

Installing Local OpenInfobutton Instance on Mac OSX 10.8

Tomcat

Install tomcat: `brew install tomcat`

Tomcat will be installed at: `/usr/local/opt/tomcat` (which is a link to `/usr/local/Cellar/tomcat/7.0.37`)

Setup tomcat:

- Modify `/usr/local/Cellar/tomcat/7.0.37/libexec/conf/tomcat-users.xml` to enable an administrative user to access the web admin tool.
- Add in a line like the following (with a better password):
`<user username="admin" password="tomcat" roles="tomcat,manager-gui"/>`
- Modify `/usr/local/Cellar/tomcat/7.0.37/libexec/bin/catalina.sh` to increase the PermGen space used by Java
`JAVA_OPTS="-Djava.awt.headless=true -Dfile.encoding=UTF-8
-server -Xms1536m -Xmx1536m
-XX:NewSize=256m -XX:MaxNewSize=256m -XX:PermSize=256m
-XX:MaxPermSize=256m -XX:+DisableExplicitGC"`

Start Tomcat: `sudo catalina start`

(Or `sudo catalina run` if you want to see the server messages)

Test that Tomcat is set up by navigating to: <http://localhost:8080/>

MySQL

Set up MySQL: `brew install mysql`

`/usr/local/Cellar/mysql/5.6.10/my.cnf`

Configure MySQL using the steps that are given to you. A subset of those steps is shown here, and was used to set up a dev instance where MySQL is not always running.

Set up databases to run AS YOUR USER ACCOUNT with:

```
unset TMPDIR
mysql_install_db --verbose --user=`whoami` --basedir="$(brew --
prefix mysql)" --datadir=/usr/local/var/mysql --tmpdir=/tmp
```

Start MySQL: `mysql.server start`

Set a password for the root user (you'll want something more secure than 'mysql'):
`/usr/local/opt/mysql/bin/mysqladmin -u root password 'mysql'`

Log into mysql as root: `mysql -uroot -p`

Create a new openib user:

```
GRANT ALL PRIVILEGES ON *.* TO 'openib'@'localhost' IDENTIFIED BY 'openib' WITH
GRANT OPTION;
GRANT ALL PRIVILEGES ON *.* TO 'openib'@'%' IDENTIFIED BY 'openib' WITH GRANT
OPTION;
```

OpenInfobutton

Initialize the Database

From the command line, change to the directory with the OpenInfobutton SQL script.
Load the OpenInfobutton scripts to the database:

```
Log into mysql as root: mysql -uroot -p
Run the scripts in the following order:
source prodoib_concept.sql
source prodoib_subset.sql
source prodoib_logs.sql
source prodoib_subsetmember.sql
source profilesdbprod_resource_profiles.sql
```

Configure the OpenInfobutton application

Extract the infobutton-service.war file to a directory (WAR files are essentially a ZIP file with a different extension), or use Eclipse to import the WAR.

Modify infobutton-service/WebContent/OpenInfobuttonDemo.html

Find the the baseUrl in the function callIM. Change this to the appropriate URL for your setup, such as:

```
var baseUrl = 'http://localhost:8080/infobutton-service/infoRequest?';
```

Modify infobutton-service/WebContent/WEB-INF/datasource-local.properties

```
#####
#####
# Database configuration
#####
#####

# Database for resource profiles
datasource.url=
jdbc:mysql://127.0.0.1:3306/profilesdb?autoReconnect=true
datasource.driver=com.mysql.jdbc.Driver
datasource.user=openib
datasource.password=openib

# SQL implementation Hibernate dialect
hibernate.dialect=org.hibernate.dialect.MySQL5Dialect
```

Modify infobutton-service/WebContent/WEB-INF/datasource-mysql.properties

```
#####  
#####  
# Database configuration  
#####  
#####  
  
datasource.url=jdbc:mysql://127.0.0.1:3306/prodoib  
datasource.driver=com.mysql.jdbc.Driver  
datasource.user=openib  
datasource.password=openib  
  
# SQL implementation Hibernate dialect  
hibernate.dialect=org.hibernate.dialect.MySQL5Dialect
```

Modify infobutton-service/WebContent/WEB-INF/serviceParams.properties

```
#datasource1 - datasource with subset and logs  
datasource1.url=jdbc:mysql://127.0.0.1:3306/prodoib  
datasource1.driver=com.mysql.jdbc.Driver  
datasource1.user=openib  
datasource1.password=openib  
  
#datasource2 - datasource with profiles  
datasource2.url= jdbc:mysql://127.0.0.1:3306/profilesdbprod  
datasource2.driver=com.mysql.jdbc.Driver  
datasource2.user=openib  
datasource2.password=openib
```

Deploy the WAR file:

From the Tomcat manager (<http://localhost:8080/manager>), click on List Applications.

Check to see if there are any running instances of the /infobutton-service application. There should not be for new installs, but will be if you need to re-deploy the app in the future.

If there is a running instance, click the “Undeploy” button.

Select the WAR file to upload (“Choose File”) button further down on the page, and click Deploy.

After a few seconds, the list of applications should refresh and you should see /infobutton-service listed.