

Q1. Make a documentation about the steps of Installation process of cloudera in virtual machine.

There are several virtual machine managers like VMware workstation, Oracle VM VirtualBox, GNDME boxes etc which helps to use cloudera.

Here, I am going to install the cloudera in Oracle VM VirtualBox.

Pre requisites —

- Now, Oracle VM VirtualBox installed in the system.
- cloudera VirtualBox image file (approx 5.89 GB)

Steps of installation process

- firstly, go to the folder where the cloudera files are stored.
- Then, we need to extract the cloudera image file, which contains two files, one is the .ova (open virtualization format) and the second is virtual disk image.
- Now, double click on .ova file. It will open the import dialog box.
- click on Next button.
- Now, the hardware configure will be shown.

- keep the things as it is, which is recommended, and then click import button.
- Then, the import process will start and will take about a couple of minutes to finish importing.
- After importing will finish, then we can see it in the sidebar of the virtual box.
- Now, click on start button to launch the cloudera.
- After loading for some time, the cloudera will be finally opened.
- Then, The homescreen contains cloudera-express launcher, which is used for doing all the practicals, as well as the terminal, which is used to run the commands.
- Now, installation of the cloudera in virtual box is complete now.

These steps which are followed, in order to install the cloudera in a virtual machine.



.13.0-0-virtualbox

Sort

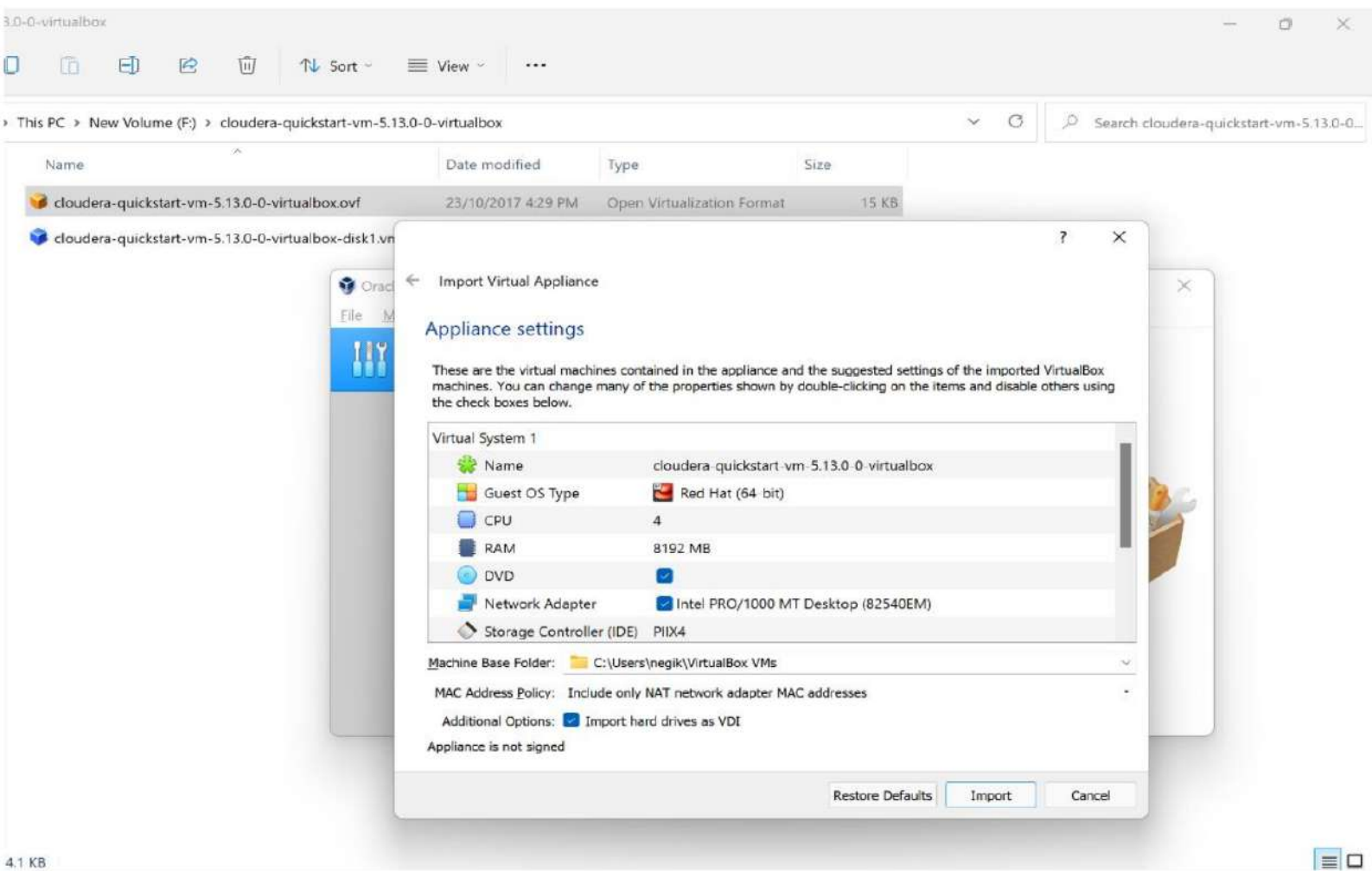
View

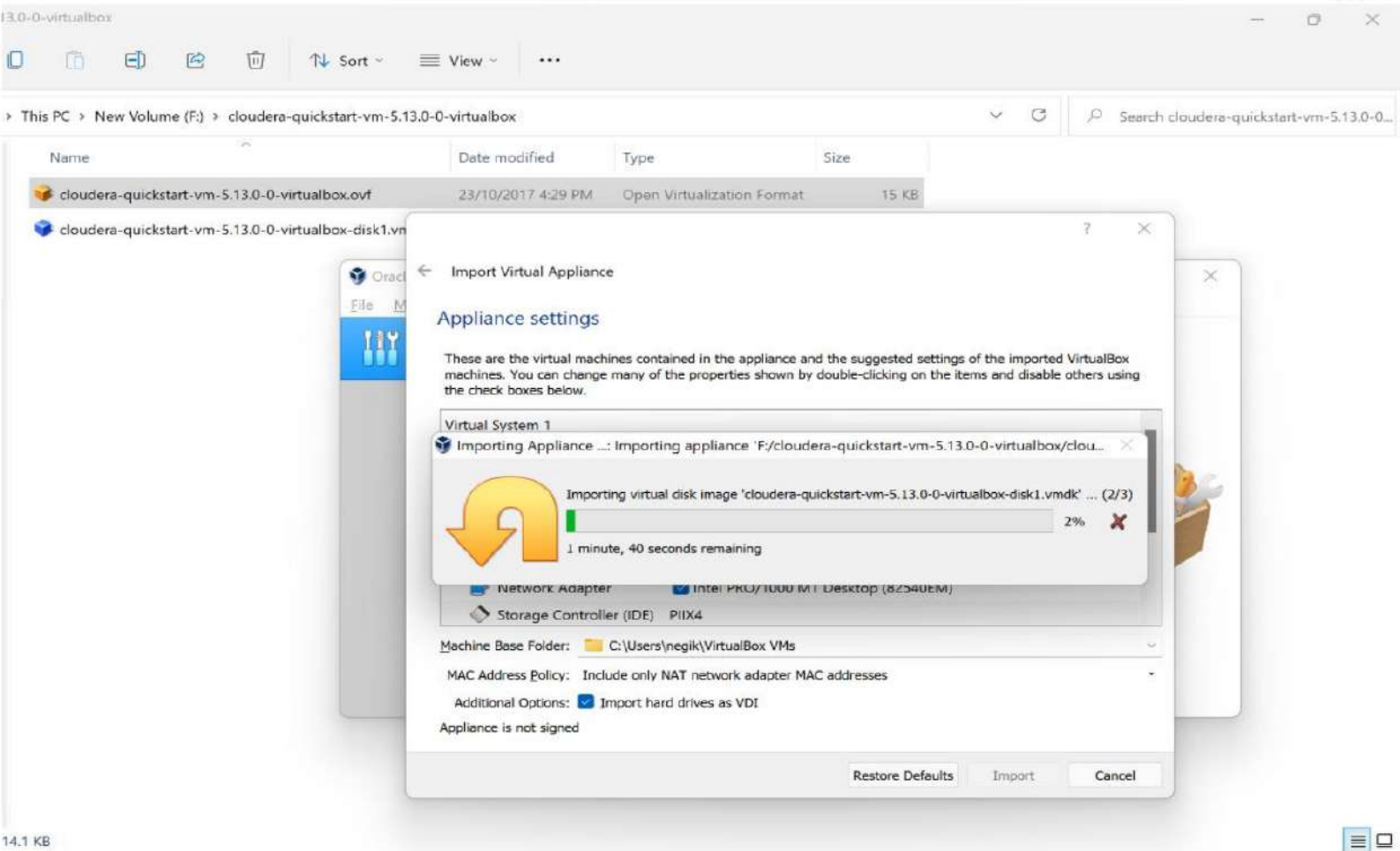
This PC > New Volume (F:) > cloudera-quickstart-vm-5.13.0-0-virtualbox

