

# Hadoop Installation

There are two ways to get hands on with Hadoop

1. [Logging on to our cluster](#)
2. [On your desktop](#)

## Logging on to our cluster

KnowBigData has bought few ubuntu based servers for the classes. Hadoop will be installed on these servers.

Hadoop NameNode

**Protocol:** ssh  
**Server:** `hadoop1.knowbigdata.com`  
**Login:** student  
**Password:** Cisdees1

Hadoop Data Node

**Protocol:** ssh  
**Server:** `hadoop2.knowbigdata.com` or `hadoop3.knowbigdata.com` or `hadoop4.knowbigdata.com`  
**Login:** student  
**Password:** Cisdees1

***Note: More Data Nodes will be added as and when needed***

To See the **Ambari Administration Console**,

**URL:** <http://hadoop1.knowbigdata.com:8080/>  
**Login:** student  
**Password:** Cisdees1

To interact with hadoop use **Hue**:

**URL:** <http://hadoop1.knowbigdata.com:8000/>  
**Login:** student  
**Password:** Cisdees1

## Logging on to our cluster from Windows

On windows, you would need putty to connect to the server. Please download putty from [here](#) ([direct link to download](#)) and install or you could use browser base system like [this](#).

## Logging on to our cluster from Unix

On unix, linux or mac, you would need to use the following command:

***ssh student@hadoop1.knowbigdata.com***

## On your desktop

To run Hadoop on your desktop, the simplest way is run the cloudera's virtual machines.

### Step1: Install Virtual Box

VirtualBox helps you run a virtual machine on your computer. It will be as if you are running a full computer inside a window on computer.

Download virtual box from here: <https://www.virtualbox.org/wiki/Downloads>

Once you have downloaded Virtual Box, please install it on your machine.

### Step2: Download HortonWorks Virtual Box VM

Please download the HortonWorks VM from the following [Download Page](#) or Direct Link to [Hadoop VM](#)

Once downloaded open it with virtualbox which will import it. Make sure that the networking mode is bridged.

Now you can run this newly downloaded virtualbox vm in the virtual machine installed in step 1.

Find out the IP address of the newly installed machine by using "ifconfig" command and look for ip address of eth0.

Now take this IP address and put in your browser:

**http://<IP ADDRESS>:8000**