Anthrax Marketplace Setup v2

Context roots

The context roots for the modules are:

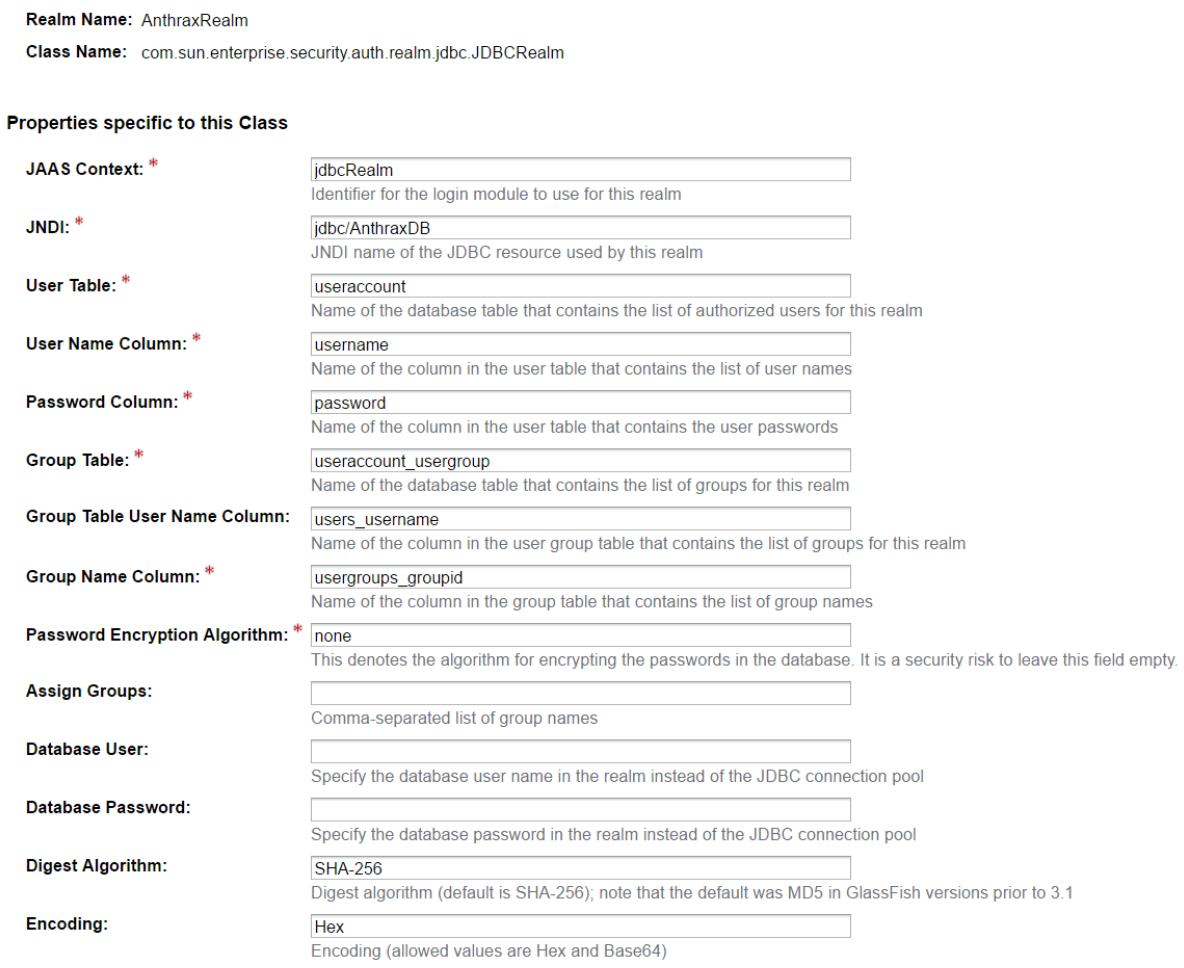
Web application: server root (http://localhost:8080/)

Web services: /services (http://localhost:8080/services)

- The rest services are assigned to /services/rest/*
- The SOAP services are assigned to /services/SOAP/*

Security realm

The following is a screenshot of the security realm used in the web application:



Seeding the database:

To insert the database with dummy data, visit the following URL and click the "Seed" button after deployment: *http://<context-root>/seed.xhtml*

The dummy data both auctions that have ended, and auctions that will end soon after seeding. Since the database is set to "drop and create", redeploying and then seeding will provide a new set of auctions.

Creating the image directory

An image directory located at "C:\Temp\AnthraxMedia\images" has to exist before deployment for the image upload and presentation to function correctly.

Alternatively, the directory can be changed in the following file: "*glassfish-web.xml*" located in the WEB-INF directory.

JDBC + JMS

The application needs JMS resources (a JMS topic, a connection factory pool, and a connection factory) and a JDBC database resource on the glassfish application server in order to successfully deploy the application.

We have included a "glassfish-resources.xml" configuration file for importing these resources. Instructions are included in the last section in this document.

JMS names

Topic: jms/anthraxAuctions

Connection factory pool: jms/anthraxDestinationFactoryPool

Connection factory: jms/anthraxDestinationFactory

The database configuration:

Our setup includes a PostgreSQL database + a JDBC connection pool and a JDBC resource, but if resources already have been configured on the glassfish server you may choose to use them instead by editing the persistence.xml-file in the EJB-module.

The application is configured to automatically create (and drop existing) database tables on deployment.

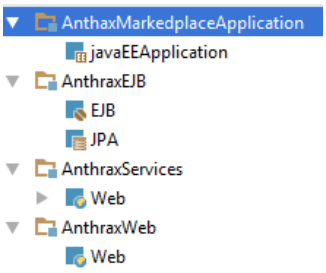
Database type:	PostgreSQL
Server:	localhost
Port:	5432 (default)
Database name:	Anthrax
Username:	MOD250
Password:	MOD250

Driver

A PostegreSQL JDBC driver must be placed in the lib folder for the domain running on the glassfish server *("\glassfish4\glassfish\domains\domain1\lib"*). The driver (*postgresql-9.4.1210*) is included in the same folder as this document.

JavaEE project structure

The project is divided into 3 modules to better encapsulate the different responsibilities: EJB, services and web.



Importing resources

Instructions on how to import the configuration file (glassfish-resources.xml), which includes the JMS and JDBC resources: