

BIG DATA PRACTICAL | BE SEM VII | COMPUTER ENGINEERING

INSTALLATION GUIDELINE FOR HADOOP

STEP1: Use the following links to successfully download above mentioned softwares:

1. Link for Cloudera:
https://downloads.cloudera.com/demo_vm/virtualbox/clouderaquickstart-vm-5.12.0-0-virtualbox.zip
2. Link for VirtualBox: https://www.virtualbox.org/wiki/Download_Old_Builds_6_0 3. In case of any error, check the following link to enable Virtualization on your device (please look for the company whose machine(laptop/PC) you are using):
<https://2nwiki.2n.cz/pages/viewpage.action?pageId=75202968>

STEP2: After downloading Cloudera, unzip it using a zip extractor and extract out the files. Upon completion, open the virtual box software and select the **Import** option.



After selecting import include the path of the Cloudera software which was previously downloaded.

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.

C:\Users\Asus_owner\Desktop\big_data_pracs\cloudera-quickstart-vm-5.12.0-0-virtualbox.ovf



STEP3: In the appliance settings, change the **CPU section** value from '1' to '4'.

Import Virtual Appliance

Appliance settings

These are the virtual machines contained in the appliance and the suggested settings of the imported VirtualBox machines. You can change many of the properties shown by double-clicking on the items and disable others using the check boxes below.

Virtual System 1		
	Name	cloudera-quickstart-vm-5.12.0-0-virtualbox
	Guest OS Type	Red Hat (64-bit)
	CPU	4
	RAM	4096 MB
	DVD	<input checked="" type="checkbox"/>
	Network Adapter	<input checked="" type="checkbox"/> Intel PRO/1000 MT Desktop (82540EM)
	Storage Controller (IDE)	PIIX4

You can modify the base folder which will host all the virtual machines. Home folders can also be individually (per virtual machine) modified.

