1. Install MYSQL server 5.7 (ALL sources in D:\sources\)
2. Run Script for create database schema, tables and insert default data.
3. Install SFTP Server with your Certification
4. Install GlassFish Server Open Source Edition 5.0 (build 25)
   1. Download GlassFish Server
   2. Extract file in any DIR example. “C:/”
   3. Open CMD with administrative privilege
   4. run “cd C:\glassfish-5.0\glassfish5\glassfish\bin”
   5. run “asadmin”
   6. copy from sources to “C:\glassfish-5.0\glassfish5\glassfish\domains\domain1\lib\ext”
      1. mysql-connector-java-5.1.36.jar
      2. sqljdbc4.jar
   7. run “start-domain” to start server
   8. run “stop-domain domain1” to stop server
5. After Start Server open URL <http://localhost:4848/common/index.jsf>
   1. open JDBC 🡪 JDBC Connection Pools
   2. create New Pool
      1. Pool Name: mysql\_guardianpro\_rootPool
      2. Resource Type: java.sql.Driver
      3. Driver Classname: com.mysql.jdbc.Driver
   3. NEXT 🡪 then add Additional Properties
      1. Name : URL

Value: jdbc:mysql://localhost:3306/guardianpro?zeroDateTimeBehavior=convertToNull

* + 1. Name : user

Value: root

* + 1. Name : password

Value: root

* 1. Finish 🡪 test Ping

1. open JDBC 🡪 [JDBC Resources](http://localhost:4848/jdbc/jdbcResources.jsf)
   1. Create Resources
   2. Name : jdbc/GardianPro
   3. select pool your create
   4. Finish
2. Open server-config 🡪 JVM Settings 🡪 add JVM Options
   1. replace -Xmx512m with –Xmx4096m
   2. replace -XX:MaxPermSize=192m with -XX:MaxPermSize=2048m
   3. restart server
3. open app and deploy Ear file (in sources DIR)
4. open URL “http://localhost:8080/GuardianPro-web”