

HADOOP INSTALLATION

Pre-requires:

1 PC/trainee with:

- 64 Bit OS Windows machine with **8 GB RAM** and Quadcore processor.
- 100 GB free Hard Disk space
- Projector & whiteboard Required

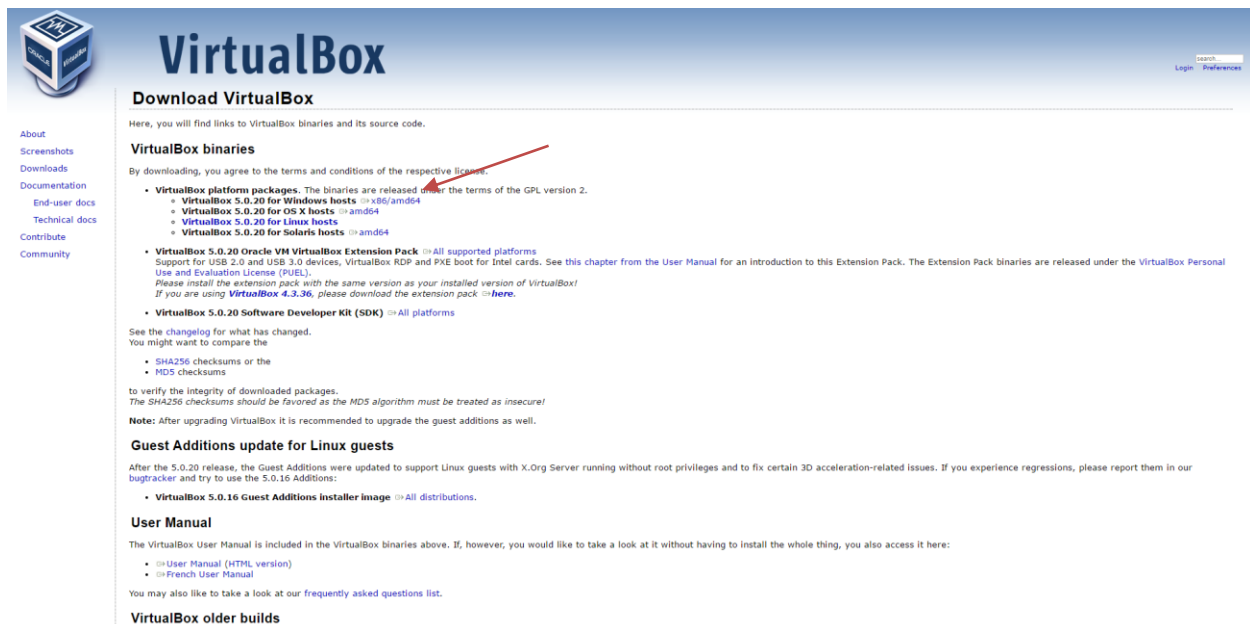
Also make sure that all the machine has **Virtualization enabled from BIOS** so that VM image can be installed successfully.

Please follow the steps mentioned below for installing Cloudera Hadoop CDH cluster as VM in your local machine.

Step 1: Get Oracle Virtual box or VMPlayer for different OS from below mentioned location.

Once you click the url, following screen will appear then click on first link, **Virtualbox 5.0.20 for Windows hosts** => **x86/amd64** , Virtual box will get downloaded.

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



VirtualBox

Download VirtualBox

Here, you will find links to VirtualBox binaries and its source code.

VirtualBox binaries

By downloading, you agree to the terms and conditions of the respective licenses.

