CalCARE

Installation Manual of CalCARE

Software Engineering 2

A.A. 2014/2015

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January 19, 2015

Part I

Preparation for Installation

The user have to verify that MySQL is correctly installed and running, and Glassfish server in also running and it's administration console can be accessed, that a Database for Meteocal as been created and initialized with the basic data (basic_db.sql).

In case of dubt, please ask the system administrator.

1   Installation Validation

By visiting with a modern browser http://localhost:8080, it's possible to verify that Flassfish is operative and fully functional. The screen below is an example that the server is running flawless. In case of trouble concast the system administrator.
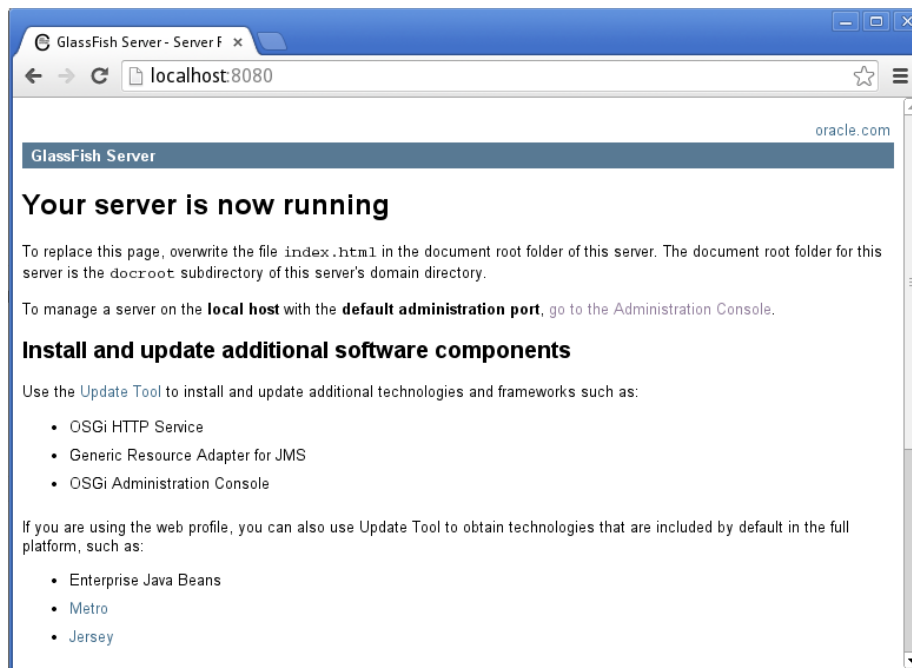

Figure 1: Glassfish succesfully installed.

2   Access administration panel

Visiting http://localhost:4848 it is possible to access the administrator panel of Glassfish. Please wait until the Admin Console load all it's component, it could take up to a minute.
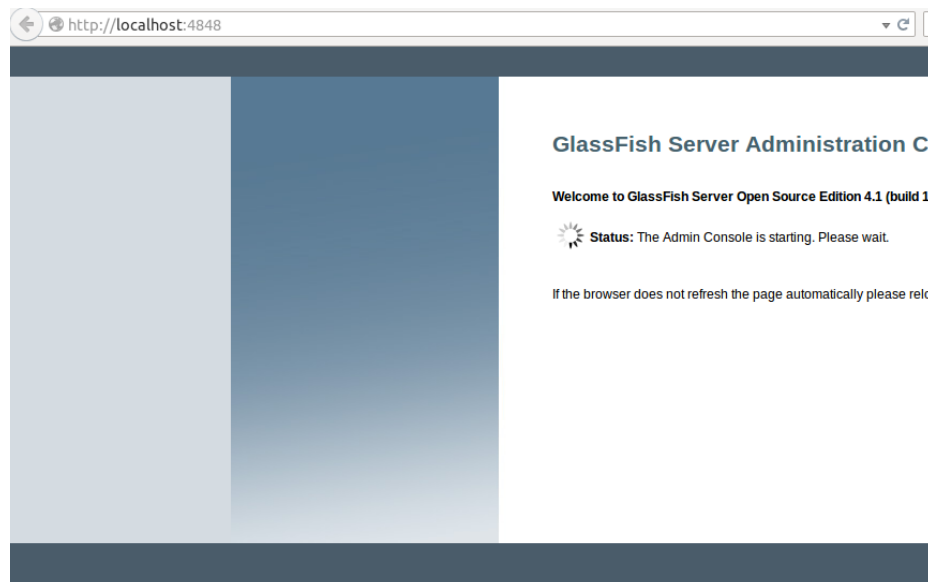

