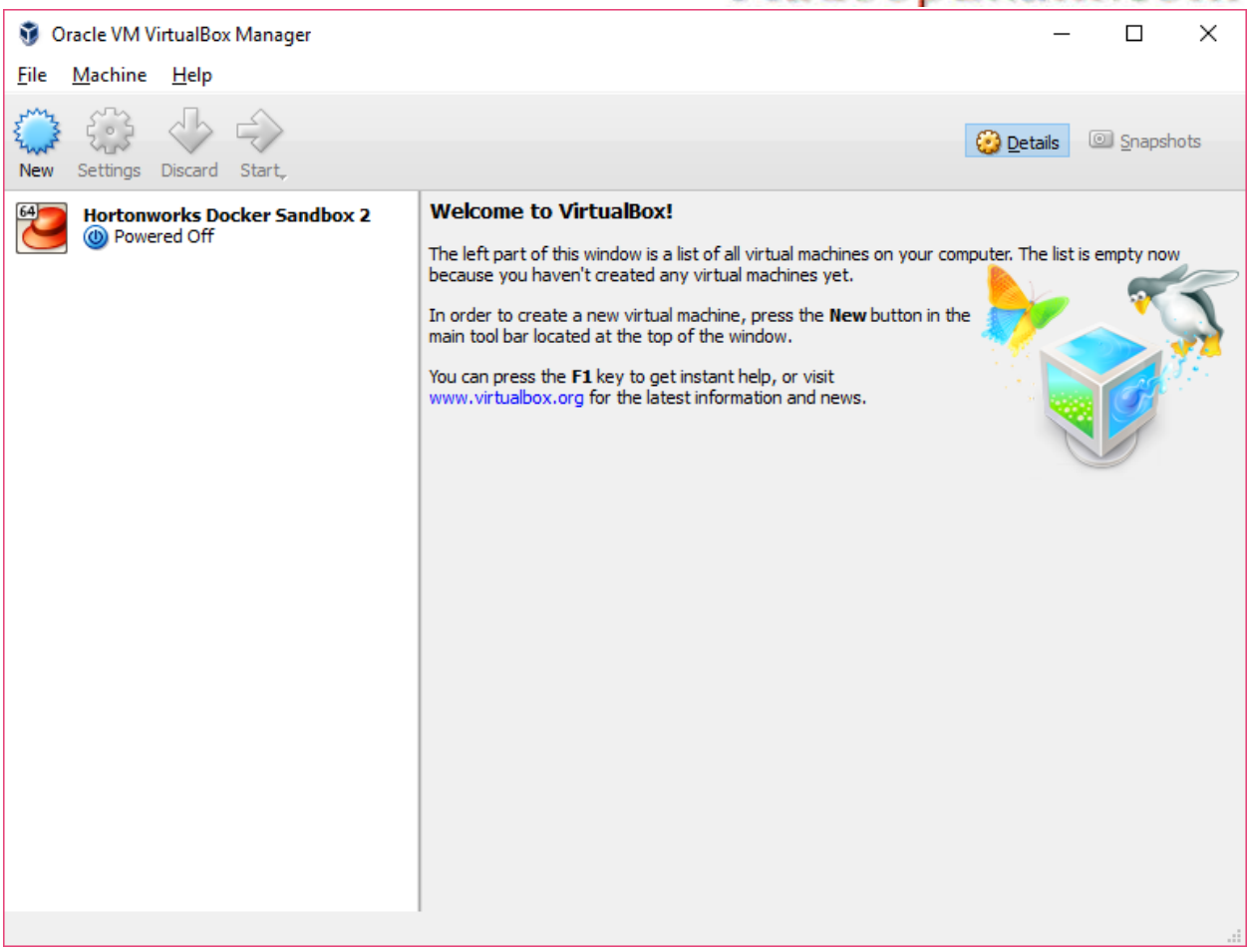
See Image Detail : You can change accordingly. Once done click import