- **VirtualBox platform packages.** The binaries are released under the terms of the GPL version 2.
 - [VirtualBox 5.0.20 for Windows hosts](#) → x86/amd64
 - [VirtualBox 5.0.20 for OS X hosts](#) → amd64
 - [VirtualBox 5.0.20 for Linux hosts](#)
 - [VirtualBox 5.0.20 for Solaris hosts](#) → amd64
- **VirtualBox 5.0.20 Oracle VM VirtualBox Extension Pack** → All supported platforms
Support for USB 2.0 and USB 3.0 devices, VirtualBox RDP and PXE boot for Intel cards. See this chapter from the User Manual for an introduction to this Extension Pack. The Extension Pack binaries are released under the VirtualBox Personal Use and Evaluation License (PUEL).
Please install the extension pack with the same version as your installed version of VirtualBox!
If you are using [VirtualBox 4.3.36](#), please download the extension pack → [here](#).
- **VirtualBox 5.0.20 Software Developer Kit (SDK)** → All platforms

See the changelog for what has changed.
You might want to compare the

- SHA256 checksums or the
- MD5 checksums

to verify the integrity of downloaded packages.
The SHA256 checksums should be favored as the MD5 algorithm must be treated as insecure!

Note: After upgrading VirtualBox it is recommended to upgrade the guest additions as well.

Guest Additions update for Linux guests

After the 5.0.20 release, the Guest Additions were updated to support Linux guests with X.Org Server running without root privileges and to fix certain 3D acceleration-related issues. If you experience regressions, please report them in our [bugtracker](#) and try to use the 5.0.16 Additions:

- **VirtualBox 5.0.16 Guest Additions installer image** → All distributions.

User Manual

The VirtualBox User Manual is included in the VirtualBox binaries above. If, however, you would like to take a look at it without having to install the whole thing, you also access it here:

- [User Manual \(HTML version\)](#)
- [French User Manual](#)

You may also like to take a look at our [frequently asked questions list](#).

