Introduction

The following document explains how to deploy MeteoCalProj for windows based system. The file to deploy must be named *meteoCalProj.war*, you can use the one provided in the installation folder. The installation folder also contains an *import.sql* file, *setup.sql* file and a *domain.xml* file.
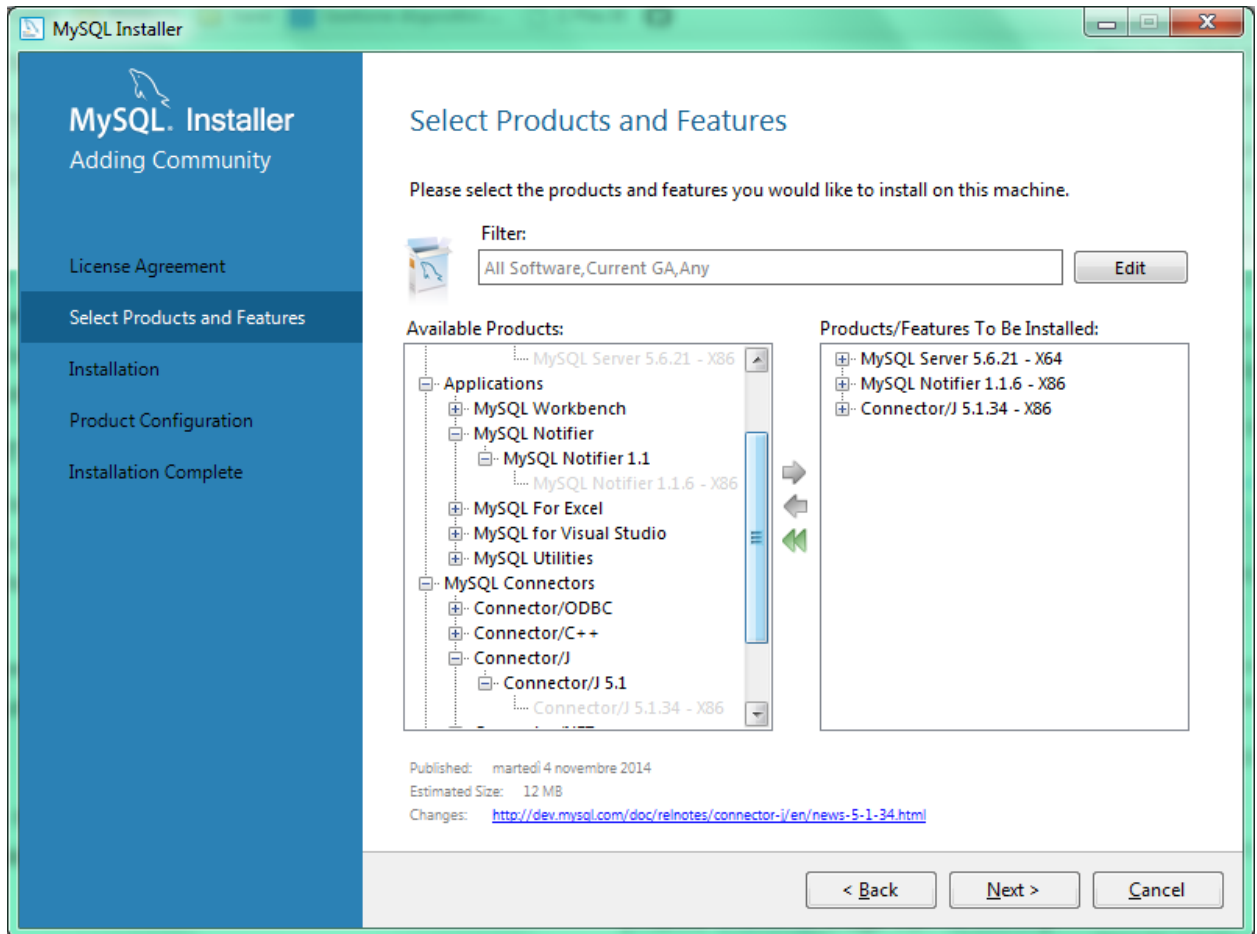
Installation

Requirements:

- JavaEE 7 SDK Update1 with Glassfish 4.1
- Java 8 (jre)
- MySQL Server
- Google chrome updated to the last release

Steps:

1. Install Java:
   follow the link http://www.oracle.com/technetwork/java/javaee/downloads/index.html and dowload Java EE 7 SDK Update 1, which contains also the updated version of Glassfish Server 4.1, unzip the folder where you like the most.
    Download also the most updated version of Java (8 or more) following the link http://www.java.com/it/download/ and install it. If there are older version of Java installed in you system the installer will ask to remove them, accept.

2. Install MySQL:
   Go to http://dev.mysql.com/downloads/mysql/ , select your own platform and download the file.
   Once you have downloaded the mysql-installer-web-community-5.6 start the installation. When asked select Default modality, if it doesn't work select Full, if it doesn't work select Custom and select the following components: *MySQL Server, MySQL Notifier e Connector/J.*

Click next and then execute, the components will be downloaded and installed.
Click next, when asked choose as MySQL Root Password: "admin"
Click next and then execute.

3. Go to the mySQL folder (usually at C:\Program Files\MySQL\MySQL Server 5.6\bin)
   Copy into it the file setup.sql and import.sql.

4. Open the prompt and change your directory to the MySql folder that you used above.
   (e.g. $> *cd C:\Program Files\MySQL\MySQL Server 5.6\bin*)
   From command line execute the followings commands:
   $ > *mysql -u root -p*
   insert the password: $ > *admin* (or whatever is your mysql password)
   $ mySql > *source setup.sql;*
   Do not close this prompt since you will need it at step 10.

5. Go to the installation folder of MySQL (usually at *C:\Program Files (x86)\MySQL*),
   open the folder named Connector J 5.1.34 and copy the file
   mysql-connector-java-5.1.34-bin.jar into /glassfish/domains/domain1/lib/ext in the
   Glassfish server folder.

6. Start mySql server from the Notifier (the icon in the right lower corner)(if not already started).
7. Go in the Glassfish installation folder at */glassfish/domain/domain1/config* rename the file domain.xml to *domainOLD.xml* (so that you have backup of your glassfish configuration in case you need it) and put in that folder the file *domain.xml* that we provided in our installation folder.

8. Start the Server:
    Execute the Glassfish Server going to the folder glassfish/bin/ in the Glassfish installation folder and execute the following command line

    asadmin start-domain domain1

    (if an error is prompted kill the process on port 8080)
    (use *asadmin stop-domain domain1* to stop the server, do not do it now)

9. Deploy the war of meteoCalProj with the command:
    asadmin deploy [war_path]
    (If an error arrives try with asadmin deploy --force [war_path])
    (use *asadmin undeploy [war_path]* to undeploy the application, do not do it now)

10. Populate the database by executing the following command in the MySQL command line:

    $ mySql> *source import.sql;*

If everything goes alright you can go to the page localhost:8080/meteoCalProj and enjoy our site.
Have fun!

In case there's any problem just call one of the team member, we will be happy to help you!

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