

# 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

```
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 SHRINE project into the pm\_project\_data table within the i2b2pm schema:

```
$ psql -U postgres i2b2

i2b2=# set search_path = i2b2pm;

i2b2=# insert into PM_PROJECT_DATA (project_id, project_name, project_wiki, project_path, status_cd) values
('SHRINE', 'SHRINE', 'http://open.med.harvard.edu/display/SHRINE', '/SHRINE', '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>demouser</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.