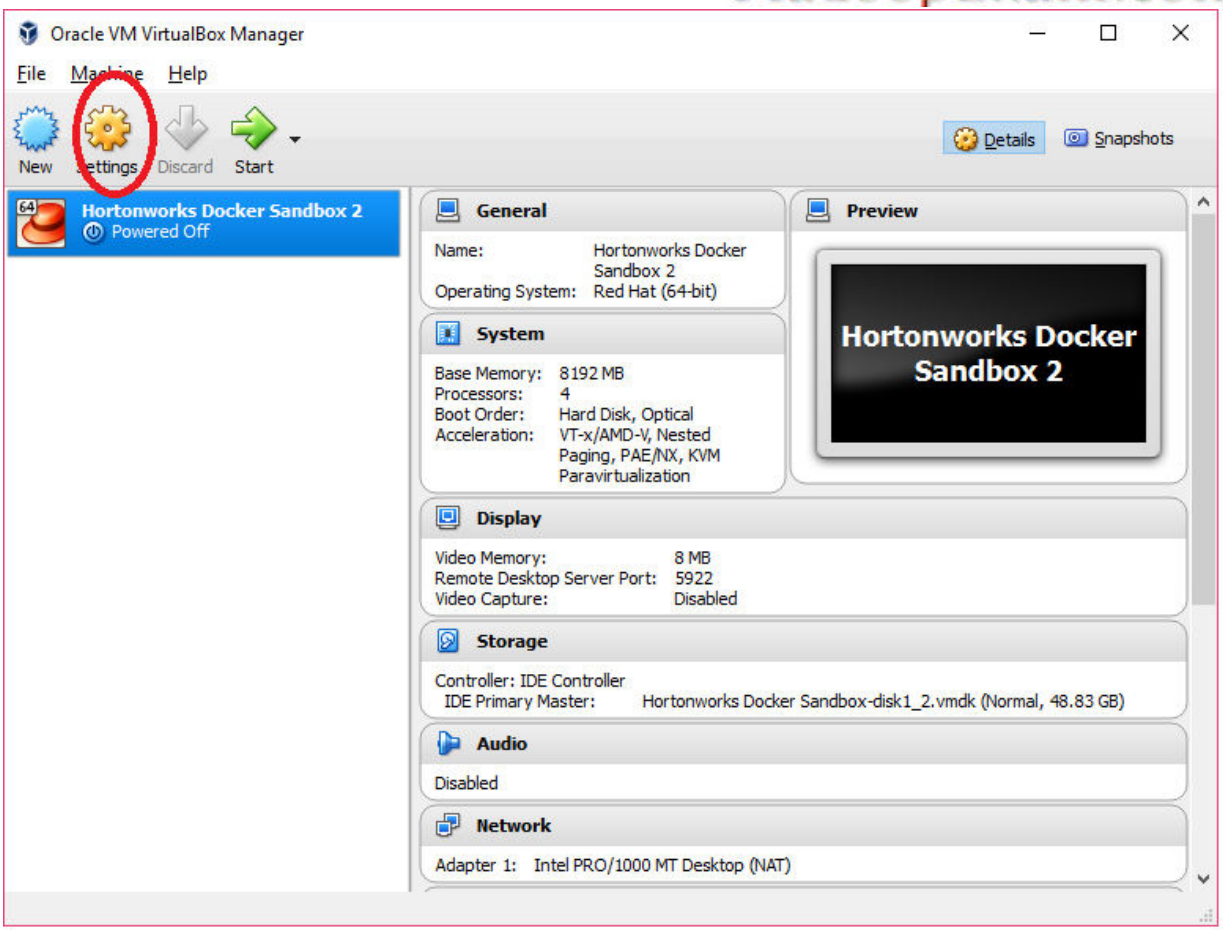
Step 11: After During import, you should see following progress bar. It will take 10-15 minutes to import the image. Wait till it get finished.



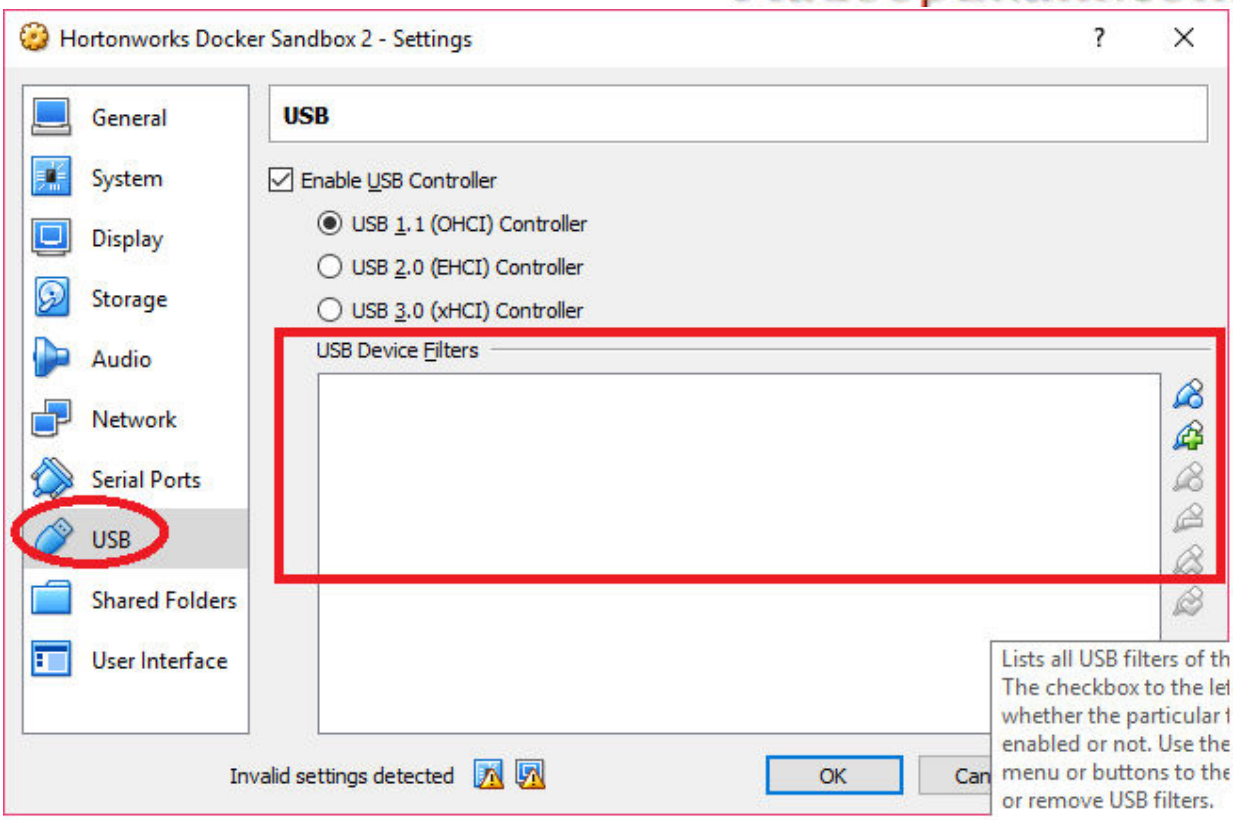
Step 12: Once imported you will see screen similar to below.