Search cloudera-quickstart-vm-5.13.0-0...

Name	Date modified	Type	Size
 cloudera-quickstart-vm-5.13.0-0-virtualbox.ovf	23/10/2017 4:29 PM	Open Virtualization Format	15 KB
 cloudera-quickstart-vm-5.13.0-0-virtualbox-disk1.vmdk	23/10/2017 4:34 PM	Virtual Machine Disk For...	5,810,349 KB

14.1 KB







cloudera-quickstart-vm-5.13.0-0-virtualbox
Powered Off

General

Name: cloudera-quickstart-vm-5.13.0-0-virtualbox
Operating System: Red Hat (64-bit)

System

Base Memory: 8192 MB
Processors: 4
Boot Order: Hard Disk, Optical
Acceleration: VT-x/AMD-V, Nested Paging, PAE/NX, KVM Paravirtualization

Display

Video Memory: 8 MB
Graphics Controller: VBoxVGA
Remote Desktop Server: Disabled
Recording: Disabled

Storage

Controller: IDE Controller
IDE Primary Device 0: cloudera-quickstart-vm-5.13.0-0-virtualbox-disk1.vdi (Normal, 64.00 GB)
IDE Secondary Device 0: [Optical Drive] Empty

Audio

Disabled

Network

Adapter 1: Intel PRO/1000 MT Desktop (NAT)

USB

Disabled

Shared folders

None

Description

None

Preview

cloudera-quickstart-
vm-5.13.0-0-
virtualbox



Computer



Eclipse



cloudera's Home



VBox_GAs_6.1.32



Trash



Migrate to Parcels



Configure Kerberos



Launch Cloudera Express



Launch Cloudera Enterprise (trial)

cloudera

Q2. Explain how we can share the files from host to virtual machine and vice-versa.

Following are the steps. we should follow the share files from host to virtual machine and vice-versa.

- Firstly, we have to create a folder on desktop.
- Then name the folder with any name.
- Now, open cloudera and on desktop and create a new folder in cloudera.
- Then, click on devices on top menu bar then shared folders and then shared folder settings.
- click "+". After clicking we will get "Add share prompt".
- In folder path, click the arrow and select other. Browse the Host OS for the folder you want to share, highlight it, then select folder.
- In the folder Name, Give the name (keeping the same name in the guest OS as the host is wise).

check Auto mount and make permanent, then ok.

