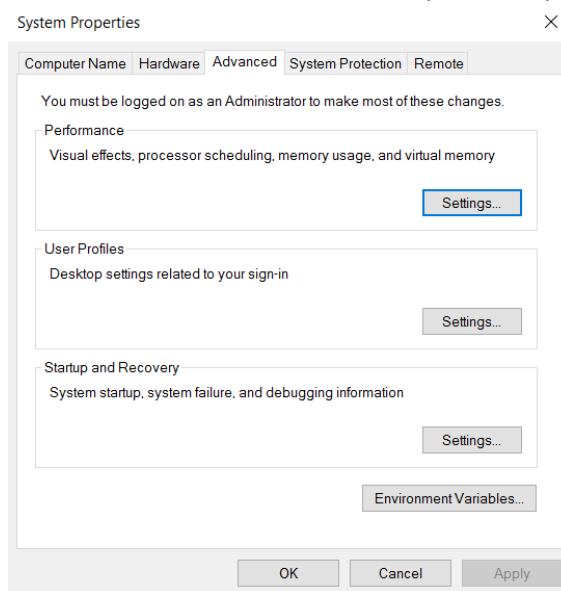


Installing Spark on Windows 10.

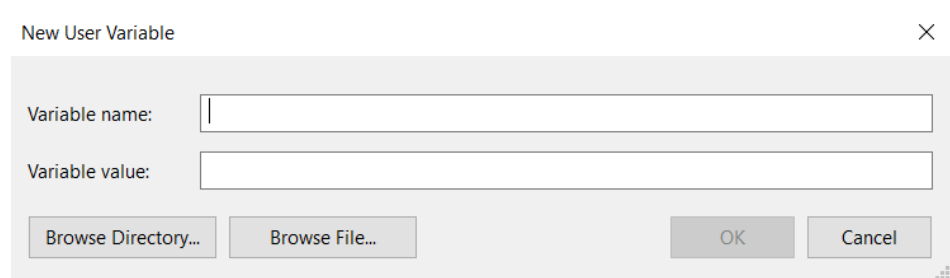
1. Install Scala:

- a. Download Scala from the link: <http://downloads.lightbend.com/scala/2.11.8/scala-2.11.8.msi>
- b. Install Scala (I installed it to C:\Program Files (x86)\scala)
- c. Set environmental variables:
 - i. Find the Environmental button in System Properties



ii. User variable:

- Click New. Below window will pop out



- Variable: SCALA_HOME
- Value: C:\Program Files (x86)\scala

System variable:

- Click PATH
- Then click EDIT
- Then click NEW
- Paste C:\Program Files (x86)\scala\bin

2. Install Java 8:

- a. Download Java 8 from the link.
<http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>
- b. Install Java (I installed it to C:\Program Files (x86)\Java)
- c. Set environmental variables:
User variable:
 - Variable: JAVA_HOME
 - Value: C:\Program Files\Java\jdk1.8.0_101System variable:
 - Click PATH
 - Then click EDIT
 - Then click NEW
 - Paste C:\Program Files\Java\jdk1.8.0_101

3. Install Eclipse:

- a. Download and install Eclipse. <https://eclipse.org/downloads/>
- b. I installed it to C drive (C:\Users\endmy\eclipse\java-neon\eclipse)
- c. Set environmental variables:
User variable:
 - Variable: ECLIPSE_HOME
 - Value: C:\Users\endmy\eclipse\java-neon\eclipseSystem variable:
 - Eclipse Neon does not have bin. If your Eclipse is a version that has bin folder. Paste the directory under PATH – EDIT - NEW (e.g. C:\eclipse \bin)