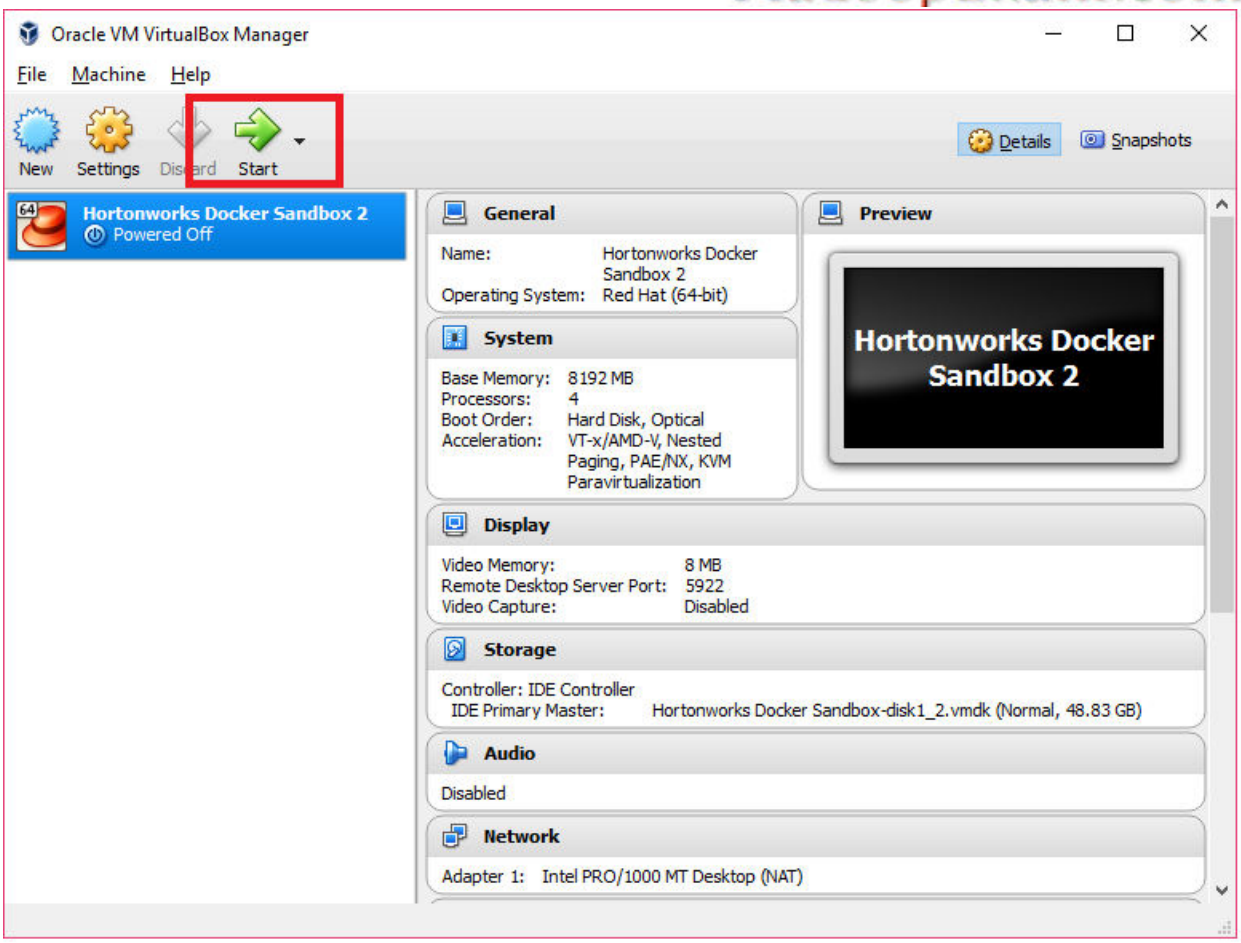
Step 13: Now do some of the settings as below. (Very important for smooth working). Click on setting



