

EJB - ENVIRONMENT SETUP

http://www.tutorialspoint.com/ejb/ejb_environment.htm

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EJB is a framework for Java, so the very first requirement is to have JDK installed in your machine.

System Requirement

JDK	1.5 or above.
Memory	no minimum requirement.
Disk Space	no minimum requirement.
Operating System	no minimum requirement.

Step 1 - verify Java installation in your machine

Now open console and execute the following **java** command.

OS	Task	Command
Windows	Open Command Console	c:\> java -version
Linux	Open Command Terminal	\$ java -version
Mac	Open Terminal	machine:~ joseph\$ java -version

Let's verify the output for all the operating systems:

OS	Output
Windows	java version "1.6.0_21" Java™ SE Runtime Environment build1.6.0_21 - b11 Java HotSpot™ 64-Bit Server VM build23.21 - b01, mixedmode
Linux	java version "1.6.0_21" Java™ SE Runtime Environment build1.6.0_21 - b11 Java HotSpot™ 64-Bit Server VM build23.21 - b01, mixedmode
Mac	java version "1.6.0_21" Java™ SE Runtime Environment build1.6.0_21 - b11 Java HotSpot™ 64-Bit Server VM build23.21 - b01, mixedmode

If you do not have Java installed, install the Java Software Development Kit *SDK* from <http://www.oracle.com/technetwork/java/javase/downloads/index.html>. We are assuming Java

1.6.0_21 as installed version for this tutorial.

Step 2: Set JAVA environment

Set the **JAVA_HOME** environment variable to point to the base directory location where Java is installed on your machine. For example

OS	Output
Windows	Set the environment variable JAVA_HOME to C:\Program Files\Java\jdk1.6.0_21
Linux	export JAVA_HOME=/usr/local/java-current
Mac	export JAVA_HOME=/Library/Java/Home

Append Java compiler location to System Path.

OS	Output
Windows	Append the string ;C:\Program Files\Java\jdk1.6.0_21\bin to the end of the system variable, Path.
Linux	export PATH=PATH:JAVA_HOME/bin/
Mac	not required

Verify Java Installation using **java -version** command explained above.

Step 3: Download and Install NetBeans IDE

Download latest version of NetBeans IDE from <https://netbeans.org/downloads/index.html>. At the time of writing this tutorial, I downloaded *Netbeans 7.3* which comes bundled with JDK 1.7. using following link <http://www.oracle.com/technetwork/java/javase/downloads/index.html>

OS	Installer name
Windows	Netbeans 7.3
Linux	Netbeans 7.3
Mac	Netbeans 7.3

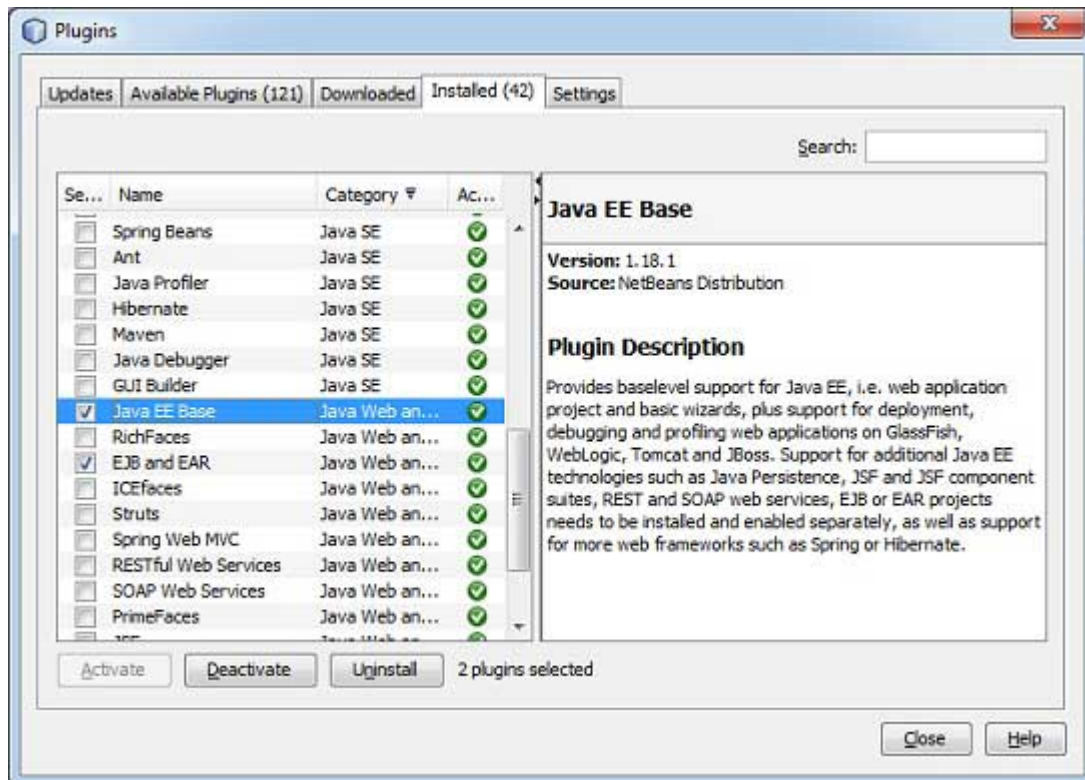
Step 4: Setup JBoss Application Server:

You can download the latest version of JBoss Server from <http://www.jboss.org/jbossas/downloads/>. Download the archive as per the platform. Extract the Jboss to any location on your machine.