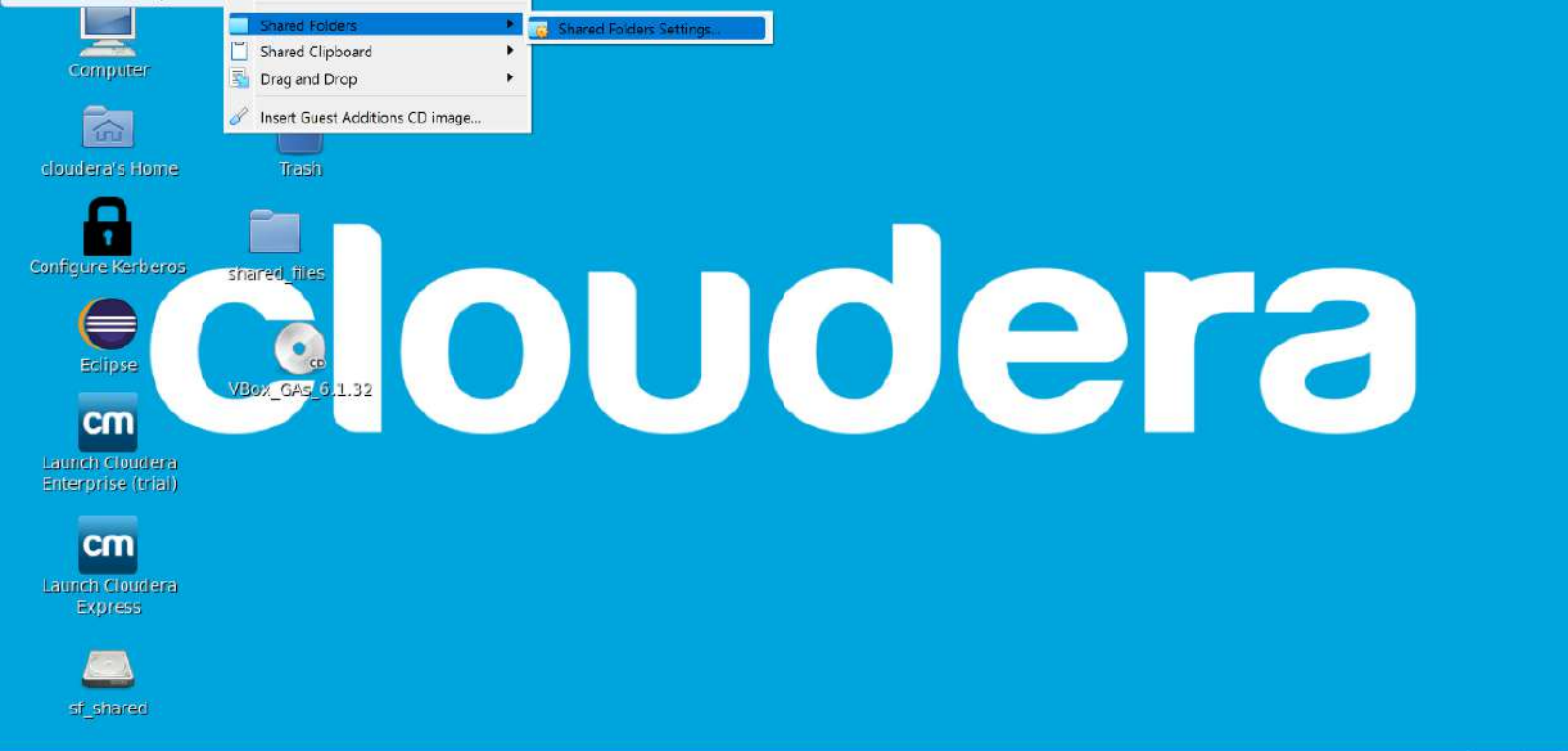
- Now, open Terminal and login as root using command
* Su root
password as "cloudera".
- Create a folder on guest os where we want to access the content of shared folder.
e.g - shared-files is the name of folder.
- Now, Type the command.
mount -t vboxsf shared/home/cloudera/Desktop/
shared-files and then press enter.

