**How to Download Apache Spark on LinuxMint**

1. Check that you have **Java** installed on your system:

$ java -version

Download Java if you don’t have it installed already.

2. a) Download **Scala** from [**here**](http://www.scala-lang.org/download/2.10.4.html).

b) Extract the Scala tar file:

$ tar xvf scala-2.12.1.tgz // search for tar file if needed

c) Move scala software files

$ su -

Password:

# cd /home/???/Downloads/ // replace ??? with your user dir

# mv scala-2.12.1 /usr/local/scala

# exit

d) Set PATH for Scala

$ export PATH=$PATH:/usr/local/scala/bin

e) Verify that Scala is downloaded:

$scala -version

Scala code runner version 2.11.6 – Copyright 2002-2013, LAMP/EPFL

3. a) Download the version of Apache **Spark** you want onto your machine [here](http://spark.apache.org/downloads.html).

b) Extract the Spark tar file:

$ tar xvf spark-2.1.0-bin-hadoop2.7.tgz // search for tar file if needed

c) Move Spark software files

$ su -

Password:

# cd /home/???/Downloads/ // replace ??? with your user dir

# mv spark-2.1.0-bin-hadoop2.7 /usr/local/spark

# exit

d) Set up Spark environment

i. Add following line to **~/bashrc** file:

export PATH = $PATH:/usr/local/spark/bin

ii. Use following command to source the file:

$ source ~/.bashrc

e) Verify Spark installation:

$spark-shell

\* If this doesn’t work, try:

$ cd /usr/local/spark/bin

$ ./spark-shell OR $ ./pyspark

4. Spark-shell

**If Spark was installed successfully then you will find the following output.**

Spark assembly has been built with Hive, including Datanucleus jars on classpath

Using Spark's default log4j profile: org/apache/spark/log4j-defaults.properties

15/06/04 15:25:22 INFO SecurityManager: Changing view acls to: hadoop

15/06/04 15:25:22 INFO SecurityManager: Changing modify acls to: hadoop

15/06/04 15:25:22 INFO SecurityManager: SecurityManager: authentication disabled;

ui acls disabled; users with view permissions: Set(hadoop); users with modify permissions: Set(hadoop)

15/06/04 15:25:22 INFO HttpServer: Starting HTTP Server

15/06/04 15:25:23 INFO Utils: Successfully started service 'HTTP class server' on port 43292.

Welcome to

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Using Scala version 2.10.4 (Java HotSpot(TM) 64-Bit Server VM, Java 1.7.0\_71)

Type in expressions to have them evaluated.

Spark context available as sc

scala>