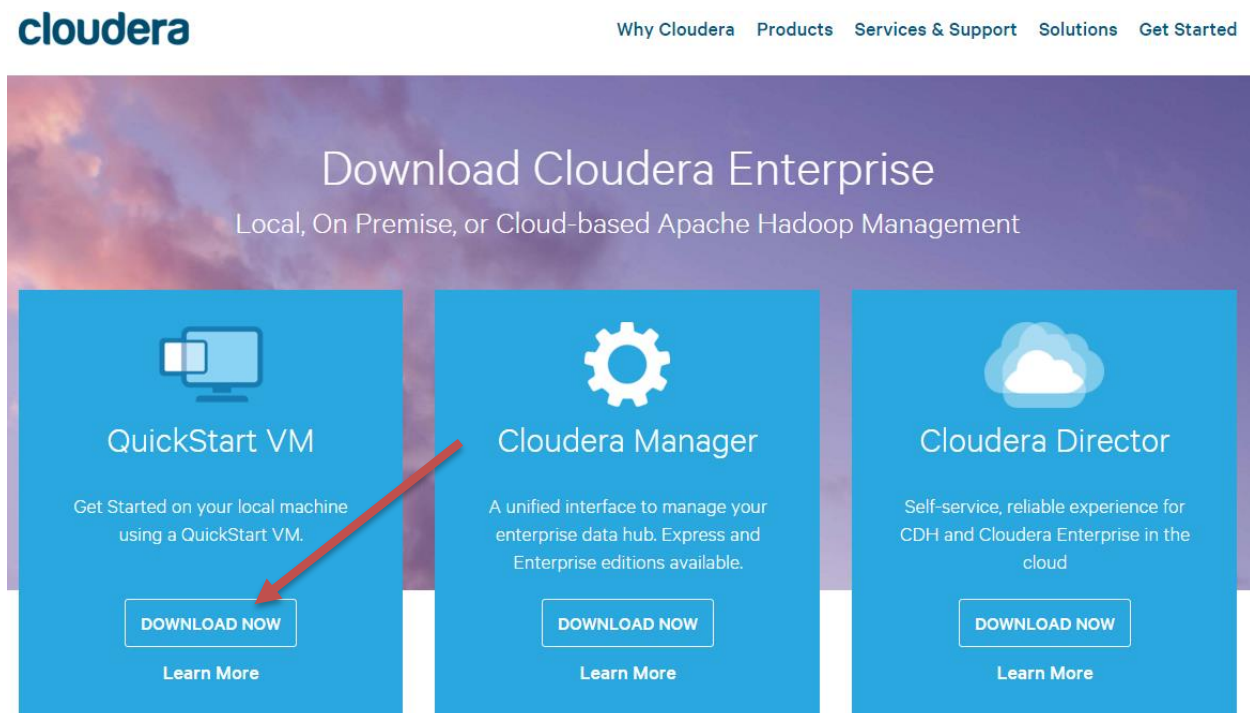
VirtualBox older builds

Step 2: Please use below mentioned link to install Cludera VM in your machine. You need to install Oracle Virtual box first and then import this VM file (download from below mentioned URL) so that you will have your hadoop environment setup.

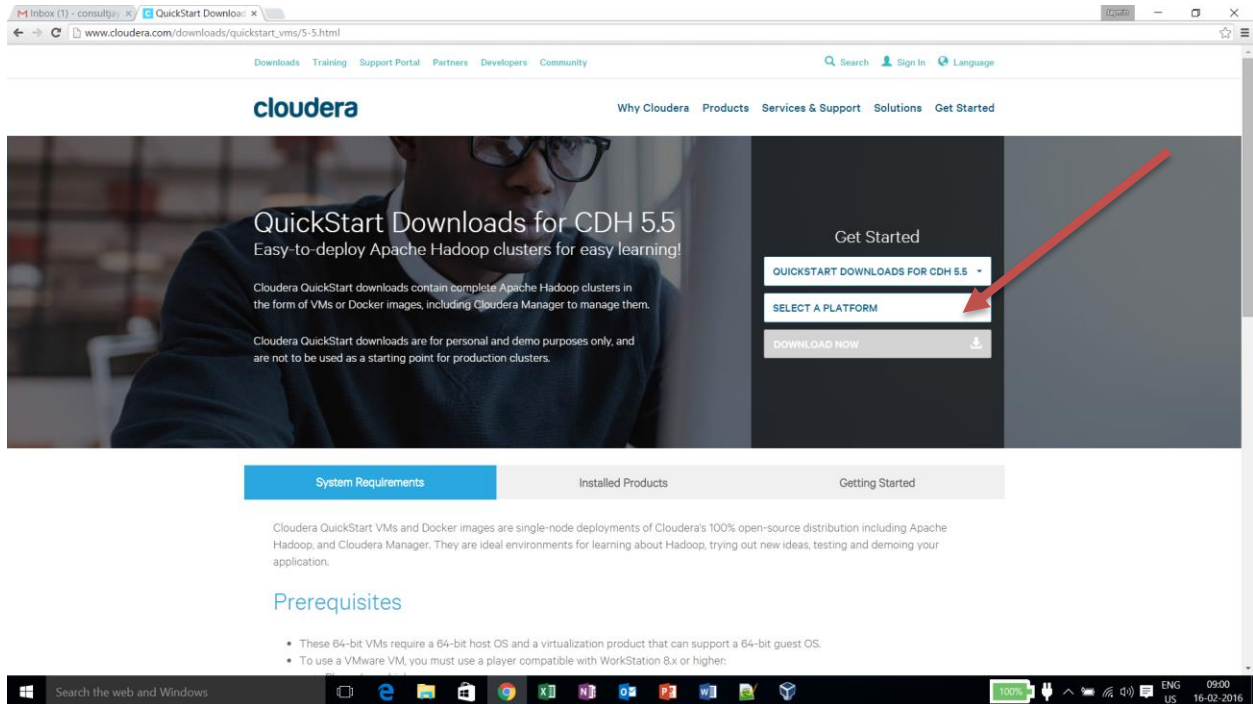
<http://www.cludera.com/content/support/en/downloads/download-components/download-products.html?productID=F6mO278Rvo>

Please follow below mentioned steps to choose the correct version of Cludera VM file.

