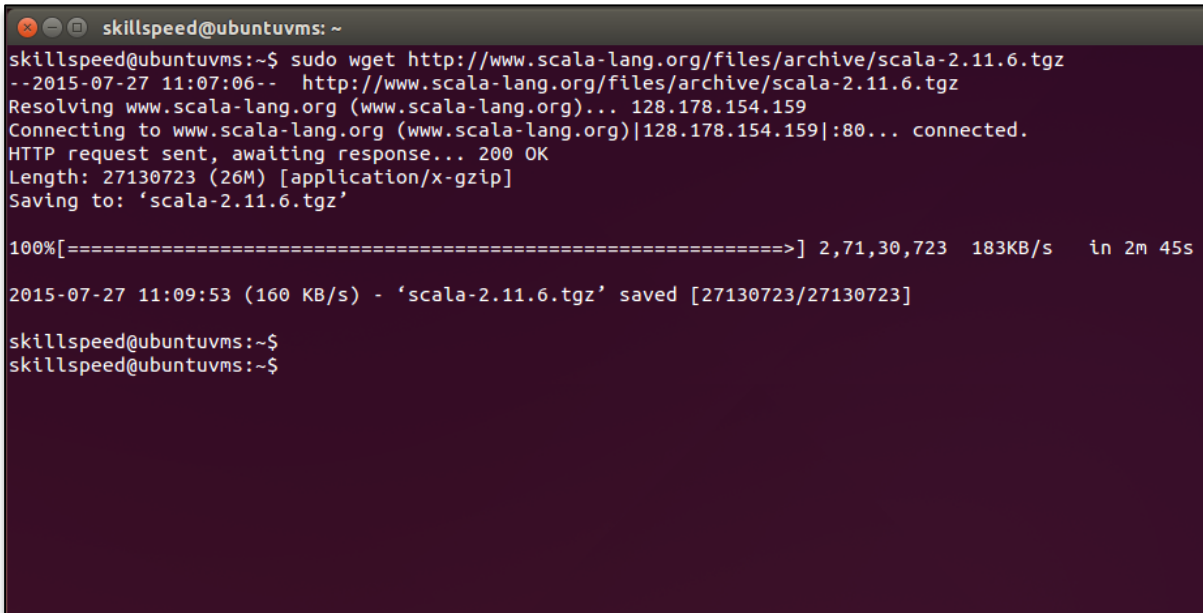


INSTALLATION MANUAL: SCALA ON UBUNTU

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`



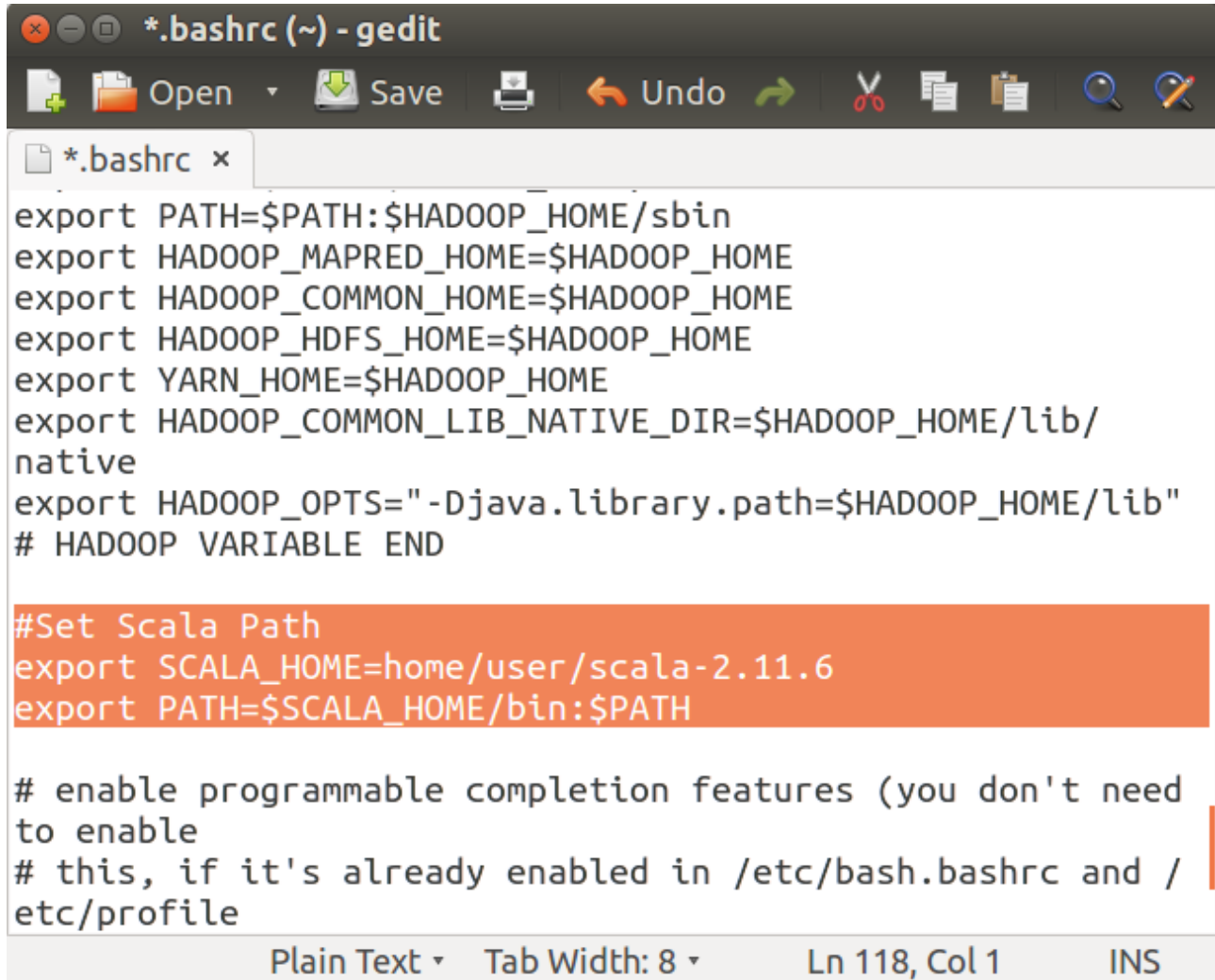
```
skillspeed@ubuntuvm: ~  
skillspeed@ubuntuvm:~$ sudo wget http://www.scala-lang.org/files/archive/scala-2.11.6.tgz  
--2015-07-27 11:07:06-- http://www.scala-lang.org/files/archive/scala-2.11.6.tgz  
Resolving www.scala-lang.org (www.scala-lang.org)... 128.178.154.159  
Connecting to www.scala-lang.org (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 (~) - gedit
Open Save Print Undo Redo Cut Copy Paste Find Replace
*.bashrc x
export PATH=$PATH:$HADOOP_HOME/sbin
export HADOOP_MAPRED_HOME=$HADOOP_HOME
export HADOOP_COMMON_HOME=$HADOOP_HOME
export HADOOP_HDFS_HOME=$HADOOP_HOME
export YARN_HOME=$HADOOP_HOME
export HADOOP_COMMON_LIB_NATIVE_DIR=$HADOOP_HOME/lib/
native
export HADOOP_OPTS="-Djava.library.path=$HADOOP_HOME/lib"
# HADOOP VARIABLE END

#Set Scala Path
export SCALA_HOME=home/user/scala-2.11.6
export PATH=$SCALA_HOME/bin:$PATH

# enable programmable completion features (you don't need
to enable
# this, if it's already enabled in /etc/bash.bashrc and /
etc/profile
Plain Text ▾ Tab Width: 8 ▾ Ln 118, Col 1 INS
```

