

INSTALLATION MANUAL: SCALA ON UBUNTU

Step 1: Download the latest version of Scala from Scala's Website

<http://www.scala-lang.org/files/archive/>

`sudo wget http://www.scala-lang.org/files/archive/scala-2.11.6.tgz`

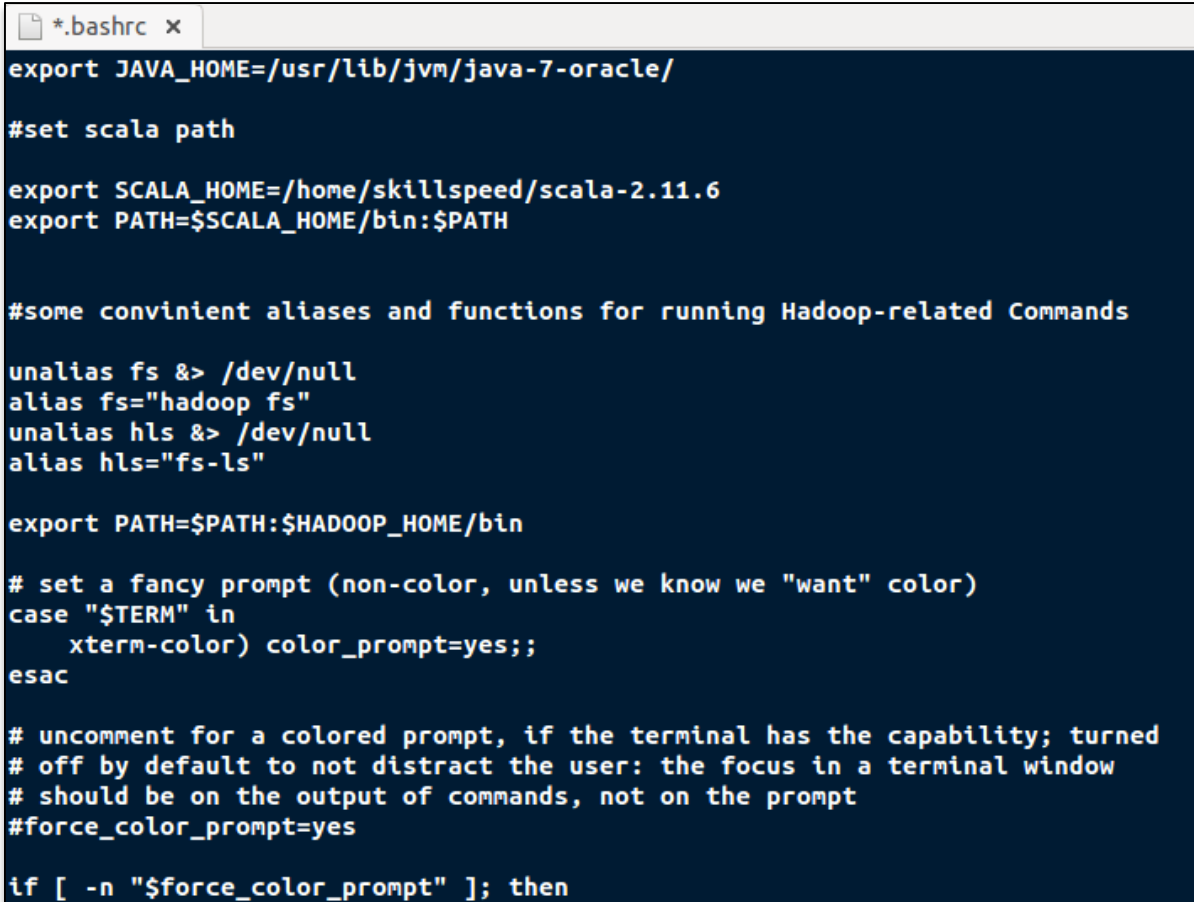
```
skillspeed@ubuntuvm: ~  
skillspeed@ubuntuvm:~$ sudo wget http://www.scala-lang.org/files/archive/scala-2.11.6.tgz  
--2015-07-27 11:07:06-- http://www.scala-lang.org/files/archive/scala-2.11.6.tgz  
Resolving www.scala-lang.org (www.scala-lang.org)... 128.178.154.159  
Connecting to www.scala-lang.org (www.scala-lang.org)|128.178.154.159|:80... connected.  
HTTP request sent, awaiting response... 200 OK  
Length: 27130723 (26M) [application/x-gzip]  
Saving to: 'scala-2.11.6.tgz'  
  
100%[=====] 2,71,30,723 183KB/s in 2m 45s  
  
2015-07-27 11:09:53 (160 KB/s) - 'scala-2.11.6.tgz' saved [27130723/27130723]  
  
skillspeed@ubuntuvm:~$  
skillspeed@ubuntuvm:~$
```

