

JDK 1.6 Installation:

Step 1:

Download: `jdk-6u7-linux-x64-rpm.bin` from `java.sun.com`

Step 2:

Run the bin file from terminal. It will install java version "1.6.0_07".

Step 3:

Remove java from `var/lib/alternatives`
`rm /var/lib/alternatives/java`

Step 4:

Change to Root folder
`cd /root`

Now Java Version command will show the Java which is installed by default with CentOS
`java -version`

Result:

java version "1.4.2"
gij (GNU libgcj) version 4.1.2 20071124 (Red Hat 4.1.2-42)

Step 5:

Add both Java Version 1.4.2 and Java 1.6.0_07 entries using alternatives command

```
/usr/sbin/alternatives --install /usr/bin/java java /usr/lib/jvm/jre-1.4.2-gcj/bin/java 1  
/usr/sbin/alternatives --install /usr/bin/java java /usr/java/jdk1.6.0_07/bin/java 2
```

Make `jdk1.6.0` as default java version.

```
/usr/sbin/alternatives --config java
```

Tomcat Installation

Step 1:

Download latest version of Tomcat [`apache-tomcat-6.0.18.zip`] from `apache.org`.

Step 2:

Extract the zip file into `/opt/`.

Step 3:

Set `JAVA_HOME` variable

```
export JAVA_HOME=/usr/java/jdk1.6.0_07/
```

Step 4:

Run startup.sh from tomcat folder to start Tomcat server.

Step 5:

Check the URL to verify if Tomcat is running <http://localhost:8080/>

Eclipse Installation

Step 1:

Download eclipse JEE version: eclipse-jee-ganymede-SR1-linux-gtk-x86_64.tar.gz from eclipse.org

Step 2:

Extract the zip file into /opt/ folder

Folder Path: /opt/eclipse/

Step 3:

Run eclipse using /opt/eclipse/eclipse

Note: Use workspace /tmp/kaizen/eclipse/workspace/

Eclipse Plug-in Installation:

Step 1:

In Eclipse, Go to Help->Software Updates - Available Software Tab.

Step 2:

Add corresponding site for the particular plug-in.

Step 3:

Select the entry and Install.

URL for Marven Plug-in:

<http://m2eclipse.sonatype.org/update-dev/>

URL for Moreunit Plug-in:

<http://moreunit.sourceforge.net/org.moreunit.update/site/>

URL for Subversion Plug-in [Subclipse]:

http://subclipse.tigris.org/update_1.4.x

Step 4:

Install Tomcat Plug-in:

There is no specific URL to directly install the plug-in from Eclipse.

To install tomcat plug-in, follow the below steps.

- 4.1. Download the plug-in [tomcatPluginV321.zip] from <http://www.eclipse-tomcat.com/tomcatPlugin.html>
- 4.2. Extract the zip file into /opt/eclipse/dropins/ folder.
- 4.3. Restart Eclipse. Now Tomcat menu will be added in Eclipse

Step 5:

Configure Tomcat in Eclipse:

- 5.1. In Eclipse, Go to Windows-> Preference.
Under Tomcat, Specify Tomcat Home [/opt/apache-tomcat-6.0.18]
- 5.2. Run Eclipse using Tomcat-> Start Tomcat
- 5.3. Check the URL to verify if Tomcat is running <http://localhost:8080/>

MySQL Installation

Step 1:

Install MySQL using following command
*yum install mysql**

Step 2:

Start MySql Database Server
*cd /etc/init.d/
./mysqld start*

Step 3:

To set the password for root user
*sudo su
cd /usr/bin/
./mysqladmin password*

Step 4:

To check if mysql is running properly
/mysql -p
Give the password that was created in Step 3

SQL Developer Tool Installation

Step 1:

Download Oracle SQL Developer Tool for Linux from

<http://www.oracle.com/technology/software/products/sql/index.html>

Step 2:

Extract the zip file into /opt/ folder

Step 3:

To run sqldeveloper run sqldeveloper.sh from
/opt/sqldeveloper-1.5.54.40-1.noarch.rpm_FILES/opt/sqldeveloper/

Step 4:

Download MySQL JDBC Driver from <http://dev.mysql.com/downloads/connector/j/5.0.html>
Extract the zip file and copy mysql-connector-java-5.0.8-bin.jar file into
/opt/sqldeveloper-1.5.54.40-1.noarch.rpm_FILES/opt/sqldeveloper/jdbc/lib/

Step 5:

Register the MySQL JDBC Driver in SQLDeveloper.
In SQLDeveloper, Go to Tools->Preference->Database->Third Party JDBC Drivers.

Add the JDBC jar [mysql-connector-java-5.0.8-bin.jar] using Add Entry button

Step 6:

Connect MySQL from SQLDeveloper
Create new connection by right click the Connections entry in the left panel.
Choose MySQL Tab and specify the Database information.

FitNesse Server Installation

Step 1:

Download FitNesse server from www.fitnesse.org

Step 2:

Extract the zip file into /opt/ folder/

Step 3:

Run FitNesse server by using run.sh under /opt/fitnesse/ folder.
Default Port is 80. To change the port, specify port number using -p parameter.

```
./run.sh -p 9080
```

Step 4:

Check if fitNesse server is running or not by browsing <http://localhost:9080/>