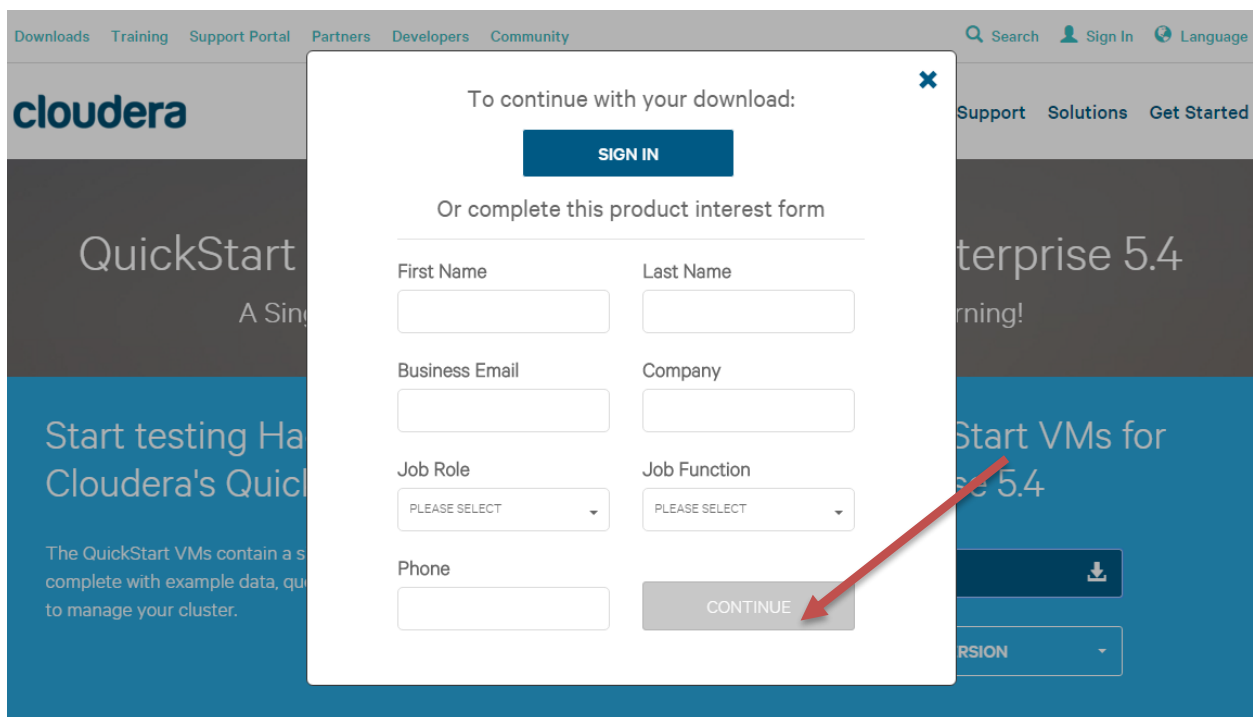
2.1 First click on Quickstart VMs Download Now option as show in below screen shot.



2.2 Then Default version of CDH 5.5.X is already selected, so click on appropriate platform in the drop down as shown below.



Which will open below mentioned screen, fill up all required details as appropriate and then click on CONTINUE.

