

# INSTALLING IBM JAVA SDK UNDER RED HAT LINUX 9

By Roberto J Dohnert

This Document is published without any warranty from Red Hat or myself and this information is not endorsed by Red Hat Software or any of its partners



Linux is a registered trademark of Linus Torvalds, Red Hat and the Shadowman Logo are registered trademarks of Red Hat Software

For all Java development I use and recommend the IBM Java Stack. I use IBM Java for many things, First is the speed, I find the IBM Java stack to be at least 20 % faster than Sun native Java. It also produces more reliable code much more of the time. Also, the web Browser plugin works more reliably. In this white paper i will focus on the installation of IBM Java SDK Stack.

First goto <http://www.ibm.com/java> then click on products ad tools and scroll down until you get to IBM Developer kit for Linux. You must register to get the software, registration is free, choose Linux P-Series x86 compatible. Download the RPM.

## INSTALLATION

cd to the directory where you downloaded the file IBMJava2-SDK-1.4-0.0.i386.rpm and type the following command:

```
rpm -ivh IBMJava2-SDK-1.4-0.0.i386.rpm
```

when that is complete, you will have to set up the Java Runtime-Environment for all users. This will require the root password as you will have to edit the /etc/profile configuration file.

\* SPECIAL NOTE\* To install RPM files you must have the root password. If you do not have the administrative password for your system contact your system administrator

To change to the root user type the following:

```
su and then your password
```

As the root user enter the following command to edit the file

```
pico /etc/profile
```

Put the following lines at the end of your profile file. remove the text at the end saying done unset i and type the following, and make sure you retype done unset i after the addition of the following:

```
export JAVA_HOME=/opt/IBMJava2-14/jre  
export PATH=$PATH:$JAVA_HOME/bin
```

```
done
```

```
unset i
```

Now exit out of the editor by pressing the control-x keys. It will ask you if you wish to save the file hit y and save the file as /etc/profile.

Now logout and back in, open a terminal window and type the following:

```
java -version
```

if you see a command not found dialog re-edit your /etc/profile config file and make sure you entered the text from page 1 to the tee. If you see the output telling you the version of java installed and what VM you are using congratulations you have had success

## INSTALLING THE JAVA PLUGIN FOR MOZILLA

First a warning, the Java plugin only works with stable versions of Mozilla, I have been very unsuccessful at running the plugin with beta builds. To install the plugin go to the following directory

/opt/IBMJava2-14/jre/bin and now type the following

```
cp libjavaplugin_oji.so <location of mozilla directory>/plugins/
```

Replace the <location of mozilla directory> to the mozilla folder on your system. If you are using the version of Mozilla bundled with Red Hat 9 the location is /usr/lib/mozilla if you are using a binary downloaded from mozilla.org the location is usually /usr/local/mozilla/. Quit Mozilla and restart

## INSTALLING JAVA WEB START

Java Web Start is not available with IBMs Java stack, but do not worry, I have provided it as a separate download. it is located here:

<http://www.geocities.com/latinlover166/javawebstart.zip>

Go to the directory where you downloaded the file and type the following:

```
unzip javawebstart.zip
```

now type the following

```
sh install.sh
```

Agree to the license agreement and then the installer will ask you for the location of Java, type the following:

```
/opt/IBMJava2-14/jre/
```

Now hit enter and now you will have a folder called javaws, enter the folder and click on the binary javaws and the Web Start application should start.

And that is it. If you were successful congratulations, if something went wrong go back and redo the steps outlined. If you still experience problems, e-mail me at:

[webwarrior@gnu-darwin.org](mailto:webwarrior@gnu-darwin.org)

And include your system details, along with location of Java.