Figure 2: Administration Console Start

3   Administrator Auth

Inser Administrator login credential. If they are unknow contact the system administrator. In case of standard installation credential are:

Table 1: Standard login info

Parameter	Value
Username	`admin`
Password	(vuota)

Figure 3: Administrator login

4   Administrator console

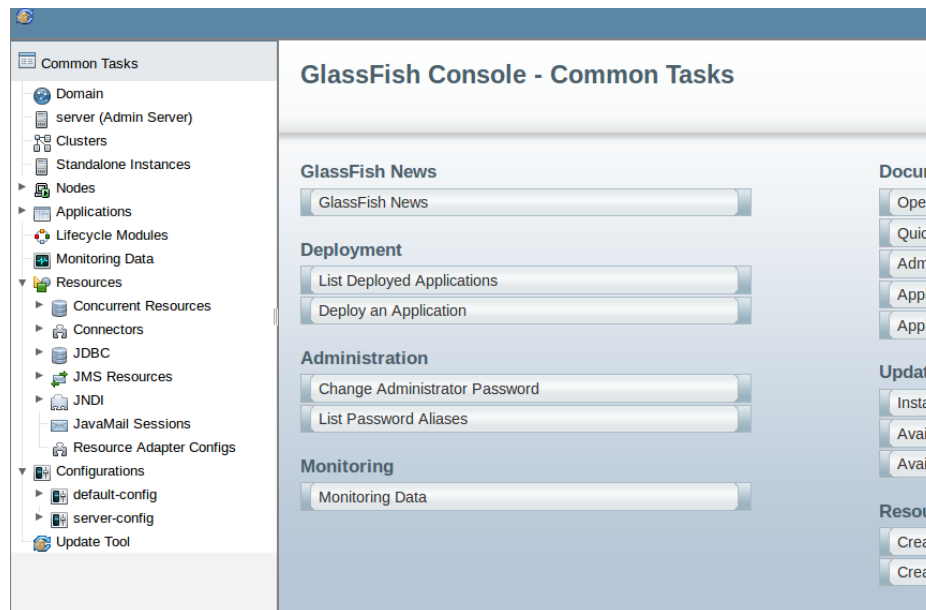If the server is correctly configured it will show the administration console.

Figure 4: Administrator console

Part II

Resource configuration

Below are described the needed configuration to have CalCARE working.

5   JavaMail

Is it necessary to set up a SMTP service to be able to send mail (needed for user registration confirmation, password reset, notifications, etc.)

http://**localhost**:4848/common/index.jsf

Home   About...

User: admin | **Domain:** domain1 | **Server:** localhost

GlassFish™ Server Open Source Edition

Common Tasks

- Domain
- server (Admin Server)
- Clusters
- Standalone Instances
- ▶ Nodes
- ▶ Applications
- Lifecycle Modules
- Monitoring Data
- ▼ Resources
  - ▶ Concurrent Resources
  - ▶ Connectors
  - ▶ JDBC
  - ▶ JMS Resources
  - ▶ JNDI
  - JavaMail Sessions
  - Resource Adapter Configs
- ▼ Configurations
  - ▶ default-config
  - ▶ server-config
- Update Tool

JavaMail Sessions

A JavaMail session resource represen
messaging applications.

Sessions (0)

New...   Delete   Enable   Disabl

Select	JNDI Name
No items found.	

5.1 JavaMail Sessions

Clicking on **JavaMail Sessions** on the left bar it's possible to creare and edit JavaMail sessions. Click on «**new**» in the Session table to create and configure a new JavaMail session.

5.2 Mail Configuration

Fill the option to match the SMTP server information. In case of dubt please ask the system administrator.

5.3 SMTP Auth

It is possible to add information for the SMTP Authentication by clicking on «Add Property» in the tab «Additional Properties» at the bottom of the same page inserting the following parameters :

Table 2: SMTP Auth Parameters

Parameter	Value
mail.smtp.password	<password_here>
mail.smtp.auth	true
mail.smtp.port	22

It could be the case that more parameters are needed, if so, contact the system administrator fo further informations.

5.4 Confirmation

Go back to the top of the page and hit the «**OK**» buttton to save the information. Note that the operation could take up to some seconds.

6 Database e JDBC connector

Is necessary to configure the database connector, a connection pool and an associated resources to make CalCARE succesfully connect to the Database.

