

INSTALLATION FOR DEVELOPMENT

With the aim to maintain or to extend the eis-lab application there is need to configure the development environment, which consist on the following software:

- Java JDK 5.0
- Eclipse
- JBoss 2.3.GA

After complete the installation of the need it software, it is need it to configure each of them.

Eclipse

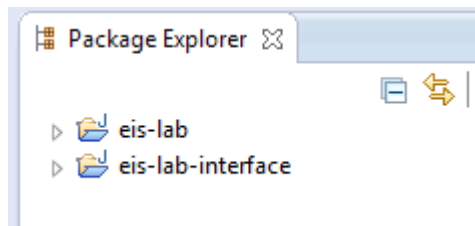
Eclipse is an IDE ([integrated development environment](#)); this one is the tool that allows to modify or to change the java code.

Configuration

The source code¹ that is attached to the Project, then you are going to find a folder that contained the two projects that are necessary to run the program on the development environment.

To import the Project to eclipse you should import the Projects to the IDE.

Once it is done you should have something like the next image:



Illustration, Projects imported

On the path eis-lab/src/main/java you should have one file that is call config.properties On this file you should configure the two properties displayed, they look like this:

```
dataBase=C:/Users/RaufA/Deskop/Lab/results.xml  
defaultMail=agayevrauf@gmail.com
```

Illustration, config.properties file

¹ The source code can be download from: https://github.com/Punkar22/Eis_Lab

The first one is the directory where the program is going to store the results, and the default user mail to send the results after running the program (the program takes a lot of time while it runs, it has to stream millions of data).

JBoss 4.2.3 GA

The JBoss is the applications server where it deployed the eis-lab application.

Configuration

After the JBoss installation you should configure the ant.properties file that is located in the eis-lab-interface project, to specify the installation path.

```
# -----  
# Installation Path of JBOSS  
# -----  
jboss.home=C:/java/jboss-4.2.3.GA
```

Illustration, ant.properties - JBoss path

Maven

Maven is used by the project to provide all the libraries need it to run the Project over RDF datasets.

Configuration

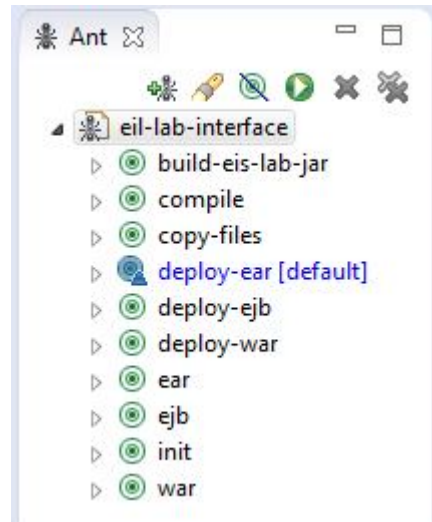
Also you should configure the ant.properties file that is located in the eis-lab-interface Project.

```
# -----  
# Maven path  
# -----  
maven.home=C:/Users/Carlos/.m2/repository
```

Illustration, ant.properties - Maven path

Run the program on the server

Now that everything that is necessary, the project it is able to be deployed into the JBoss server, to do that you should go to the file that is located in the project eis-lab-interface. Your IDE should have installed the tools to run the ant files.



Illustration, ant build view

In this view the user only have to give double-click on the mark on blue (deploy-ear), this process creates all the necessary files and copy them to the JBoss server. Also this process copy all the files to the directory eis-lab-interface/dist, this is useful if you want to send only the .ear files or the .jar files to another user.

After execute the ant build, it is necessary to run the JBoss server, to do this you have to go to the JBOSS_HOME\bin and then start the server.

To see the program you need to open the web page:
http://localhost:8080/EIS_LAB_QAENTLOD/index.jsf.