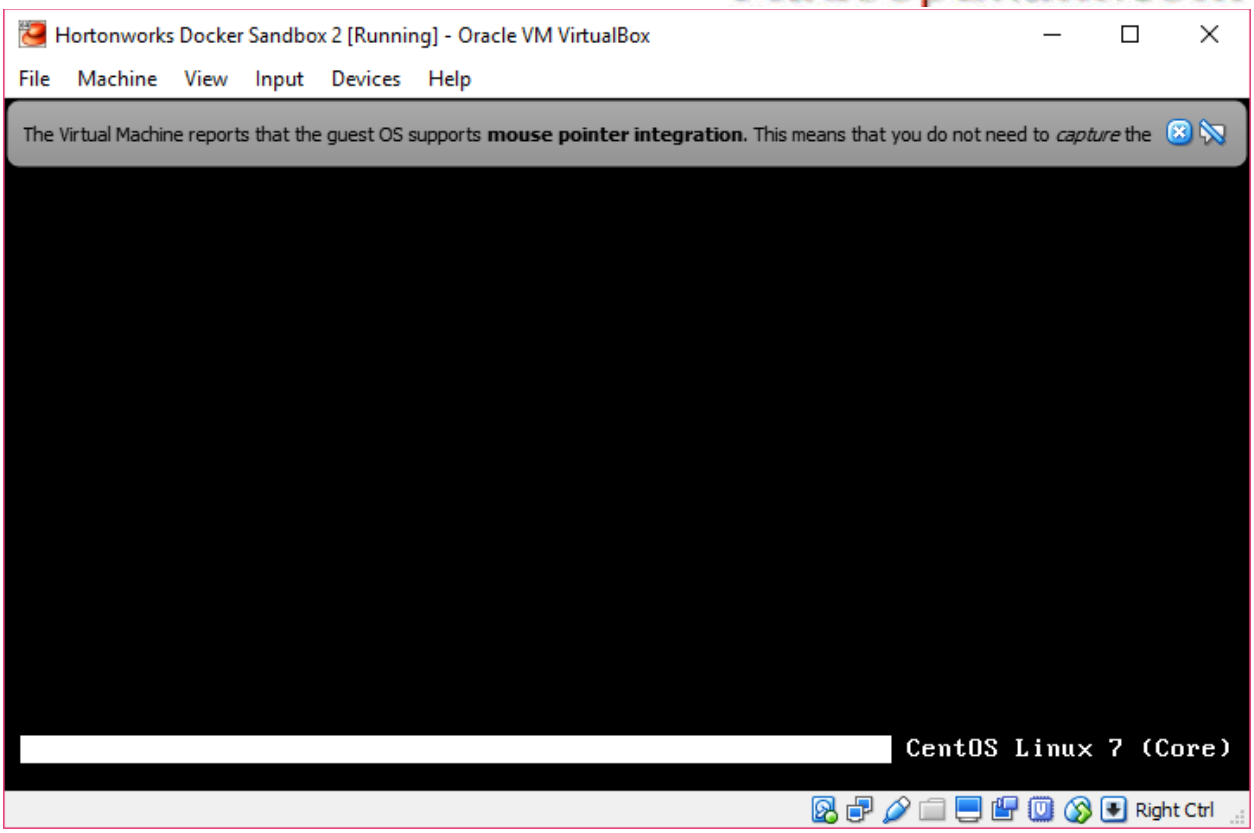
Select USB : USB Device filter should be blank as shown below.



