**Installation of Scala 2.12.2 and Spark 2.1.0 for hadoop 2.6.0**

$java -version

If Java is already, installed on your system, you get to see the following response −

java version "1.7.0\_71"

Java(TM) SE Runtime Environment (build 1.7.0\_71-b13)

Java HotSpot(TM) Client VM (build 25.0-b02, mixed mode)

In case you do not have Java installed on your system, then Install Java before proceeding to next step.

**Scala Installation**

su hduser

cd ~

sudo apt-get update

sudo apt-get install scala

Verifying Scala Installation

After installation, it is better to verify it. Use the following command for verifying Scala installation.

$scala -version

If Scala is already installed on your system, you get to see the following response −

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

**Download Spark**

**cd ~**

**wget http://archive.apache.org/dist/spark/spark-2.1.0/**[spark-2.1.0-bin-hadoop2.6.tgz](http://archive.apache.org/dist/spark/spark-2.1.0/spark-2.1.0-bin-hadoop2.6.tgz)

$ tar -xvzf [spark-2.1.0-bin-hadoop2.6.tgz](http://a.mbbsindia.com/spark/spark-1.3.1/spark-1.3.1-bin-hadoop2.6.tgz)

**sudo mv** [spark-2.1.0-bin-hadoop2.6](http://a.mbbsindia.com/spark/spark-1.3.1/spark-1.3.1-bin-hadoop2.6.tgz) spark

**sudo mv spark /usr/local/**

nano ~/.bashrc

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

source ~/.bashrc

## Verifying the Spark Installation

Write the following command for opening Spark shell.

$spark-shell

If spark is 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>

web UI => localhost:4040