DevConfiguration Fedora10

Configuring Fedora 10 For Harmony Development

These instructions presume a fresh install of Fedora 10 (although should work with other versions) and that you have the ability to **sudo** or become the root (Super User).

1) As root install subversion and g++:

```
$ yum install subversion
$ yum install gcc-c++
```

2) Check whether Java is installed on your system.

```
$ java -version
```

Should print something similar to :

```
java version "1.6.0_0"
IcedTea6 1.4 (fedora-15.b14.fc10-i386) Runtime Environment (build 1.6.0_0-b14)
OpenJDK Client VM (build 14.0-b08, mixed mode)
```

If Java is installed, please proceed to step 4.

3) Install java (as root) :

```
$ yum install java-1.6.0-openjdk-devel
```

4) Install ant (1.7.1) :

Although ant can be installed via yum, I was unable to get it to find the ecj.jar file, so I recommend installing it manually:

Download **apache-ant-1.7.1-bin.tar.gz** from http://ant.apache.org. I have assume you downloaded it to your home directory and want to install it for the current user only perform the following:

```
$ cd ~
$ mkdir java-tools
$ cd java-tools
$ tar -xzvf ~/apache-ant-1.7.1-bin.tar.gz
```

Alternatively you could install to /usr/local/share if you wish it to be available to all users.

Then update your **.bashrc** file to prefer this version of ant to any others:

```
# User specific aliases and functions
....
ANT_HOME=/home/username/java-tools/ant
PATH=$ANT_HOME/bin:$PATH:$HOME/bin

export PATH ANT_HOME
```

You may need to log out and log back in for the changes to take effect. Then test that ant is working by issuing the following commands:

```
$ ant -version
```

Should print something similar to:

```
Apache Ant version 1.7.1 compiled on June 27 2008
```

And

```
$ which ant
```

Should print something similar to:

```
~/java-tools/ant/bin/ant
```

5) Download ecj-3.4.2.jar from http://download.eclipse.org/eclipse/downloads/drops/R-3.4.2-200902111700/index.php#JDTCORE and copy to ~/.ant/lib

6) Install other dependencies (as root):

```
$ yum install lcms-devel
$ yum install libpng-devel
$ yum install libjpeg-devel
$ yum install libX11-devel
$ yum install libXft-devel
$ yum install binutils-devel
$ yum install libxml2-devel
$ yum install xorg-x11-proto-devel
$ yum install libXtst-devel
$ yum install eclipse-ecj
$ yum install libXext-devel
```

Now you can continue with the build instructions as found at http://harmony.apache.org/quickhelp_contributors.html