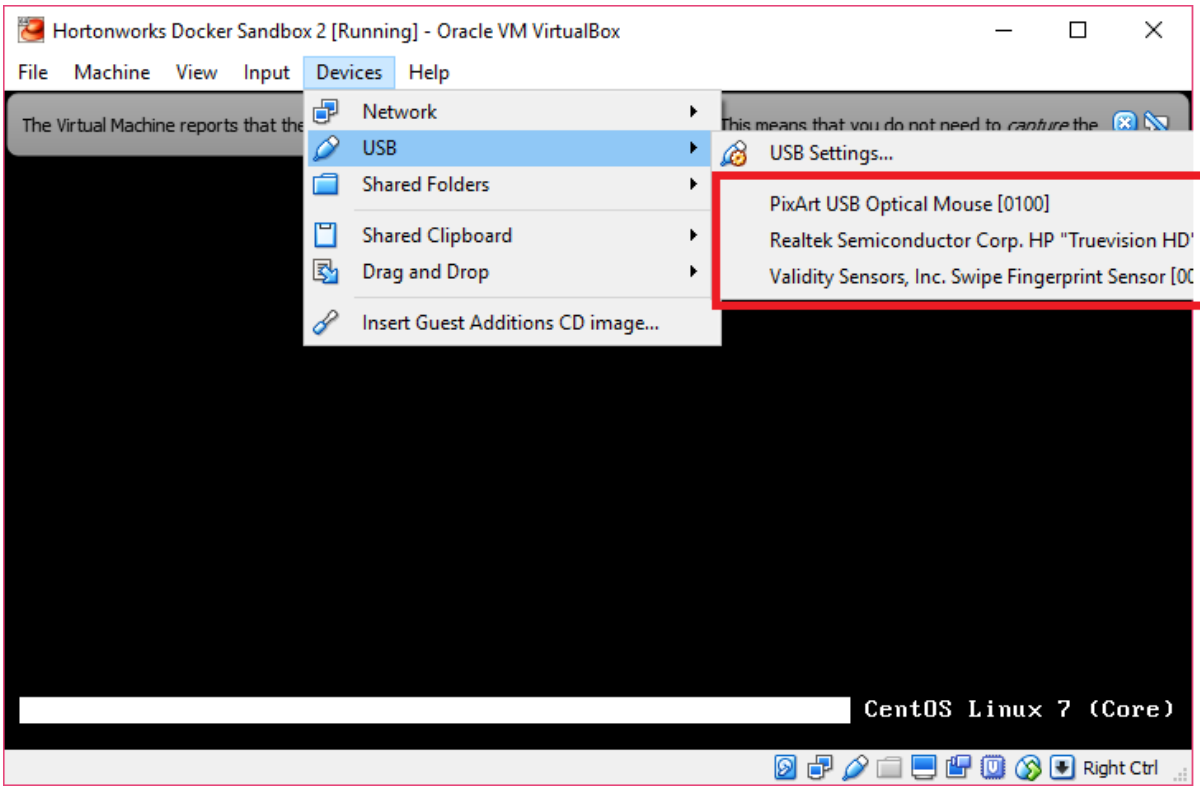
Now start the sandbox, as it is imported.



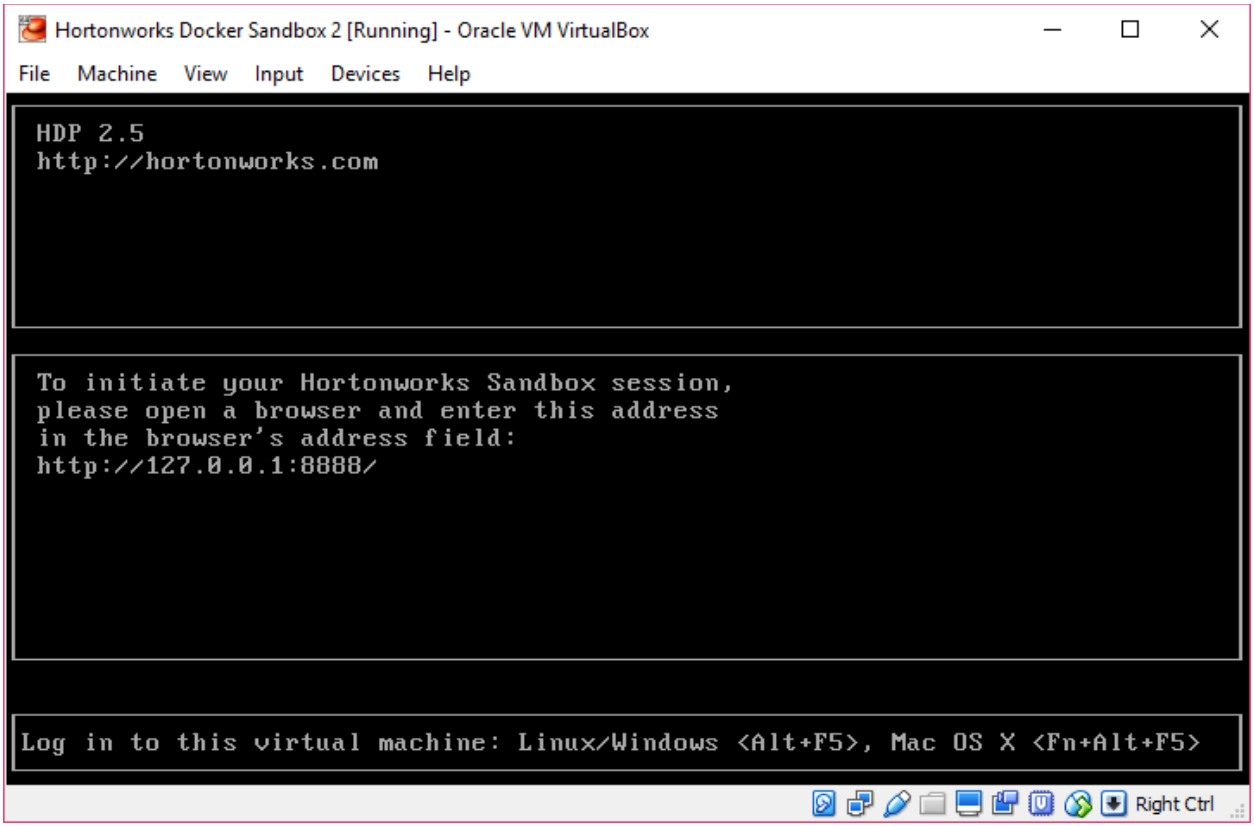
You will see below screen



Now once again, check for USB settings (Else you will fight how your mouse will work)

