SHRINE 3.0.0 Chapter 11 - Integration With i2b2 Software

To make sure that your new SHRINE instance can communicate with the i2b2 instance, there are a couple of places that we will address. First, you will need to make sure the PM, ONT, CRC cell urls are correctly defined within the **shrine.conf** file. These urls are what SHRINE uses to communicate with the i2b2 backend. In the shrine.conf template we assume you have just one i2b2 instance that performs all three roles.

- Above the main shrine {} section set the i2b2BaseUrl to the top-level Url for your i2b2 wildfly server. This value will be substituted as needed in shrine.conf.

```
i2b2BaseUrl = "http://i2b2.example.com:9090" //The local i2b2's URL as observed from this tomcat server


shrine {...}
```

Next, you will need to add the ACT project into the pm_project_data table within the i2b2 database:

```
$ psql -U postgres i2b2

i2b2=# set search_path = public;

i2b2=# insert into PM_PROJECT_DATA (project_id, project_name, project_wiki, project_path, status_cd) values
('ACT', 'ACT Ontology', 'http://open.catalyst.harvard.edu/display/SHRINE', '/ACT', 'A');
```

After doing that, you will also need to add the Shrine Ontology data source (DS) to the ont-ds.xml file within the i2b2 instance. This file should be located within your i2b2 deployments directory (**/opt/wildfly/standalone/deployments**):

```
<datasource jta="false" jndi-name="java:/ShrineOntologyDS" pool-name="ShrineOntologyDS" enabled="true" use-ccm="false">
    <connection-url>jdbc:postgresql://localhost:5432/i2b2</connection-url>
    <driver-class>org.postgresql.Driver</driver-class>
    <driver>postgresql-9.2-1002.jdbc4.jar</driver>
    <security>
            <user-name>shrine_ont</user-name>
            <password>yourPassword</password>
    </security>

    <validation>
            <validate-on-match>false</validate-on-match>
            <background-validation>false</background-validation>
    </validation>

    <statement>
            <share-prepared-statements>false</share-prepared-statements>
    </statement>
</datasource>
```

Finally restart wildfly and tomcat.