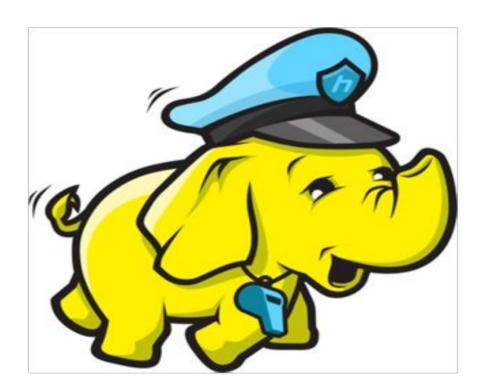
Install Hadoop on Linux based OS Mac OS/Redhat/Ubuntu



Agenda

Install Java & ssh on your Ubuntu Visit Apache Hadoop website Download Hadoop tar.gz file Untar the Hadoop tar.gz file Directory structure of Hadoop What is ssh (Secure Shell) How to configure password less ssh Configuration files in Hadoop Modify configuration files Format Namenode Start the services of Hadoop Verify Hadoop services Stop the services of Hadoop

Install Java & ssh on your Ubuntu

Run the below commands in terminal to install Java

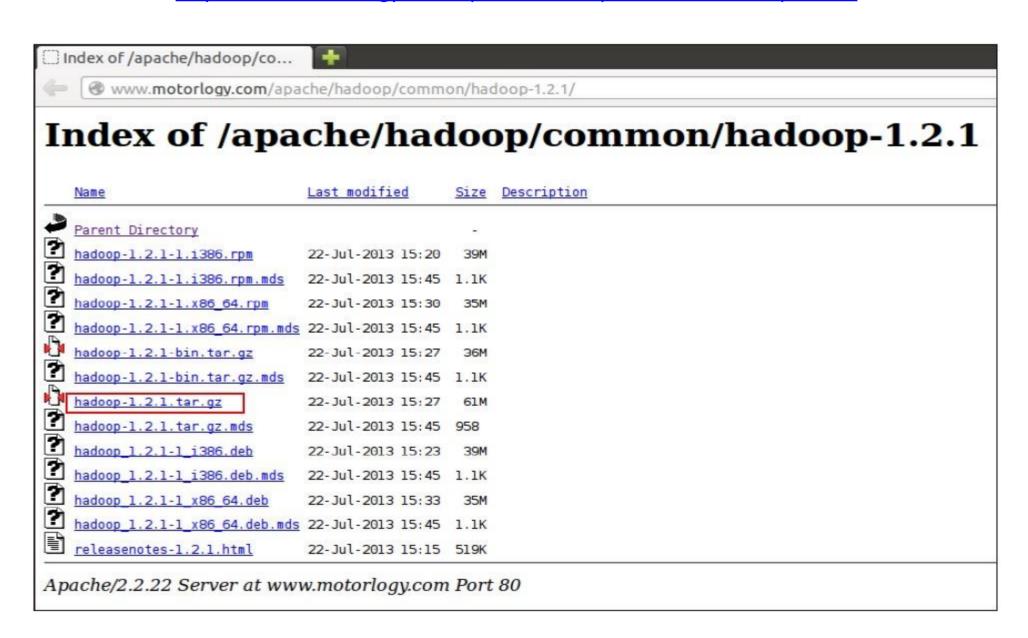
sudo add-apt-repository ppa:webupd8team/java sudo apt-get update sudo apt-get install oracle-java7-installer

Run the below command in terminal to install ssh

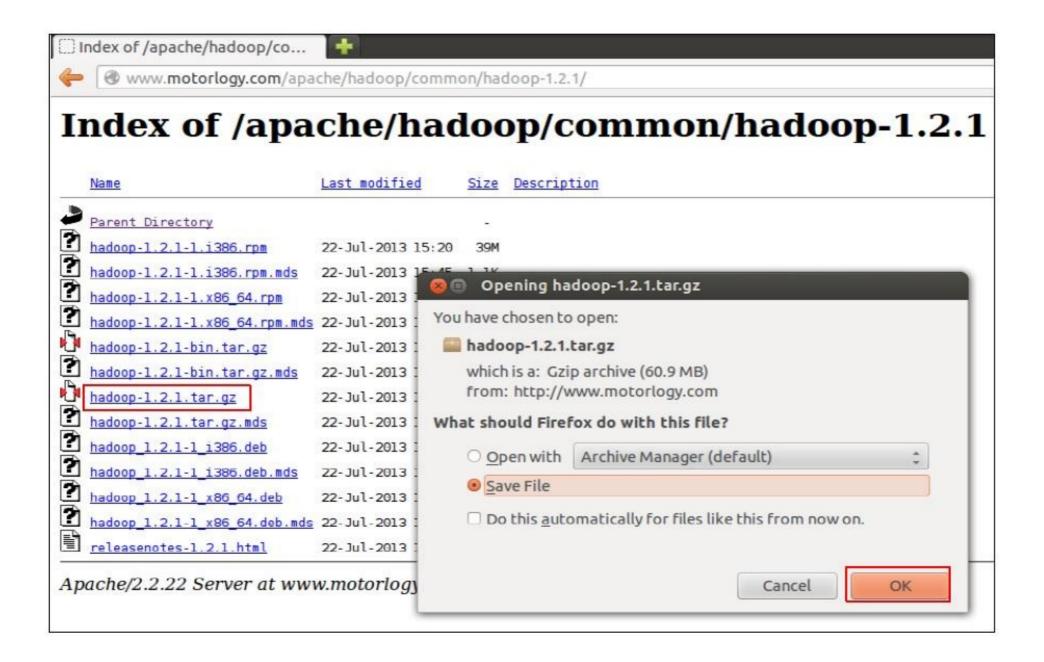
sudo apt-get install openssh-server openssh-client