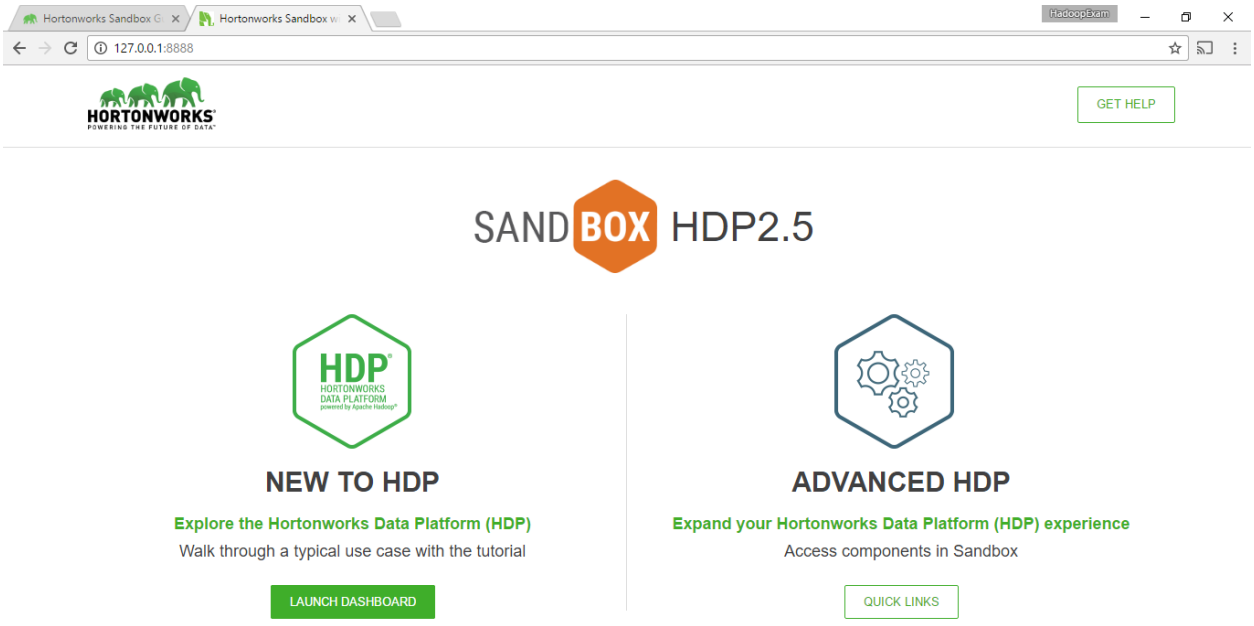


Wait till you see below screen (It will take around 10-15 mins)



Step 14: Now start the Ambari, and you should see below page.

URL: http://127.0.0.1:8888/



Step 15: Some settings before start working on Sandbox.

Regarding Mouse (Very common issue)

- 1. You have to check your laptops cursor will work.
- 2. Now unselect the mouse pixArt USB.

Regarding User:

The user behavior in the sandbox was changed due to security considerations. User maria_dev is the default user is read-only (cannot affect services in ambari).

User : maria_dev

Password : maria_dev

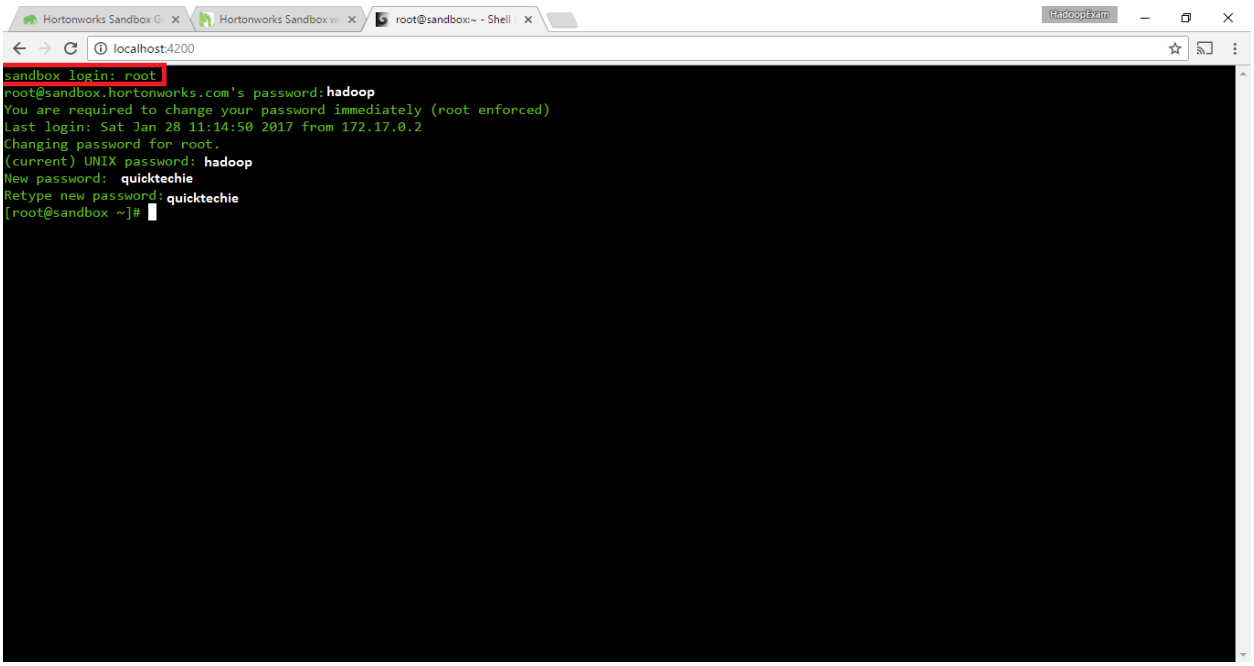
However, we will not use this user.