4. Install Spark 2.0.0.

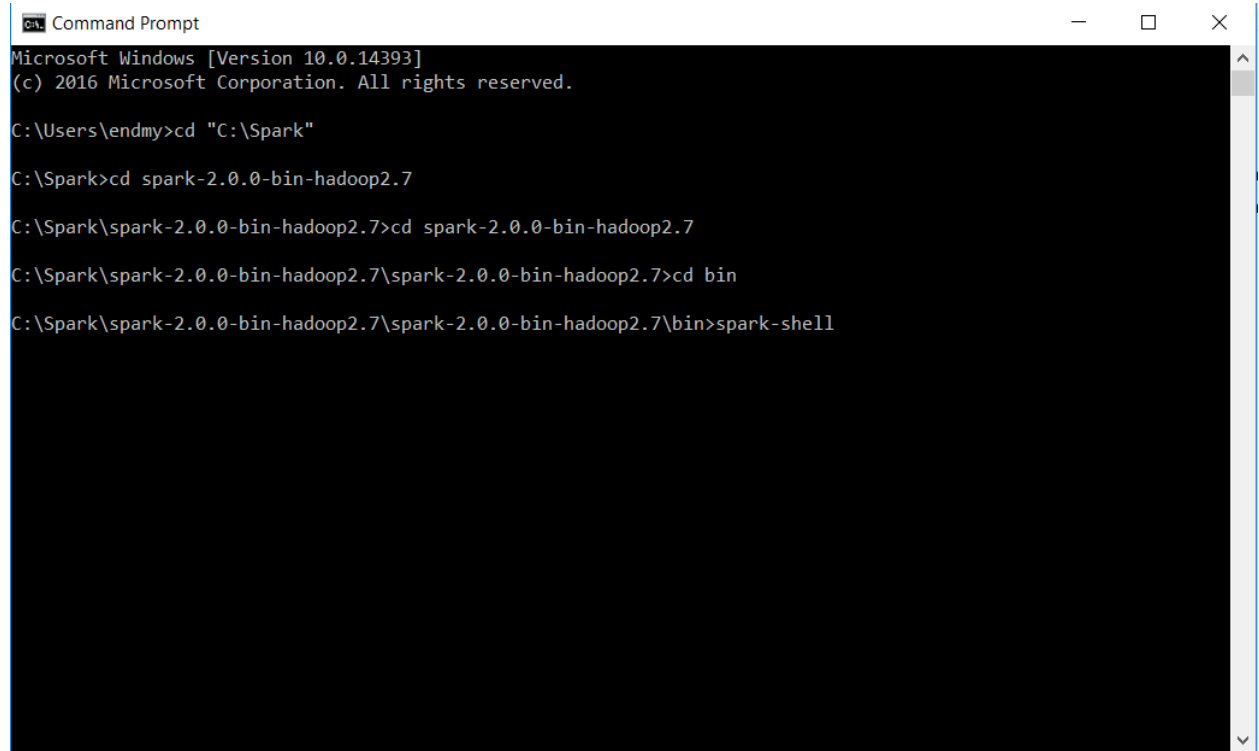
- a. Download it from the following link: <http://spark.apache.org/downloads.html>
- b. Unzip the tgz file (I unzipped it to C drive)
- c. Unzip the tar file (The final dir for mine looks like this: C:\Spark\spark-2.0.0-bin-hadoop2.7\spark-2.0.0-bin-hadoop2.7)
- d. Set environmental variables:
User variable:
 - Variable: SPARK_HOME
 - Value: C:\Spark\spark-2.0.0-bin-hadoop2.7\spark-2.0.0-bin-hadoop2.7System variable:
 - Click PATH

- Then click EDIT
- Then click NEW
- Paste C:\Spark\spark-2.0.0-bin-hadoop2.7\spark-2.0.0-bin-hadoop2.7\bin

5. Download Windows Utilities:

- Download it from the link (winutils.exe).
<https://github.com/steveloughran/winutils/tree/master/hadoop-2.6.0/bin>
- And paste it in C:\Spark\spark-2.0.0-bin-hadoop2.7\spark-2.0.0-bin-hadoop2.7\bin

6. Execute Spark on cmd:



```
Command Prompt
Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.

C:\Users\endmy>cd "C:\Spark"

C:\Spark>cd spark-2.0.0-bin-hadoop2.7

C:\Spark\spark-2.0.0-bin-hadoop2.7>cd spark-2.0.0-bin-hadoop2.7

C:\Spark\spark-2.0.0-bin-hadoop2.7\spark-2.0.0-bin-hadoop2.7>cd bin

C:\Spark\spark-2.0.0-bin-hadoop2.7\spark-2.0.0-bin-hadoop2.7\bin>spark-shell
```

Result:

```
Command Prompt - spark-shell

C:\Spark\spark-2.0.0-bin-hadoop2.7\spark-2.0.0-bin-hadoop2.7>cd bin

C:\Spark\spark-2.0.0-bin-hadoop2.7\spark-2.0.0-bin-hadoop2.7\bin>spark-shell
Using Spark's default log4j profile: org/apache/spark/log4j-defaults.properties
Setting default log level to "WARN".
To adjust logging level use sc.setLogLevel(newLevel).
16/09/26 23:10:13 WARN NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin
-java classes where applicable
16/09/26 23:10:17 WARN SparkContext: Use an existing SparkContext, some configuration may not take effect.
Spark context Web UI available at http://192.168.56.1:4040
Spark context available as 'sc' (master = local[*], app id = local-1474956616715).
Spark session available as 'spark'.
Welcome to

  ____
 /  _ \
/_/_/  \_/_/  version 2.0.0

Using Scala version 2.11.8 (Java HotSpot(TM) 64-Bit Server VM, Java 1.8.0_101)
Type in expressions to have them evaluated.
Type :help for more information.

scala>
```