

# Spark Installation Guide

Ladle Patel



#### Java Installation

```
ubuntu@ip-172-31-56-161:~$ sudo add-apt-repository ppa:webupd8team/java -y
ubuntu@ip-172-31-56-161:~$ sudo apt-get update
ubuntu@ip-172-31-56-161:~$ sudo apt-get install oracle-java8-installer
```

sudo add-apt-repository ppa:webupd8team/java -y

sudo apt-get update

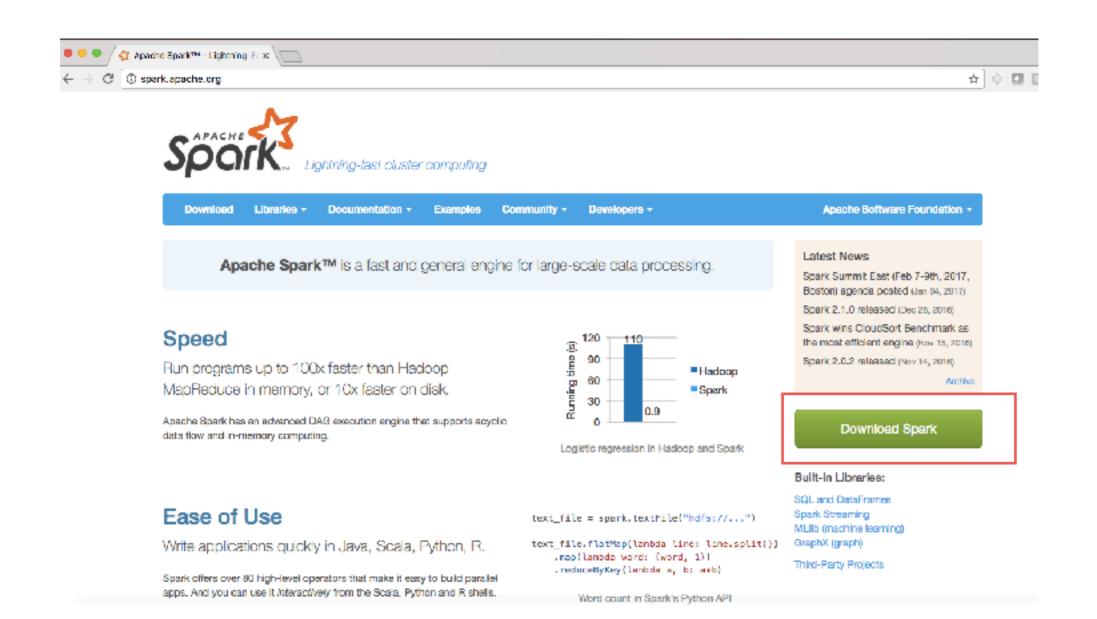
sudo apt-get install oracle-java8-installer

java -version



## Spark Installation

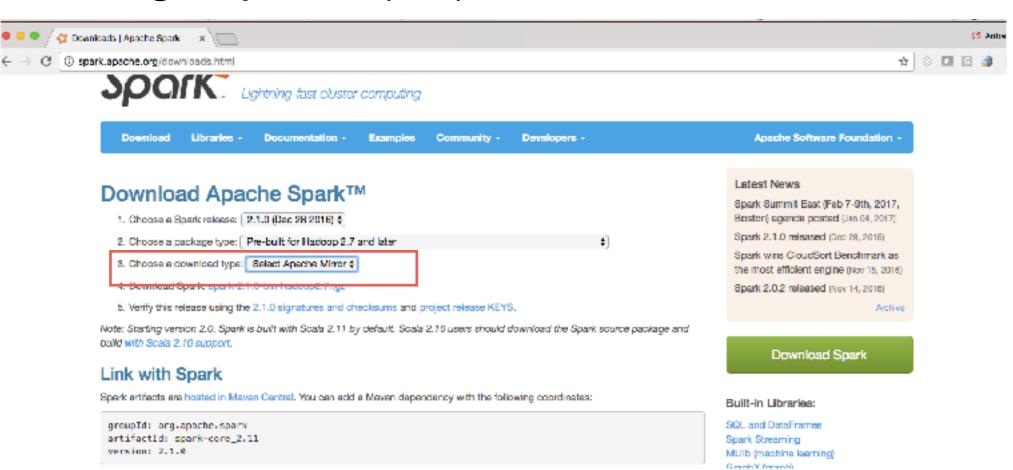
- Goto <a href="http://spark.apache.org/">http://spark.apache.org/</a>
- Click on Downloads (Marked in below image)





## Spark Installation Cont..

 Choose a download type as "Select Apache mirror" (Chose Direct Download option if you are installing in your laptop or server which has GUI).





## Spark Installation Cont..

 Copy below suggested URL and paste using by preceding wget command at terminal.



# Spache

### Spark Installation Cont..

```
ubuntu@ip-172-31-56-161:~$ wget http://mirror.fibergrid.in/apache/spark/spark-2.1.0/
spark-2.1.0-bin-hadoop2.7.tgz
```

- Download spark tar file
   wget <a href="http://mirror.fibergrid.in/apache/spark/spark-2.1.0/spark-2.1.0-bin-hadoop2.7.tgz">http://mirror.fibergrid.in/apache/spark/spark-2.1.0-bin-hadoop2.7.tgz</a>
- unzip downloaded file

```
tar -xzvf spark-2.1.0-bin-hadoop2.7.tgz
```

Rename file

```
mv spark-2.1.0-bin-hadoop2.7 spark
```



#### Set the Path

Edith bash file.

```
ubuntu@ip-172-31-56-161:~$ vi ~/.bashrc
```

```
-/.bashro: executed by bash(1) for non-login shells.
 see /usr/shere/doc/bash/exemples/startup files (in the package bash doc)
 for examples
If not running interactively, don't do anything
case S- in
 efe) ;;
     return;;
export SPARK_HOME=/home/ubuntu/spark
export PATH=$PATH:SSPARK_HOME/bin
don't put dublicate lines or lines starting with space in the history.
 See bash(1) for more options
(ISTCONTROL=ignoreboth
append to the history file, don't overwrite it
shopt —a histeopend
 for setting history length see HISTSIZE and HISTFILESIZE in bash(1)
USTS12E=1889
HISTFILESIZE-2908
 check the window size after each command and, if necessary,
 update the values of LINES and COLUMNS.
hopt -s checkwinsize
If set, the pattern "+++" used in a pathness expansion context will.
```

```
ubuntu@ip-172-31-56-161:~$ source ~/.bashrc
ubuntu@ip-172-31-56-161:~$ ■
```



#### Set the Path Cont..

vi ~/.bashrc

export SPARK\_HOME=/home/ubuntu/spark

export PATH=\$PATH:\$SPARK\_HOME/bin

Compile the changes

Compile changes.

source ~/.bashrc



# Starting Spark

Starting Spark with Python

ubuntu@ip-172-31-56-161:~\$ pyspark

pyspark

Starting Spark with Scala

Last login: Sun Mar 26 12:39:19 2017 from 49.297.66.66 ubuntu№ip-172-31 56-161:~å sperk shell ■

spark-shell



Thank You.