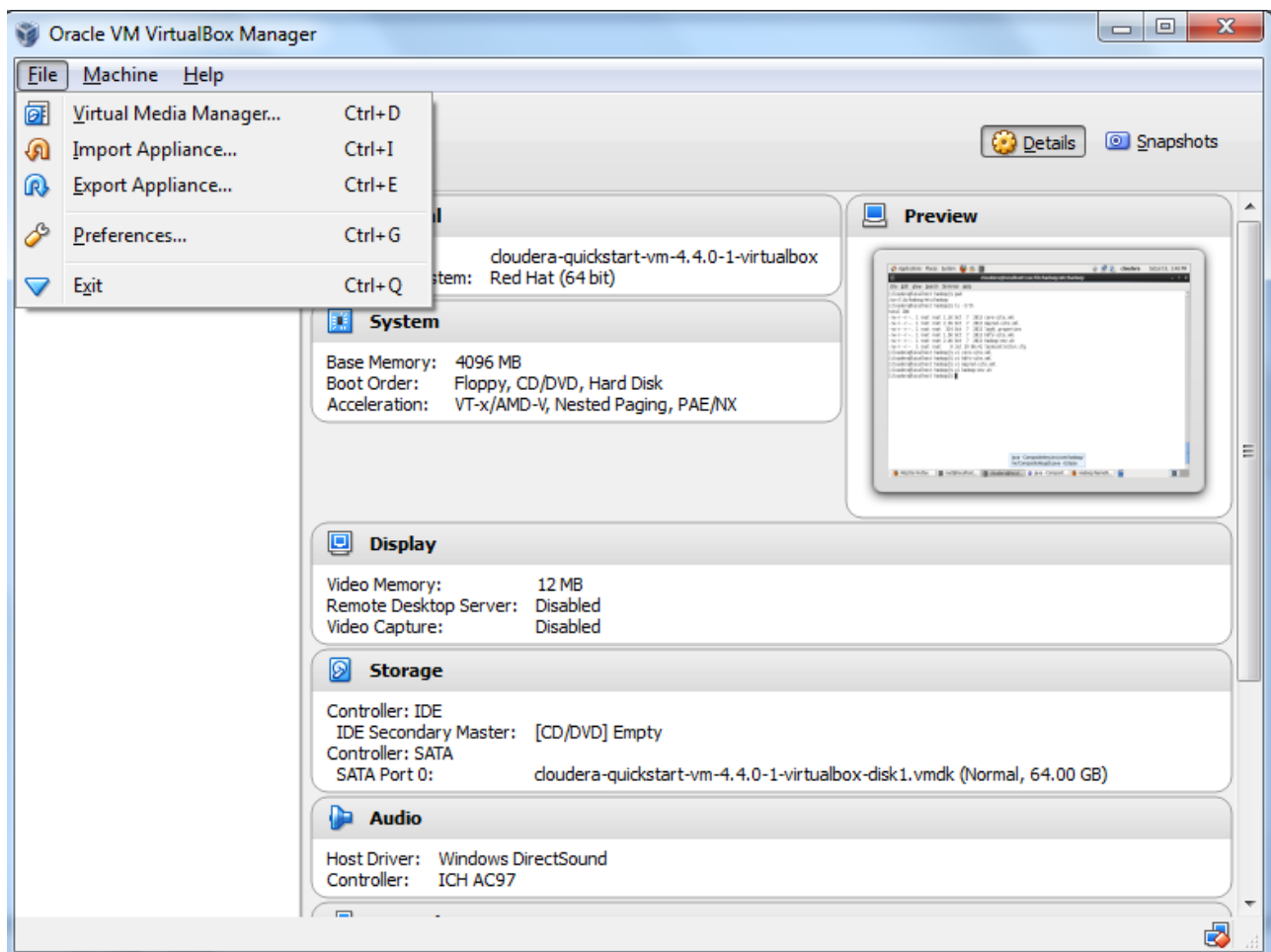


Once you click on CONTINUE button as shown in above figure, the cloudera VM file will be downloaded in your machine. Since it's a big file it may take some time to download and hence please have some patience 😊

Step 3:

First unzip the **cloudera-quickstart-vm** file which you have downloaded by following Step 2.

Then Open Virtual box and Please select the option of **import appliance**. Refer screen shot below. After that please select the ovf file. (this file will be available in the folder where you have installed **cloudera-quickstart-vm** file). After that follow normal process of importing that vm. Thats it. It should help you install the Hadoop VM successfully.



Once you click on Import appliance following screen will appear, you should select the cloudera-quickstart-vm-5.3.0-0-virtualbox.ovf file and click on next and import the same. Once imported successfully, you can start working on the cluster.