6.1 Pool Creation

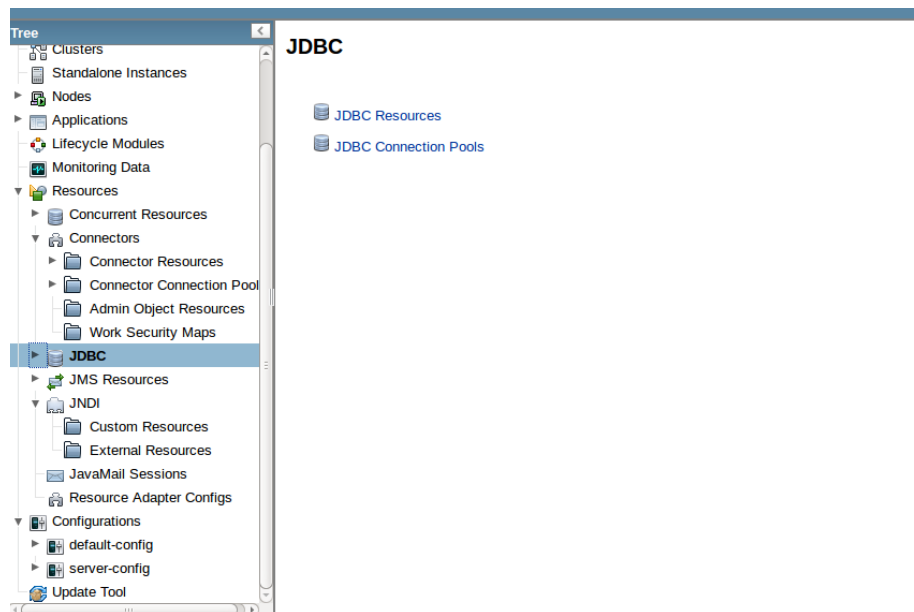Click «**JDBC**» on the lateral panel. It will show the following screen:

Figure 6: JDBC Main Screen

6.1.1 General

Click on «**Connection pool JDBC**», then on «**New**» and insert the parameters exactly as follow
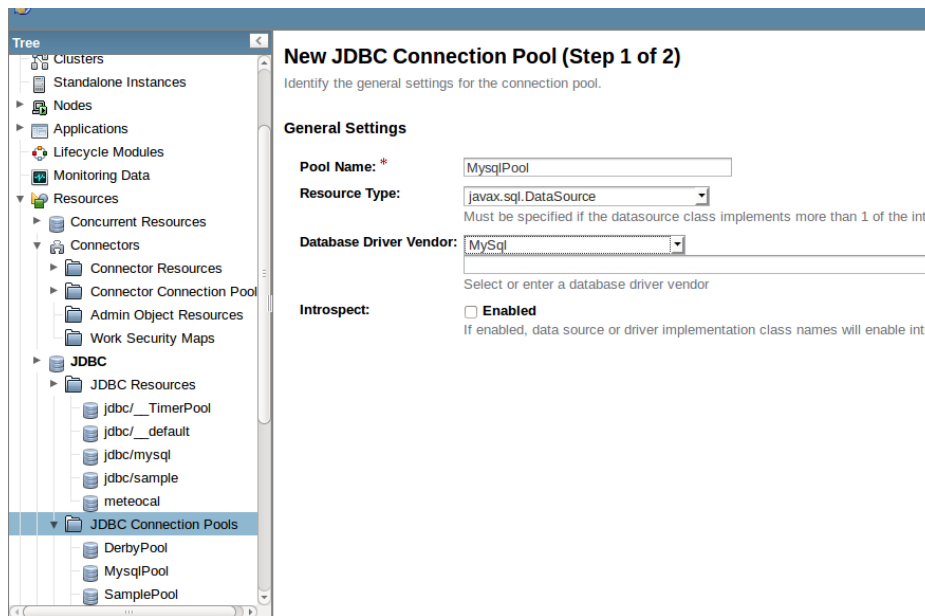
Figure 7: JDBC General Informations

Click on «**Next**»

6.1.2 Enable ping

Tick the «**Ping**» box to activate the option to check if everything is working as expected.

6.1.3 Properties configuration

Configure the server connection with the information in the following table. The parameters will vary according to MySQL installation.