Step 2: Untar the Archive

```
skillspeed@ubuntuvm: ~  
skillspeed@ubuntuvm:~$ sudo tar -zxvf scala-2.11.6.tgz  
scala-2.11.6/  
scala-2.11.6/man/  
scala-2.11.6/man/man1/  
scala-2.11.6/man/man1/scala.1  
scala-2.11.6/man/man1/scalap.1  
scala-2.11.6/man/man1/fsc.1  
scala-2.11.6/man/man1/scaladoc.1  
scala-2.11.6/man/man1/scalac.1  
scala-2.11.6/bin/  
scala-2.11.6/bin/scalac  
scala-2.11.6/bin/fsc  
scala-2.11.6/bin/fsc.bat  
scala-2.11.6/bin/scala  
scala-2.11.6/bin/scalap  
scala-2.11.6/bin/scaladoc.bat  
scala-2.11.6/bin/scaladoc  
scala-2.11.6/bin/scalac.bat  
scala-2.11.6/bin/scala.bat  
scala-2.11.6/bin/scalap.bat  
scala-2.11.6/doc/  
scala-2.11.6/doc/tools/  
scala-2.11.6/doc/tools/index.html  
scala-2.11.6/doc/tools/scalap.html  
scala-2.11.6/doc/tools/images/
```

Step 3: Modify both the PATH and CLASSPATH to point to the new Scala installation

```
gedit .bashrc
```



```
*.bashrc x
export JAVA_HOME=/usr/lib/jvm/java-7-oracle/

#set scala path

export SCALA_HOME=/home/skillspeed/scala-2.11.6
export PATH=$SCALA_HOME/bin:$PATH

#some convinient aliases and functions for running Hadoop-related Commands

unalias fs &> /dev/null
alias fs="hadoop fs"
unalias hls &> /dev/null
alias hls="fs-ls"

export PATH=$PATH:$HADOOP_HOME/bin

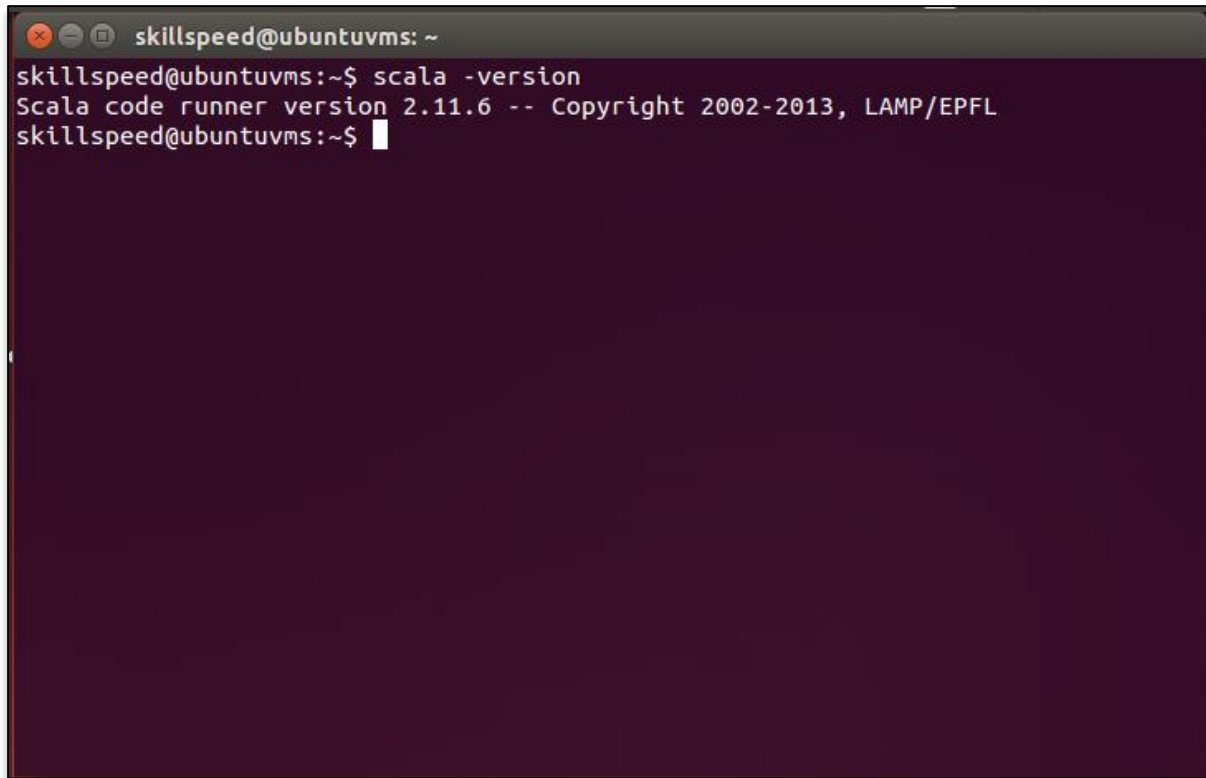
# set a fancy prompt (non-color, unless we know we "want" color)
case "$TERM" in
    xterm-color) color_prompt=yes;;
esac

# uncomment for a colored prompt, if the terminal has the capability; turned
# off by default to not distract the user: the focus in a terminal window
# should be on the output of commands, not on the prompt
#force_color_prompt=yes

if [ -n "$force_color_prompt" ]; then
```