C:\Users\Asus_owner\VirtualBox VMs

MAC Address Policy: Include only NAT network adapter MAC addresses

Additional Options: ☒ Import hard drives as VDI

Appliance is not signed

Restore Defaults

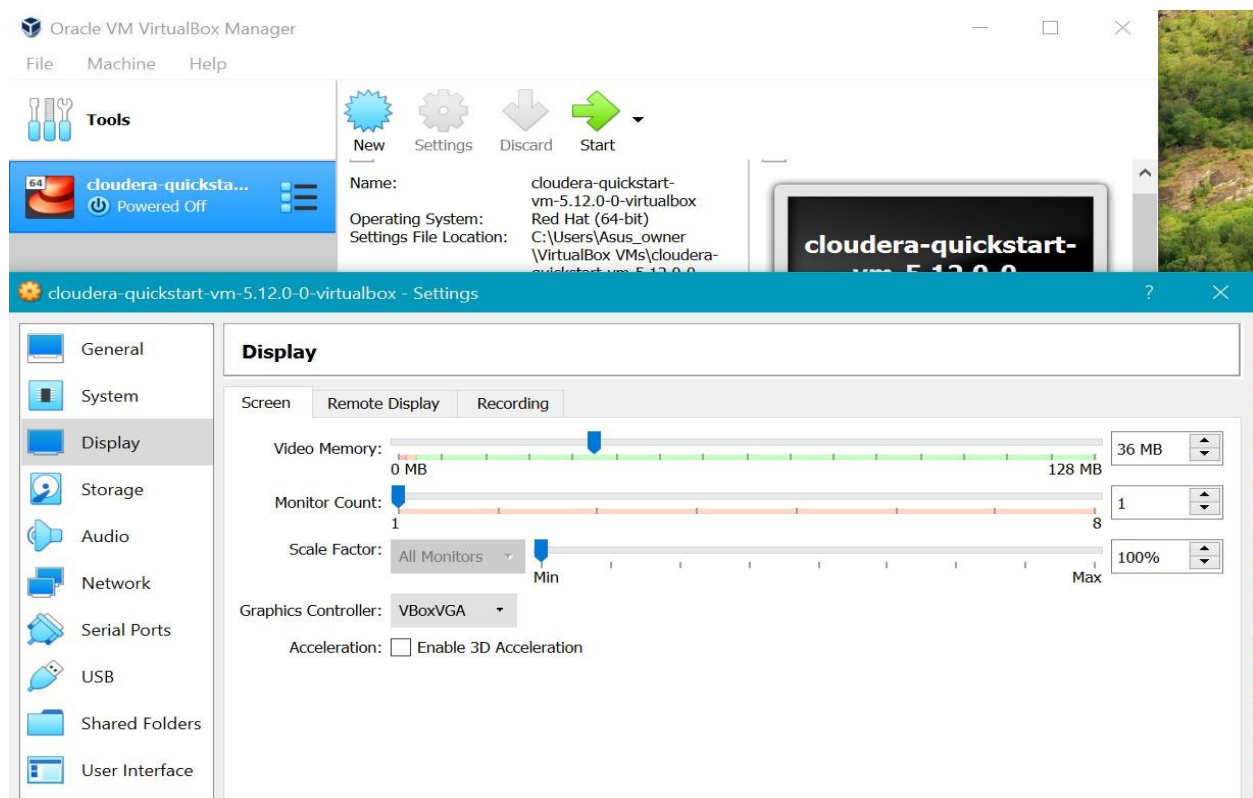
Import

Cancel

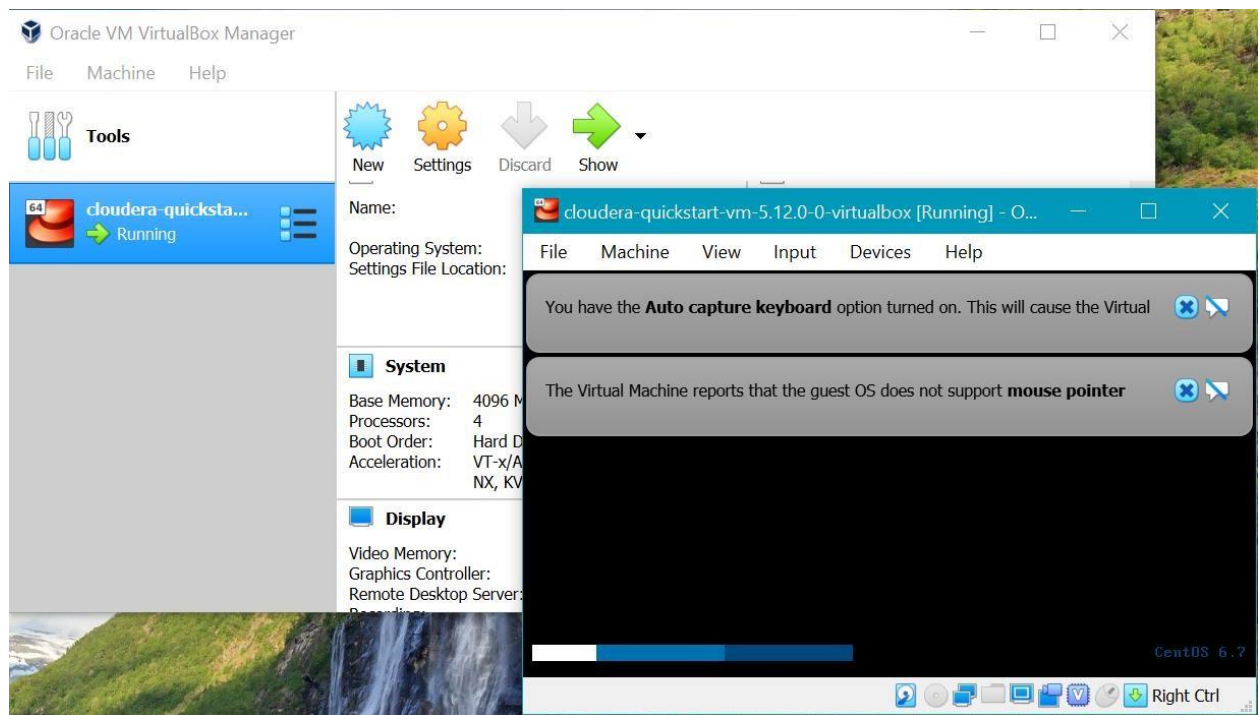
STEP4: Proceed further if your VirtualBox homepage looks like this