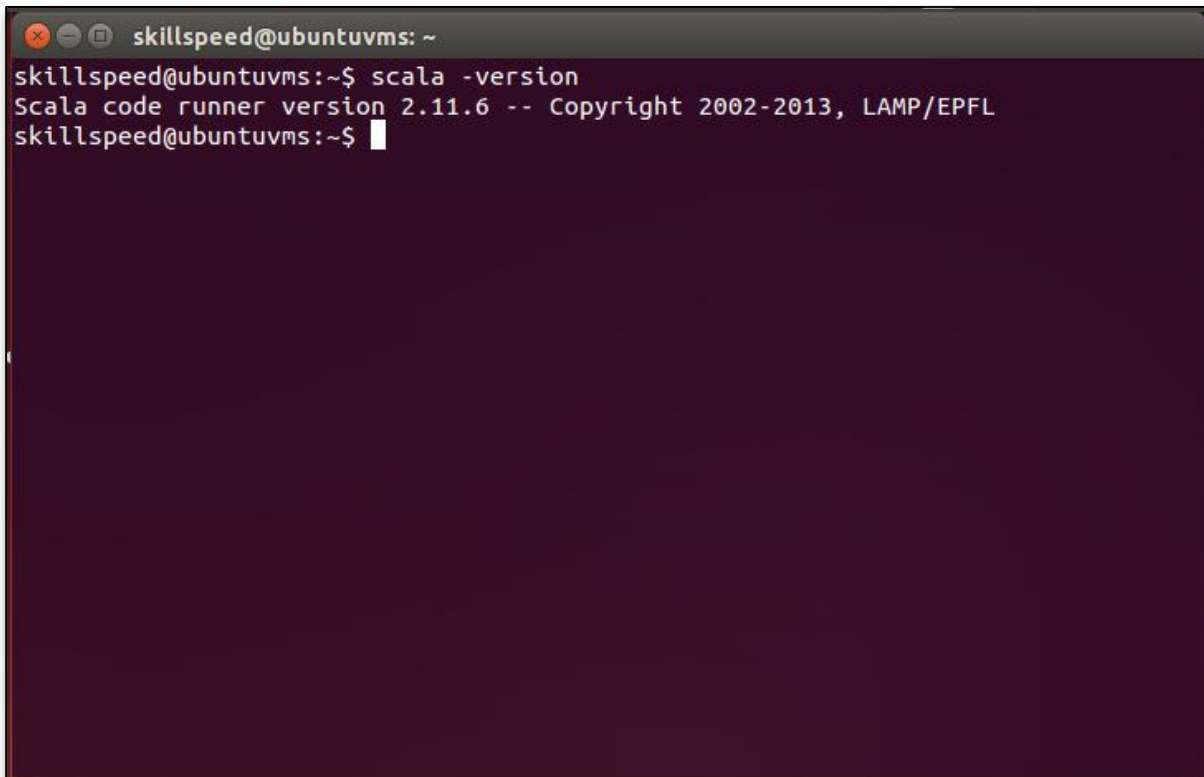
Step 4: sudo apt-get install scala

Default password is **password**

```
user@ubuntuvm: ~  
user@ubuntuvm:~$ sudo apt-get install scala  
[sudo] password for user:  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following extra packages will be installed:  
  libhawtjni-runtime-java libjansi-java libjansi-native-java scala-library  
Suggested packages:  
  scala-doc  
The following NEW packages will be installed:  
  libhawtjni-runtime-java libjansi-java libjansi-native-java scala  
  scala-library  
0 upgraded, 5 newly installed, 0 to remove and 663 not upgraded.  
Need to get 21.6 MB of archives.  
After this operation, 26.0 MB of additional disk space will be used.  
Do you want to continue? [Y/n]
```

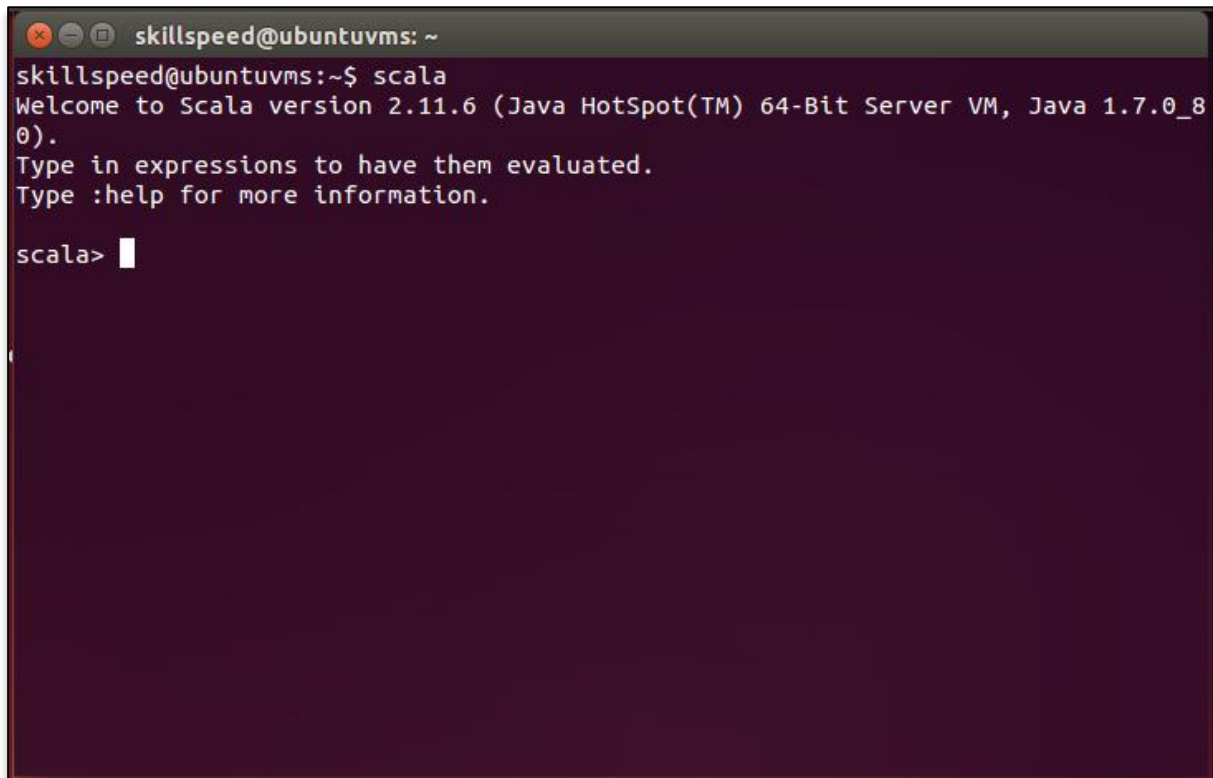
Step 5: Now reboot the system and re-open the terminal

Step 6: 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 on the line following the output.

```
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`

A terminal window titled 'skillspeed@ubuntuvm: ~' with a dark purple background. The text inside shows the command 'scala' being executed, followed by a welcome message for Scala version 2.11.6, and the prompt 'scala>' with a cursor.

```
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> █
```