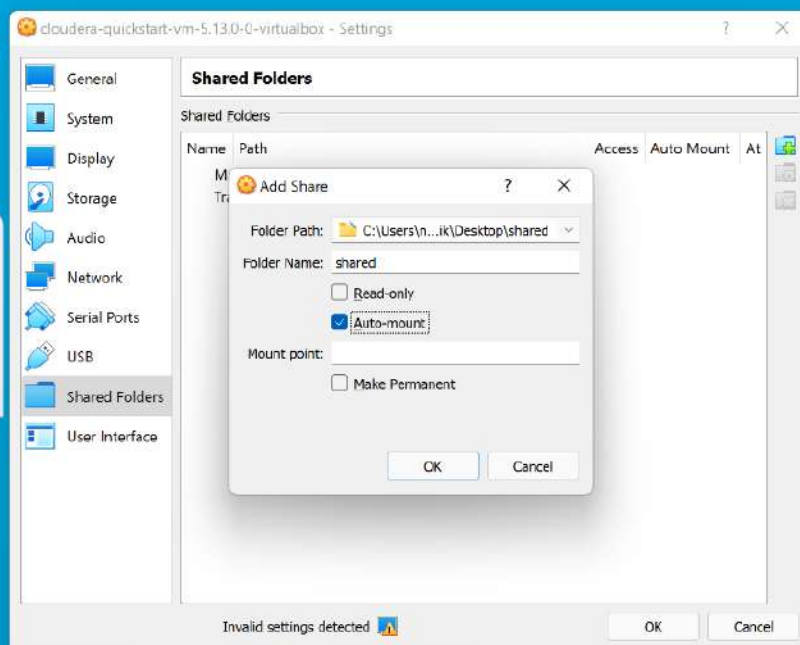
Here, shared is the name of the folder that we are sharing from Host os to virtual machine.

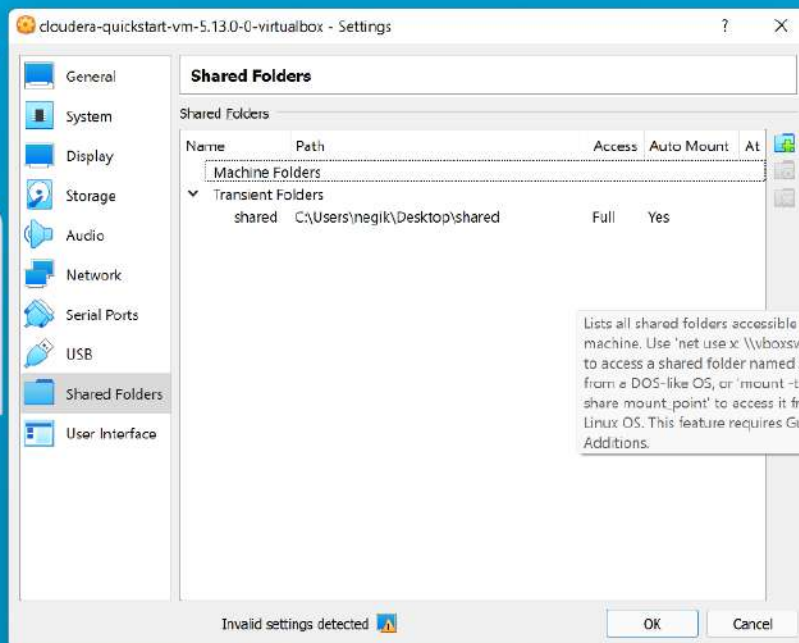
and shared-files is the name of folder where we will get the shared Data.

- Now, open the open/home/cloudera/Desktop/Data to access the content of shared folder.

These steps, ^{which} are to be followed, in share the files from host to virtual machine and vice-versa.