Step 16: Reset the password for admin user. It will ask you to change the password for root user as well.

Go to: **Web client for shell** : http://localhost:4200/

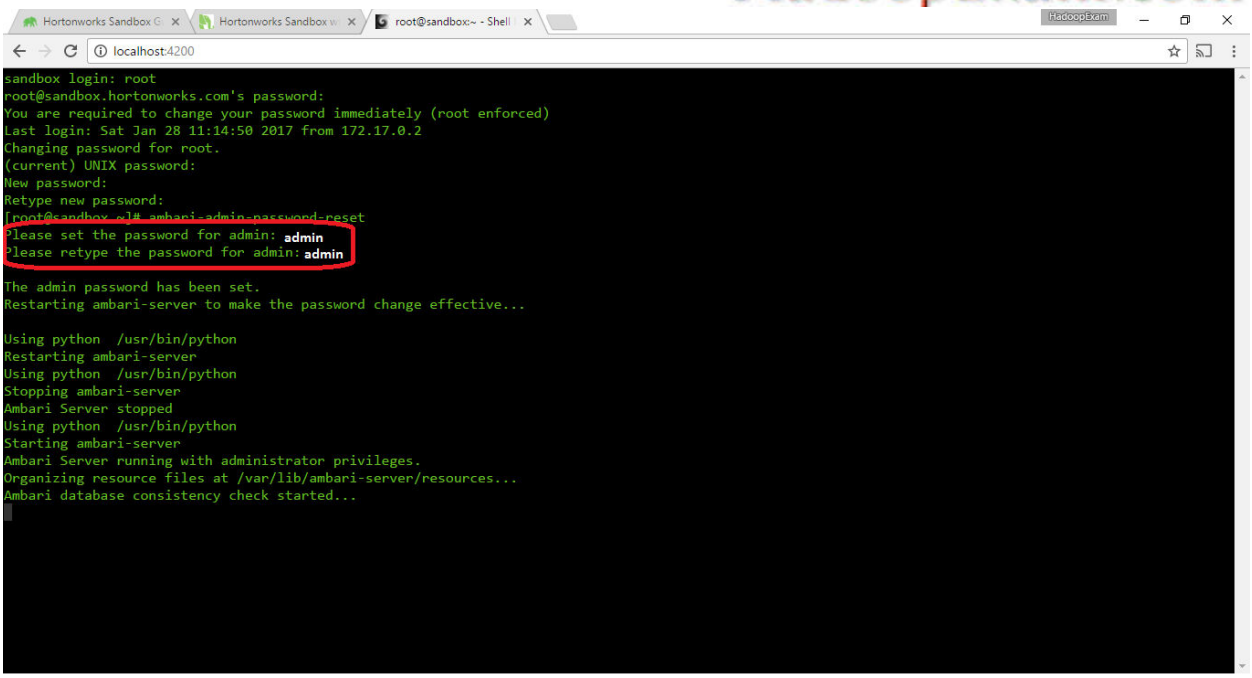
User name: root
Existing Password: hadoop

New Password: quicktechie



Step 17 : set the password for ambari as below.