OS	File name
Windows	jboss-5.1.0.GA-jdk6.zip
Linux	jboss-5.1.0.GA-src.tar.gz
Mac	jboss-5.1.0.GA-src.tar.gz

Step 5: Configure JEE Plugins to Netbeans

Open Plugin window using Tools > Plugins. Open "Available Plugin" tab and select "Java EE Base" and "EJB and EAR" under "Java Web and EE" category. Click install button. Netbeans will download and install the respective plugins. Verify plugins installation using "Installed" tab.

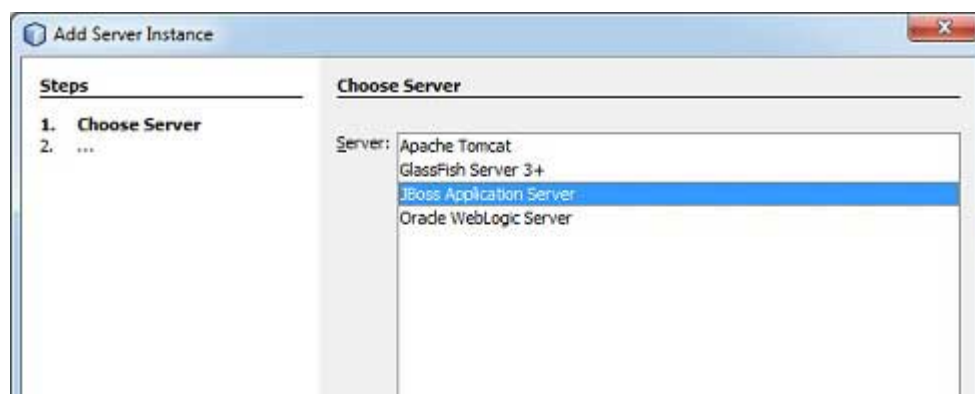


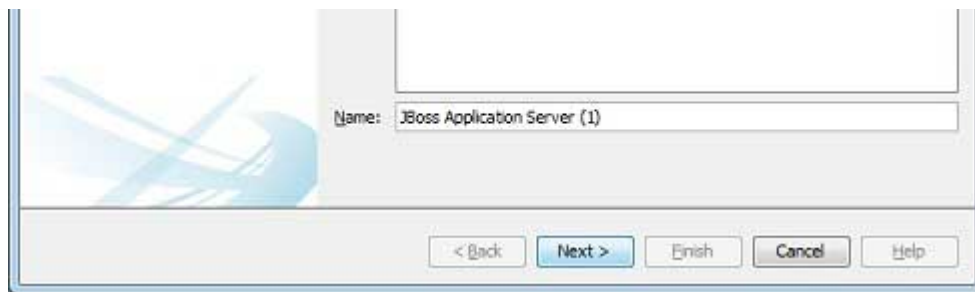
Step 6: Configure JBoss Server in Netbeans

Go to Services tab and right click on servers to add a new server.

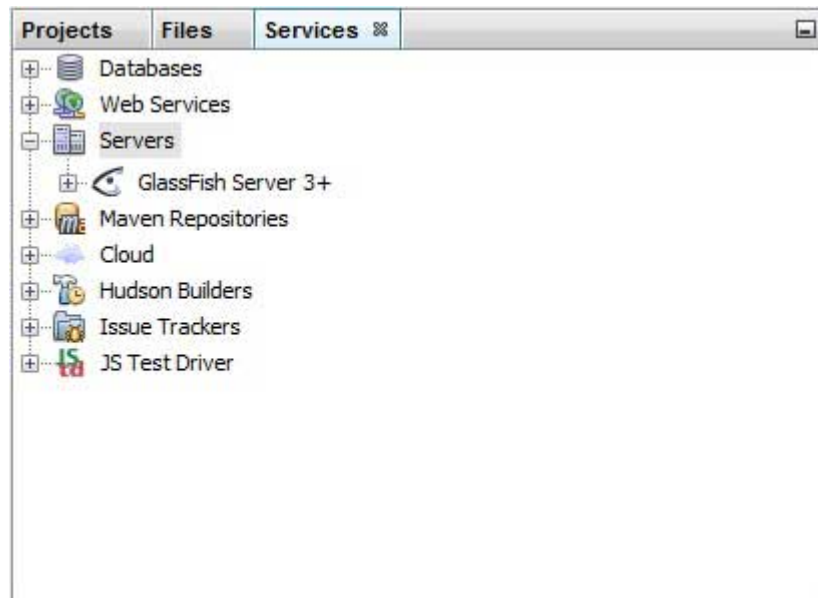


Add Server Instance wizard will open. Select JBoss and in next step enter the relevant details to configure server in netbeans.





Once everything is configured, you'll see the following screen.



Step 7: Install Database Server *PostGreSql*

Download latest version of PostGreSql database server from <http://www.postgresql.org/download/>. At the time of writing this tutorial, I downloaded *PostGreSql 9.2*

OS	Installer name
Windows	PostGreSql 9.2
Linux	PostGreSql 9.2
Mac	PostGreSql 9.2

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