Table 3: JDBC Parameters

Parameter	Value
URI	jdbc:mysql://<Hostname:port_here_(Default: localhost:3306)>/<Database_name_here>?zeroDateTimeBehavior=convertToNull
username	MySQL users for the created Databae
password	Password of the above user
driverClass	com.mysql.jdbc.Driver
databaseName	<Database_name_here>
serverName	<Server_name_here_Default(localhost)>

6.1.4   Confirm

Click on «**End**» to end the process and create the JDBC pool. If anything goes wrong during the process pleace contact the system administrator.

6.2   JDBC Resources creation

6.2.1   Preparation

After creating the JDBC pool, it's necessary to associate a JDBC resources. Click on «**JDBCResources**» on the main JDBC menu

6.2.2   Configuration

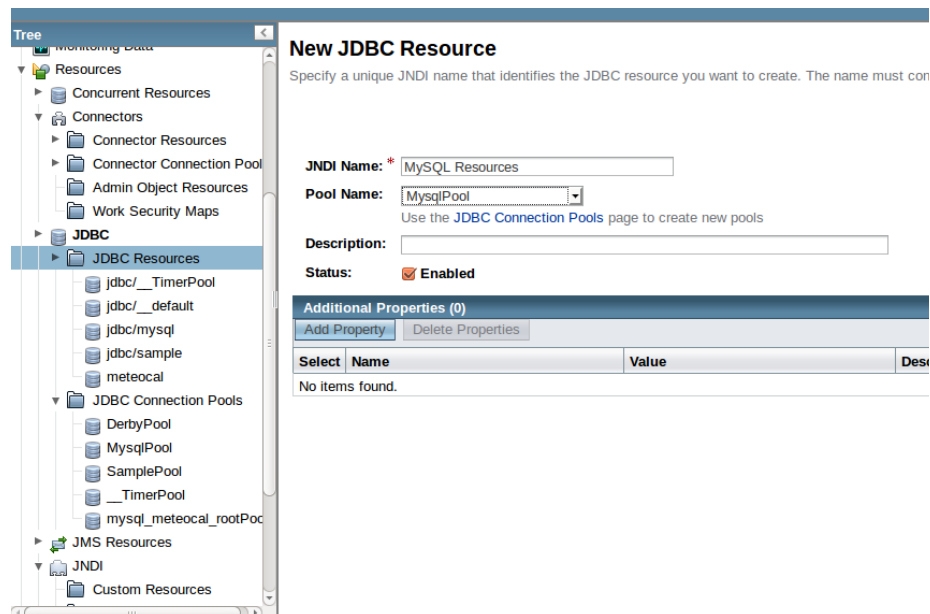Fill the fields exactly as in the following screen and click «**OK**».

Figure 8: JDBC Resource Configuration

6.2.3 Confirm

The operation could take some seconds. When terminate, the screen «JDBC Resources» will show the last addition

Part III
Deploy

The context for CalCARE as been correctly setted. Now it's time to deploy the application.

7 Distribute

Click «**Application**» on the lateral panel, and then on «**Deploy**» that will show:
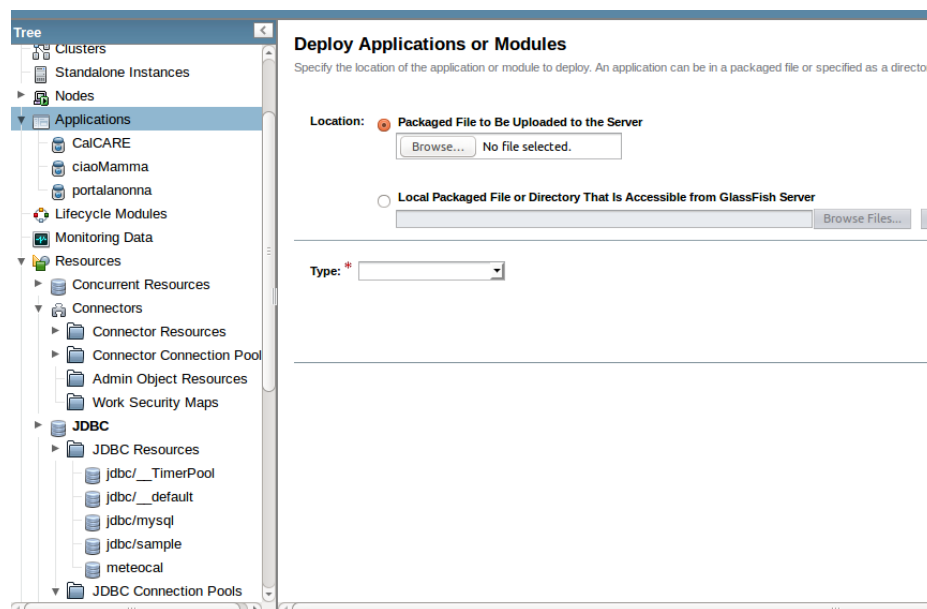
Figure 9: Deploy Screen

8 Load the War to deploy

Select «**Packaged File to Be Uploaded to the Server**», then on «**Browse**» and choose the War file of CalCARE.