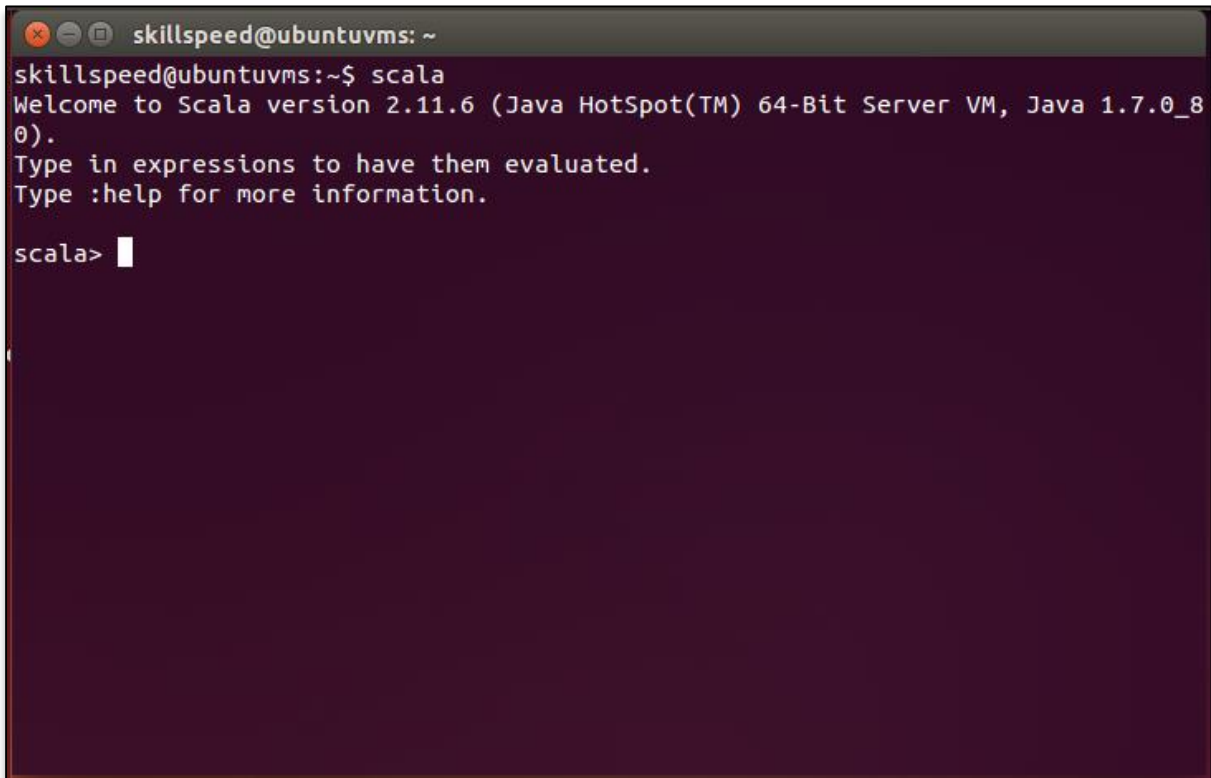
Step 4: Now reboot the system and re-open the terminal

Step 5: Verify the Installation

A terminal window with a dark purple background and a title bar that reads "skillspeed@ubuntuvms: ~". The terminal shows the command "scala -version" being executed, which returns the output "Scala code runner version 2.11.6 -- Copyright 2002-2013, LAMP/EPFL". The prompt "skillspeed@ubuntuvms:~\$" is visible at the end of the line.

```
skillspeed@ubuntuvms: ~  
skillspeed@ubuntuvms:~$ scala -version  
Scala code runner version 2.11.6 -- Copyright 2002-2013, LAMP/EPFL  
skillspeed@ubuntuvms:~$
```

Step 6: You should also be able to enter into the Scala interactive shell by just typing `scala`



```
skillspeed@ubuntuvm: ~  
skillspeed@ubuntuvm:~$ scala  
Welcome to Scala version 2.11.6 (Java HotSpot(TM) 64-Bit Server VM, Java 1.7.0_80).  
Type in expressions to have them evaluated.  
Type :help for more information.  
  
scala> 
```