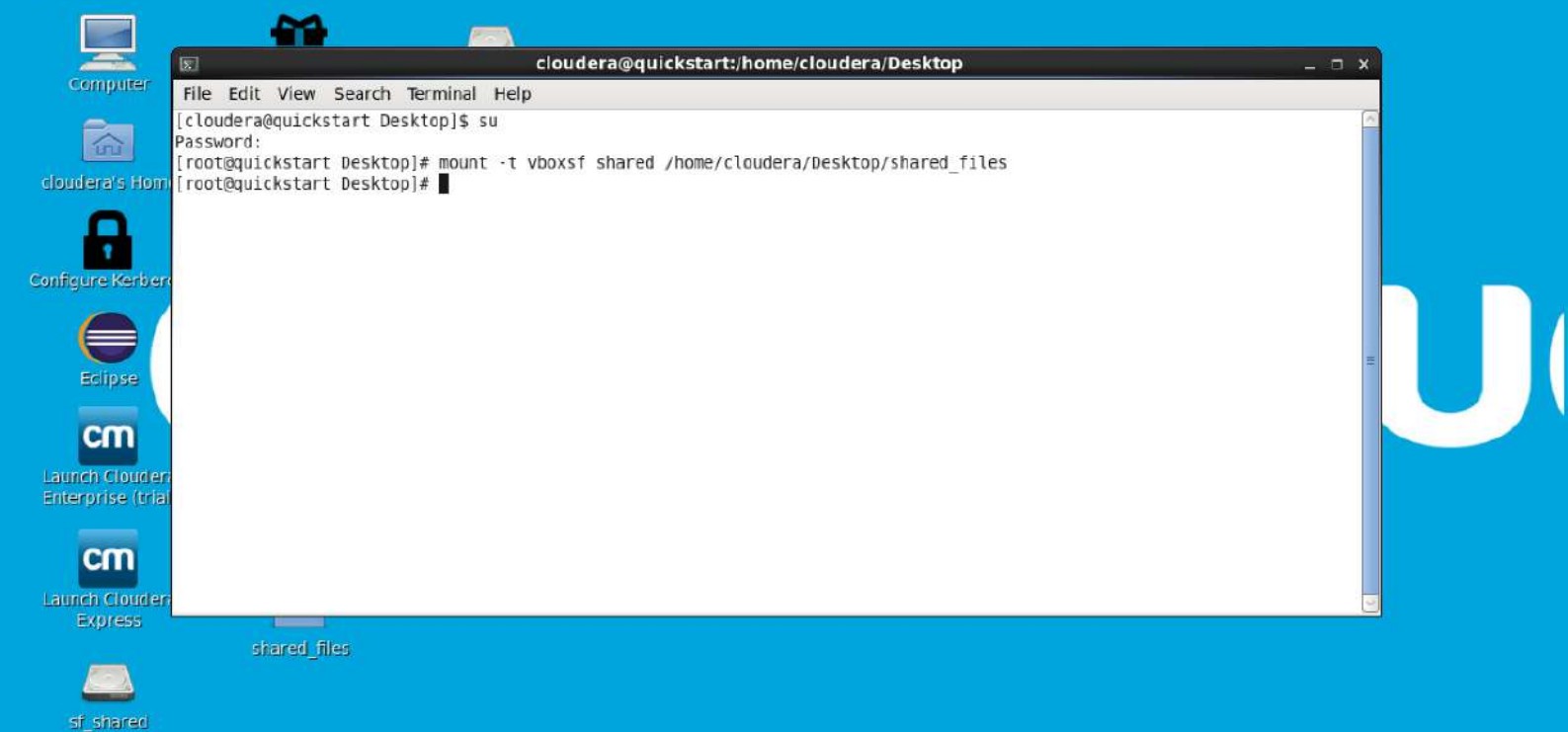


cloudera-quickstart-vm-5.13.0-0-virtualbox [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Applications Places System

Sun Feb 13, 1:34:48 AM cloudera



cloudera@quickstart:/...

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