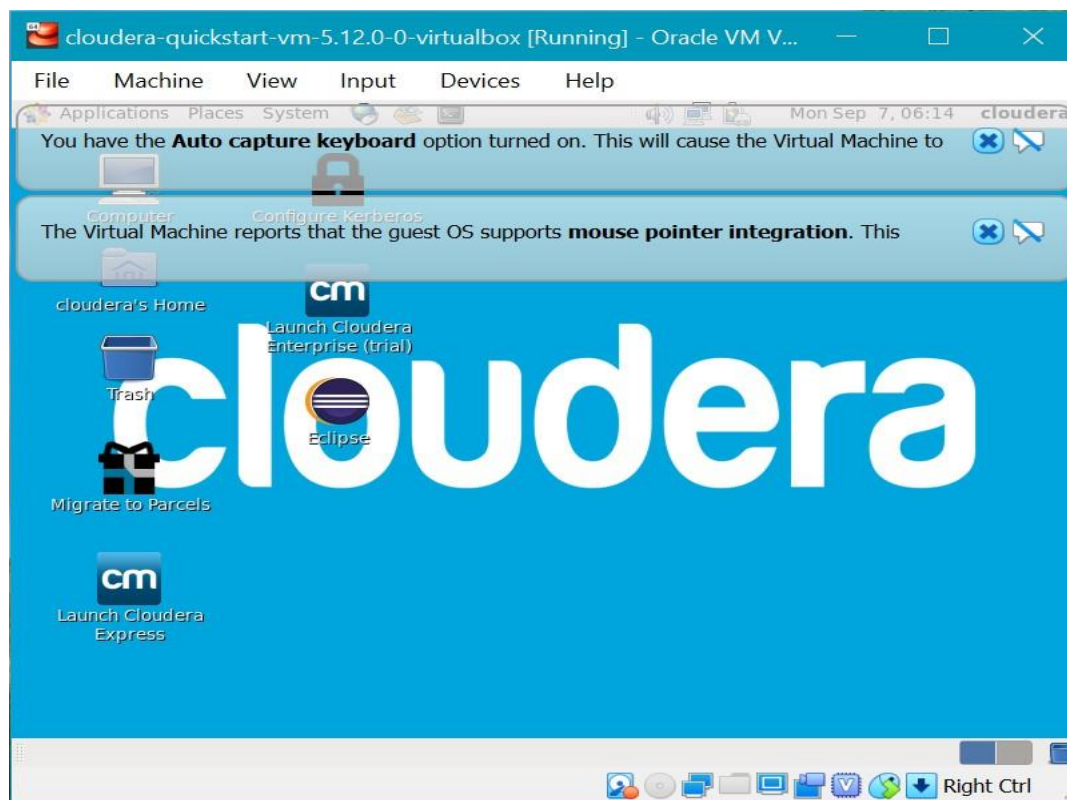
Now click on the **cloudera-quickstart-vm** file which was initially showing powered off. Once you click on it, change the display settings and keep the video memory value between 0-40MB.



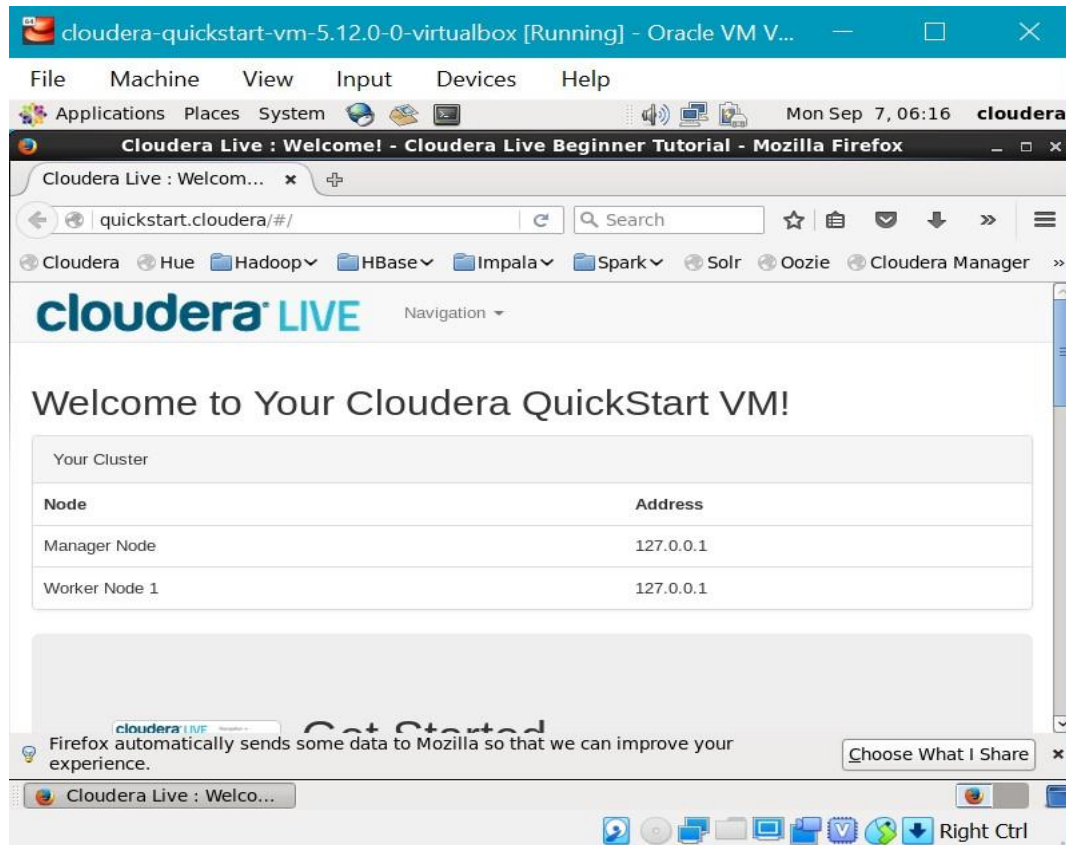
STEP5: Now click on the Start button and wait for a few minutes. Initially your window will look like this.



Once loading is completed, this window will appear.



After loading, this should be the final window on your device.



In case you don't get this window visit the Virtualization link which is provided on the first page of this document and look for your device's Company and carry out the mentioned procedure.

