Scala instalation

# Instalation Java SDK

## Linux

* **Ubuntu, Debian**: To install the JDK using apt-get, execute the following command in a terminal sudo apt-get install openjdk-7-jdk
* **Fedora, Oracle, Red Had**: To install the JDK using yum, execute the following command in a terminal su -c "yum install java-1.7.0-openjdk-devel"
* **Manual Installation**: To install the JDK manually on a Linux system, follow these steps:
  1. Download the .tar.gz archive from <http://www.oracle.com/technetwork/java/javase/downloads/jdk7-downloads-1880260.html>
  2. Unpack the downloaded archive to a directory of your choice
  3. Add the bin/ directory of the extracted JDK to the PATH environment variable. Open the file ~/.bashrc in an editor (create it if it doesn't exist) and add the following line export PATH=/PATH/TO/YOUR/jdk1.7.0-VERSION/bin:$PATH

**Verify your setup**: Open a new terminal (to apply the changed .bashrc in case you did the manual installation) and type java -version. If you have problems installing the JDK, ask for help on the forums.

## Mac OS X

Mac OS X either comes with a pre-installed JDK, or installs it automatically.

To verify your JDK installation, open the Terminal application in /Applications/Utilities/ and type java -version. If the JDK is not yet installed, the system will ask you if you would like to download and install it.

## Windows

* Download the JDK installer for Windows from <http://www.oracle.com/technetwork/java/javase/downloads/jdk7-downloads-1880260.html>
* Run the installer
* Add the bin\ directory of the installed JDK to the PATH environment variable, as described here: <http://www.java.com/en/download/help/path.xml>

To verify the JDK installation, open the Command Prompt and type java -version. If you have problems installing the JDK, ask for help on the forums.

# Installing SBT

## Download sbt for your platform here: http://www.scala-sbt.org/download.html .

This course requires sbt version **0.13.x**. If you have previously installed sbt 0.12.x, you need to uninstall it and install a newer version. sbt 0.13.x can be used for projects and other courses requiring sbt 0.12.x, but not the other way around. If in doubt, you can check your currently installed sbt like this: in an arbitrary directory that is not a programming assignment or otherwise an sbt project, run:

$ sbt --version

You should see something like this:

sbt launcher version 0.13.0

If the sbt command is not found, or if you get a non-0.13.x version, you need to install sbt 0.13.x.