Install spark-shell on MAC OS:

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step1. Install brew.

$ **/usr/bin/ruby -e "$(curl -fsSL** [**https://raw.githubusercontent.com/Homebrew/install/master/install**](https://raw.githubusercontent.com/Homebrew/install/master/install)**)"**

==> This script will install:

/usr/local/bin/brew

/usr/local/share/doc/homebrew

/usr/local/share/man/man1/brew.1

/usr/local/share/zsh/site-functions/\_brew

/usr/local/etc/bash\_completion.d/brew

/usr/local/Homebrew

step2:

$ xcode-select --install

You get below if command line tools are already installed , then ignore this and move to step 3 .

“xcode-select: error: command line tools are already installed, use "Software Update" to install updates”

Step3: Install Java.

$ brew cask install java

It will ask your password and at the end you get “ java was successfully installed!” message.

Step4:Install scala band spark

$ brew install scala

$ brew install apache-spark

Step5:

$ spark-shell

Spark context Web UI available at http://88e9fe767.:4040

Spark context available as 'sc' (master = local[\*], app id = local-1572297321573).

Spark session available as 'spark'.

Welcome to

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Using Scala version 2.11.12 (Java HotSpot(TM) 64-Bit Server VM, Java 1.8.0\_201)

Type in expressions to have them evaluated.

scala>

This confirms spark-shell installation and configuration is succesfull on Mac OS.

Install Spark-shell on Windows:

Step1: **Download & Install Java 8**

1. Download Java JDK 8 from below official oracle website.

<https://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>

1. Set the environment variables

JAVA\_HOME= C:\Program Files\Java\jdk1.8.0\_231

PATH += C:\Program Files\Java\jdk1.8.0\_231\bin

Step2: **Download & Install Spark**

1. Download spark from below. Choose [spark-2.4.4-bin-hadoop2.7.tgz](https://www.apache.org/dyn/closer.lua/spark/spark-2.4.4/spark-2.4.4-bin-hadoop2.7.tgz)

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

1. Extract the .tgz file into D:\Spark
2. Set the environment variables

SPARK\_HOME = D:\Spark\spark-2.3.0-bin-hadoop2.7

PATH += D:\Spark\spark-2.3.0-bin-hadoop2.7\bin

Step3: **Download Winutils.exe**

1. Download winutils from here

[https://github.com/steveloughran/winutils](https://github.com/steveloughran/winutils" \t "_blank)

If you chose the same version as me (hadoop-2.7.1) ,is the direct link: <https://github.com/steveloughran/winutils/blob/master/hadoop-2.7.1/bin/winutils.exe>

2.  Move the winutils.exe file to the bin folder inside SPARK\_HOME, D:\Spark\spark-2.3.0- bin-hadoop2.7\bin

3. Set the environment variable to be the same as SPARK\_HOME:

HADOOP\_HOME = D:\Spark\spark-2.3.0-bin-hadoop2.7

Step4: **Install Scala:**

1. Download Scala from [their official website](http://www.scala-lang.org/download/)

https://www.scala-lang.org/download/

Download the Scala binaries for Windows (*scala-2.12.4.msi* )

2. Install Scala from the **.msi** file

3. Set the environment variables:

SCALA\_HOME = C:\Progra~2\scala

PATH += C:\Progra~2\scala\bin

Step5: Verify spark-shell is working by navigating to the location where spark binaries are available. D:\Spark\spark-2.3.0-bin-hadoop2.7\bin

$ spark-shell

Welcome to

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/\_\_\_/ .\_\_/\\_,\_/\_/ /\_/\\_\ version 2.4.4

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Using Scala version 2.11.12 (Java HotSpot(TM) 64-Bit Server VM, Java 1.8.0\_201)

Type in expressions to have them evaluated.

scala>

This confirms spark-shell installation and configuration is succesfull on Widows.