Leave all the other field unchanged and click «**OK**».

The operation could take up to one minute to complete, please wait and do not start any other action during the process, even if Glassfish seems to have frozen.

9   Success

If no errors show, go to URL CalCARE url and it will show the CalCARE home screen
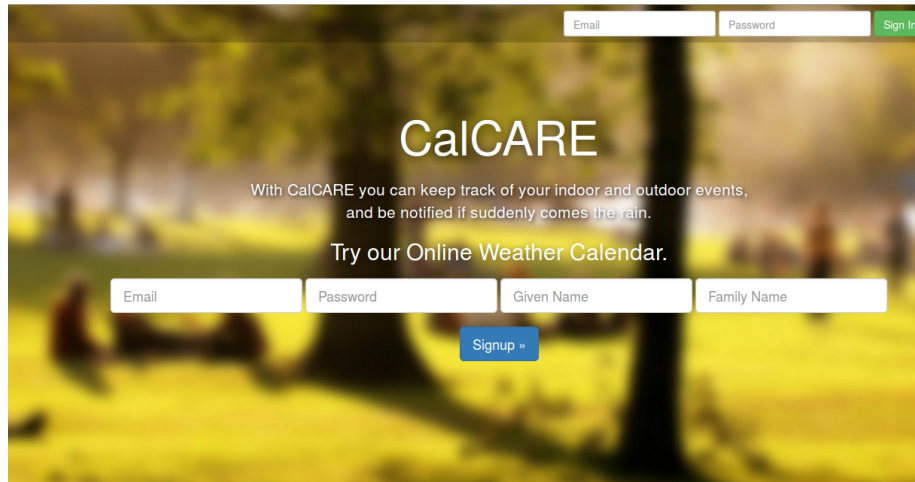

Figure 10: Homepage CalCARE

Appendix: restart Glassfish

In case of mysterious errors, restart Glassfish may be a solution.

Click on «**server**» in the lateral panel and then on «**Restart**», finallyconfirm the operation.

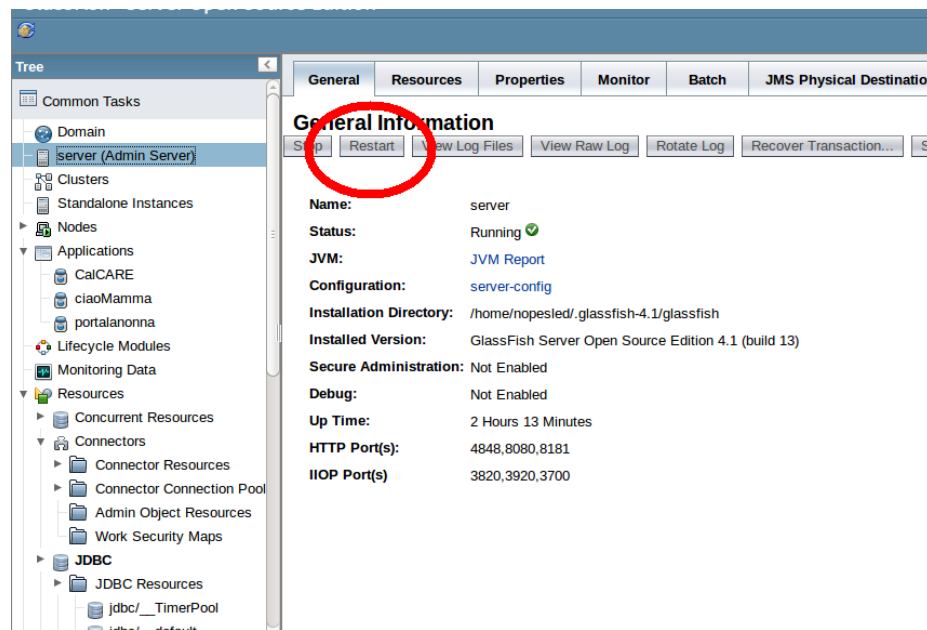Note: This operation could take some minute to complete, please be patient.

Figure 11: Pannello gestione server