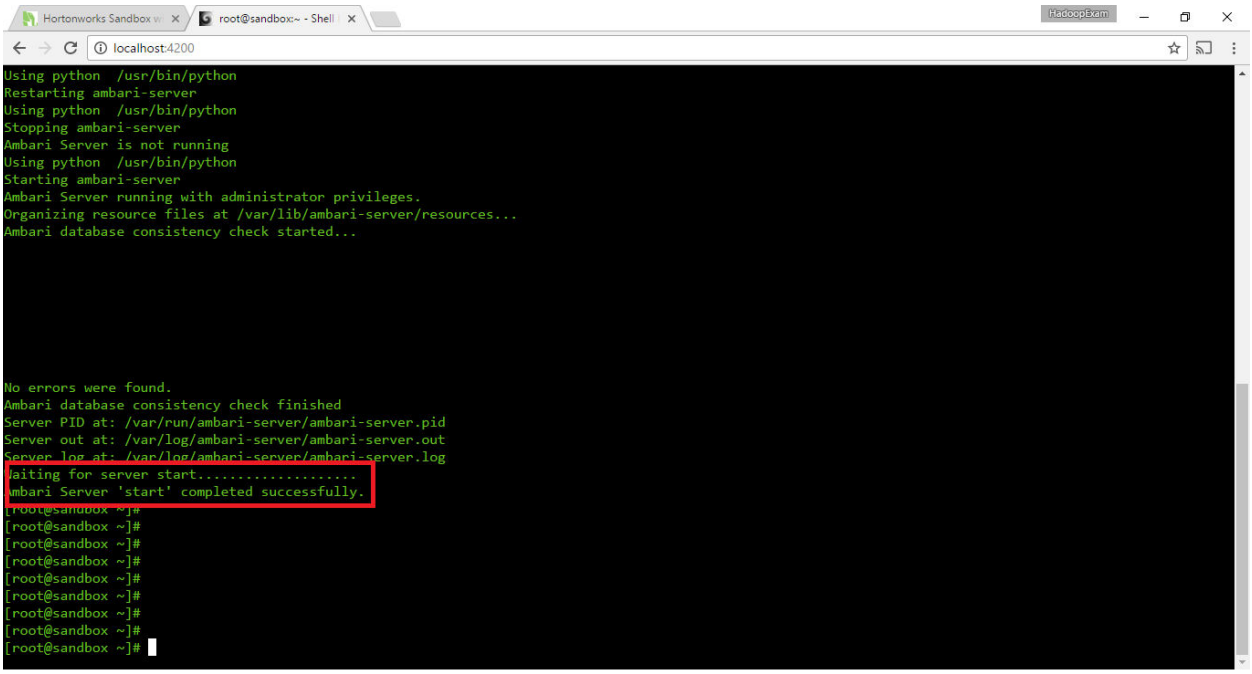
```
ambari-admin-password-reset
```



User: admin

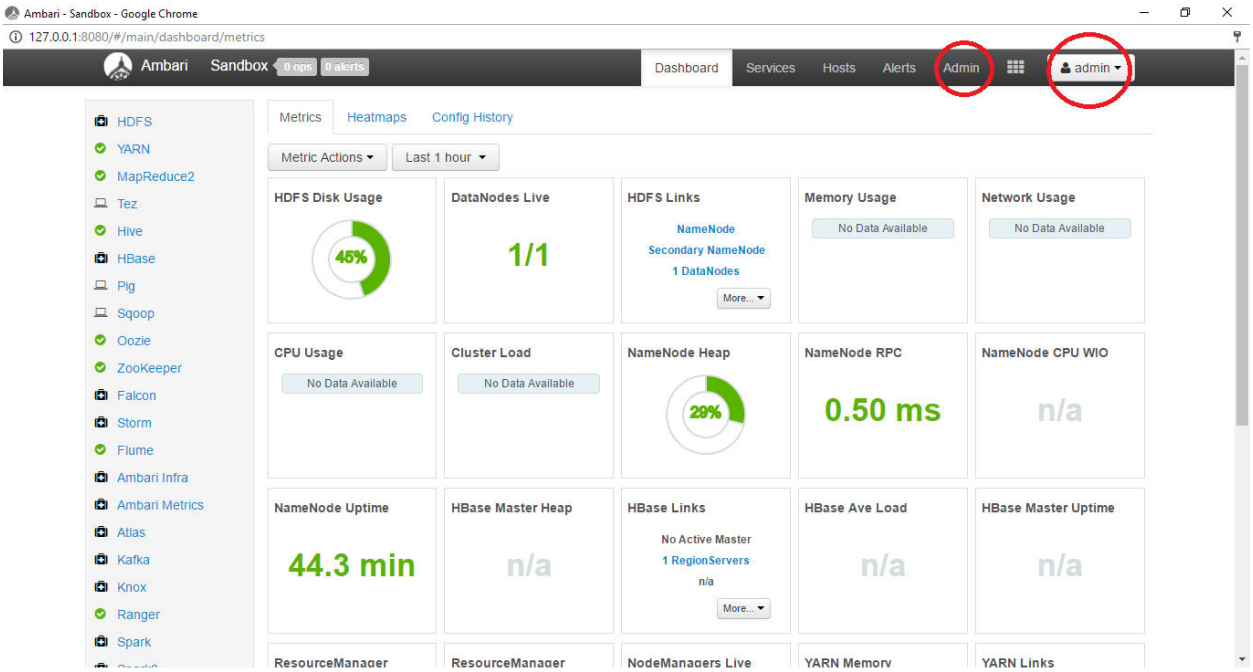
Password: admin

Note: It is re-starting Ambari. (It will take some time). Once re-started you see below screen.



Step 18: Now login to ambari at http://localhost:8080/#/login (So now we have admin permissions for Ambari user)

URL: http://localhost:8080/#/login



Next Session:

Accessing Sandbox using Putty: This is the best way we consider to access sandbox on windows.