Download Hadoop tar.gz file

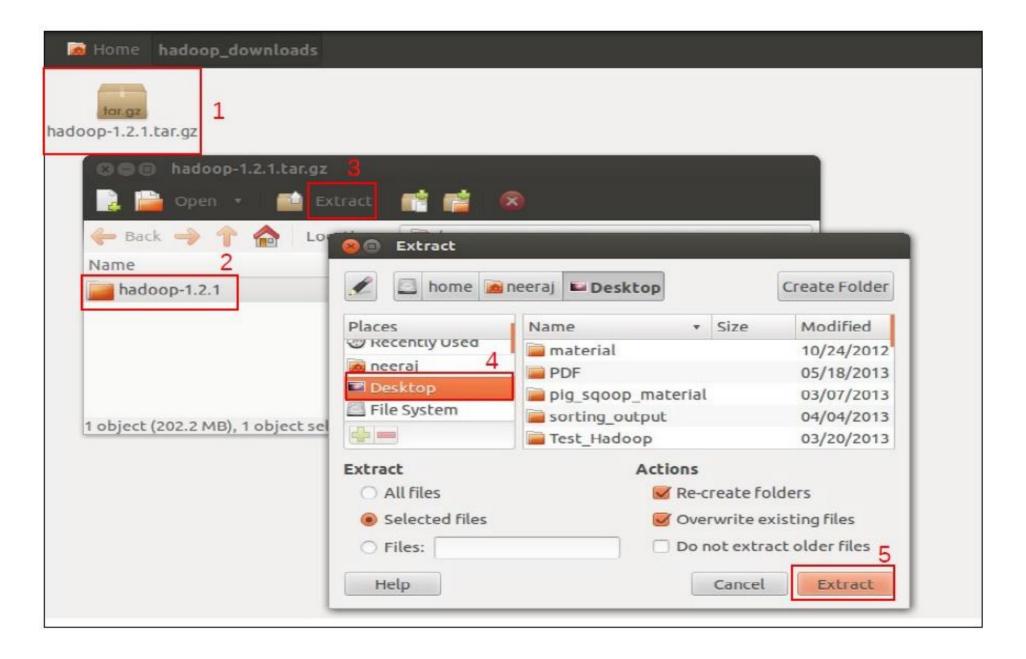
http://www.motorlogy.com/apache/hadoop/common/hadoop-1.2.1/



Click on Save File



Untar the Hadoop tar.gz file



Directory structure of Hadoop

HADOOP_HOME

```
bin [contains scripts to start/stop Hadoop]
conf [contains configuration files of Hadoop]
lib
     [contains libraries to run Hadoop]
src [contains the source code of Hadoop]
logs [contains log files]
```

Configuration files in Hadoop

There are two types of important configuration files in Hadoop...

Default configuration files (Read-only):

```
src/core/core-default.xml
src/hdfs/hdfs-default.xml
src/mapred/mapred-default.xml
```

Site-specific configuration files (can be modified):

```
conf/core-site.xml
conf/hdfs-site.xml
conf/mapred-site.xml
```

What is SSH (Secure Shell)

Tool, used to remotely connect to other machine.

Namenode uses SSH for communicating with Datanodes.

Jobtracker uses SSH for communicating with Tasktrackers.

SSH must be installed, even if you are installing Hadoop on a single machine.

ssh < IP of another machine >

For example... ssh 192.168.342.187

ssh 127.0.0.1

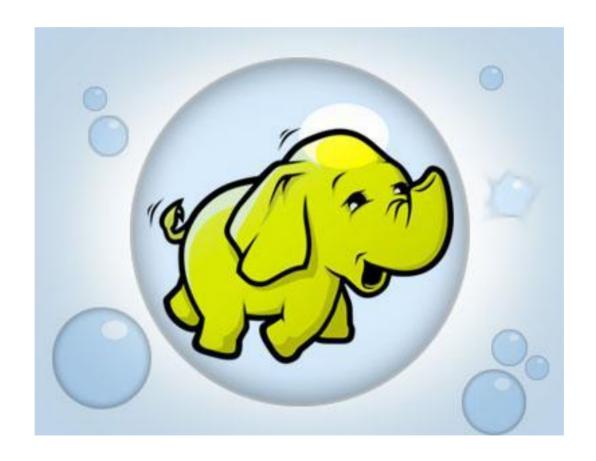
ssh localhost

Run the following command on your terminal

ssh localhost

```
🔞 🖨 🗊 neeraj@ubuntu: ~
neeraj@ubuntu:~$ ssh localhost
neeraj@localhost's password:
Welcome to Ubuntu 12.04.1 LTS (GNU/Linux 3.2.0-31-generic x86_64)
 * Documentation: https://help.ubuntu.com/
Last login: Sun Oct 7 22:14:11 2012 from localhost
bash profile is working...
neeraj@ubuntu:~$
```

...Thanks...



For online Hadoop training, send mail to neeraj.ymca.2k6@gmail.com