

Instructions to get ready for the Install and Use of the Selenium Frameworks:

Firefox Setup (*Windows*):

In a Terminal window, Run the following without any windows open:

```
firefox.exe -p
```

Firefox Setup (*Mac and Linux*):

In a Terminal window, type:

```
firefox -p
```

Firefox Setup (*All OS*):

Add the following Firefox add-ons:

Firebug

Firefinder

IDE Setup (*All OS*):

IntelliJ:

```
https://www.jetbrains.com/idea/
```

Java, Maven and Git Setup (*All OS*):

Prerequisites:

Verify that Java 7 or newer is installed:

From a Terminal window type:

```
java -version
```

The version should be: "1.7.0_xx" or newer.

Verify that Maven 3 is installed:

From a Terminal window, type:

```
mvn -version
```

The version should be: "3.x.x" or newer.

Verify that Git is installed:

From a Terminal window, type:

```
git --version
```

The version should be: "1.x.x" or newer.

If you need to install Java, Maven, or Git, follow these instructions, otherwise, skip down to "Installing the Framework":

Java Install (*Mac*):

How-To Install Java:

```
http://www.java.com/en/download/help/mac\_install.xml
```

Java 7 JDK Download:

```
http://www.oracle.com/technetwork/java/javase/downloads/jdk7-downloads-1880260.html
```

Mac Environment Variables:

Add these environment variables to the file ".bash_profile":

```
export JAVA_HOME=`/usr/libexec/java_home -v 1.7` (example)
```

Maven Install (*Mac*):

Install using Homebrew:

```
http://brew.sh/
```

Follow the Instructions (brew install maven)

Mac Environment Variables:

Add these environment variables to the file ".bash_profile":

```
export M3_HOME=/usr/local/Cellar/maven/3.2.2export M3=$M3_HOME/bin (example)
export PATH=$PATH:$M3_HOME
```

The Path in ".bash_profile" should be appended with the following:

```
/usr/local/Cellar/maven/3.x.x (example)
```

Java Install (Windows):

How-To Install Java:

```
http://www.java.com/en/download/help/windows\_manual\_download.xml
```

Java 7 JDK Download:

```
http://www.oracle.com/technetwork/java/javase/downloads/jdk7-downloads-1880260.html
```

Windows Environment Variables:

Add this environment variable to Windows:

```
JAVA_HOME --> C:\Program Files\Java\jdk... (example)
```

Maven Install (Windows):

Maven Download:

```
http://maven.apache.org/download.cgi
```

Unzip files and place them in a directory such as:

```
C:\Tools\Maven3 (example)
```

Windows Environment Variables:

Add these environment variables to Windows:

```
M2_HOME --> C:\Tools\Maven3\ (same as where you unzipped it)
M2 --> %M2_HOME%\bin
MAVEN_OPTS --> -Xms256m -Xmx512m
```

Append the Path variable with these values:

```
;%JAVA_HOME%;%M2_HOME%;%M2%;
```

Java Install (*Linux*):

From a Terminal window, type:

```
sudo apt-get install python-software-properties
sudo add-apt-repository ppa:webupd8team/java
sudo apt-get update
sudo apt-get install oracle-java7-installer
```

Linux Environment Variables:

Add the following to your ".bashrc" file:

```
export JAVA_HOME=/usr/lib/jvm/jdk1.7.0_71 (or the version installed)
export JDK_HOME=\$JAVA_HOME
export JAVA_OPTS="-Xmx1024m -XX:MaxPermSize=256m"
```

Maven Install (*Linux*):

From a Terminal window, type:

```
sudo apt-get install maven
```

Linux Environment Variables:

Add the following to your ".bashrc" file:

```
export M3_HOME=/usr/local/Cellar/maven/3.2.2export M3=\$M3_HOME/bin (example)
export MAVEN_OPTS="-Xmx1024m -XX:MaxPermSize=256m"
```

Git Setup (Windows and Mac):

Download Git:

```
http://git-scm.com/downloads
```

Install the program.

Git Setup (*Linux*):

From a Terminal window, type:

```
sudo apt-get install git
```

Installing the Framework:

Clone the repository for the Common Library:

From a Terminal window:

Change Directory (cd) into your "sandbox", and type:

```
git clone https://github.com/IntelligentSigma/selenium-common-library.git
```

Then:

Change Directory (cd) into "selenium-common-library", and type:

```
mvn clean install
```

This will build a "snapshot" of the Common Library.

Clone the repository for the Selenium Framework:

Change Directory (cd) into your "sandbox", and type:

```
git clone https://github.com/IntelligentSigma/selenium-test-automation-framework.git
```

Then:

Change Directory (cd) into "selenium-test-automation-framework", and type:

```
mvn clean install -Plocal
```

This should build the project and run the example test. (if not, we will work it in the workshop)