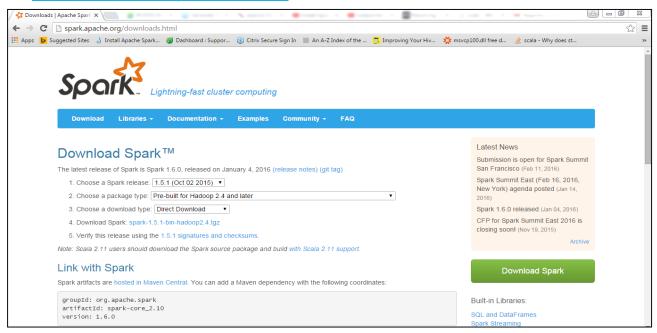


SPARK – INSTALLATION GUIDE (WINDOWS 7)

Step 1: Go to the following link and download Spark:

http://spark.apache.org/downloads.html



Step 2: After downloading, extract the .jar file into a particular folder where you want to keep Spark.

Step 3: After extracting the .jar file, use the following commands to start Spark:

Change the directory using cd command:

```
Administrator: C:\Windows\system32\cmd.exe

Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

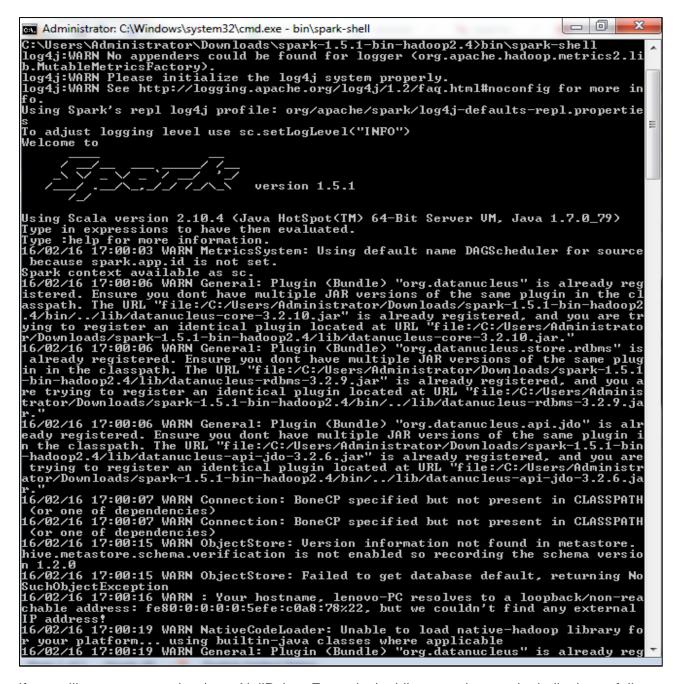
C:\Users\Administrator>cd Downloads

C:\Users\Administrator\Downloads>cd spark-1.5.1-bin-hadoop2.4

C:\Users\Administrator\Downloads\spark-1.5.1-bin-hadoop2.4>
```



 Use the following command to open the Spark Shell: bin\spark-shell



If you will get any exception (e.g.: NullPointerException) while executing spark-shell, please follow the following steps:

The exception is often caused by a missing winutils.exe file that Spark needs in order to initialize the Hive context, which in turn depends upon Hadoop, which requires native libraries on Windows to work properly. Unfortunately, this happens even if you are using Spark in local mode without utilizing any of the HDFS features directly.



To resolve this problem, you need to:

Download the 64-bit winutils.exe

https://github.com/steveloughran/winutils/tree/master/hadoop-2.6.0/bin

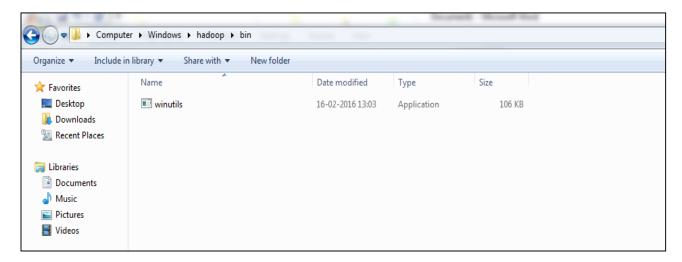
Direct download link:

https://github.com/steveloughran/winutils/raw/master/hadoop-2.6.0/bin/winutils.exe

Note:

There is a different winutils.exe file for the 32-bit Windows version and it will work on the 64-bit Windows Version

Copy the downloaded file winutils.exe int a folder like c:\hadoop\bin (or c:\spark\hadoop\bin)

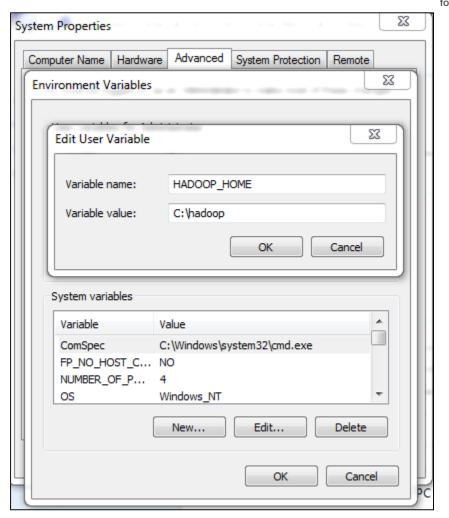


Set the environment variable HADOOP_HOME to point to the above directory but without \bin.

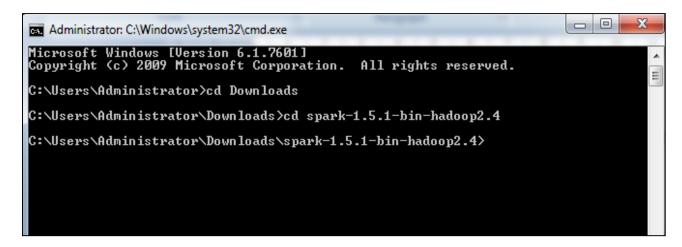
For Example:

If you copied the winutils.exe to C:\hadoop\bin, set HADOOP_HOME=C:\hadoop





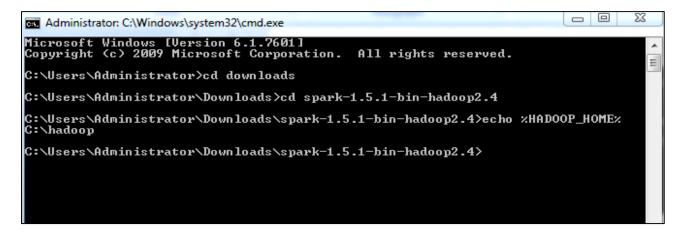
In Command Prompt change the directory:





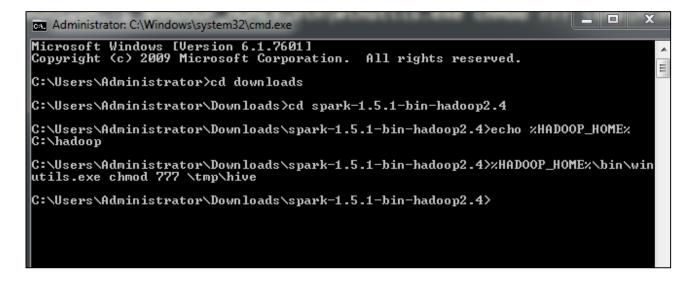
 Check that the environment variable HADOOP_HOME is set properly by opening Command Prompt and running the following

echo %HADOOP_HOME%



Set permissions:

%HADOOP HOME%\bin\winutils.exe chmod 777 \tmp\hive





Run the Spark Shell

bin\spark-shell

