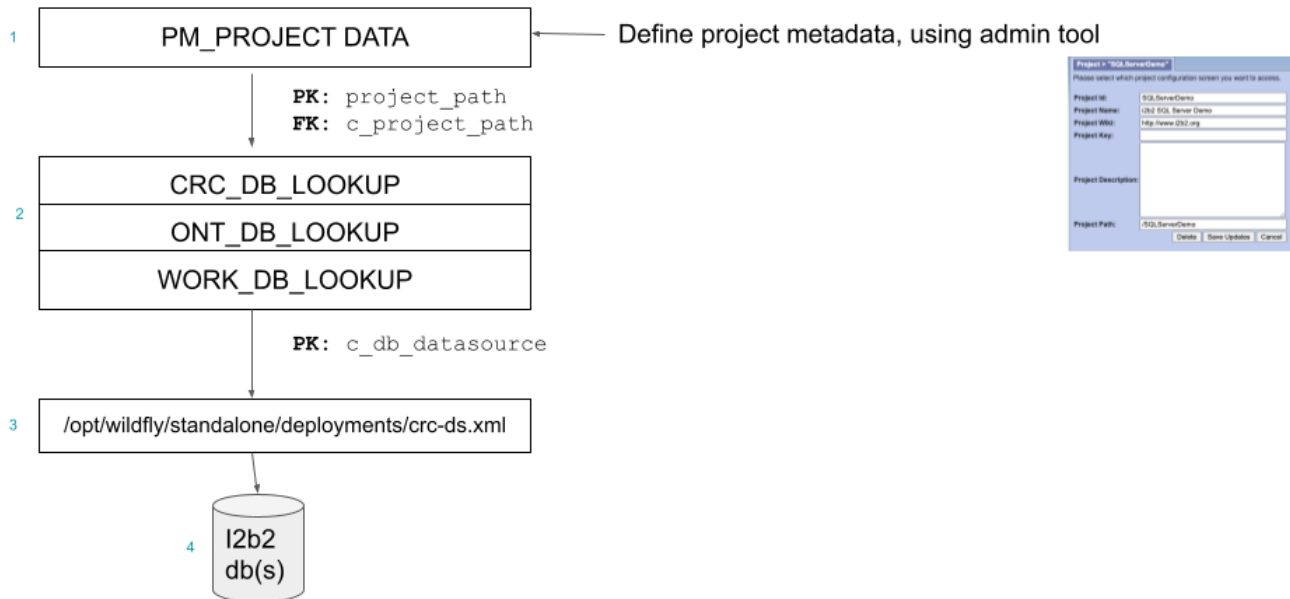


6.6.0. Guide to creating a new project with the admin tool

Steps to defining an i2b2 project



Steps 1:

Set up a project as documented here:

1. [Project Setup](#): Create a project. In this step, you define a project path which will be used to reference the project later.
 - a. When adding users to the project:
 - i. Add the user AGG_SERVICE_ACCOUNT and assign it the role DATA_AGG.
 - ii. Add any regular users and assign them the role DATA_OBFSC

Step 2:

Update DB_Lookup tables to define the Wildfly XML datasource name for the project. Refer to [6.4.3 Cell DB-Lookup](#) for details.

i Ontology and Workplace cells can also be set up using [Project Setup](#).

Add new db_lookup entries for each of the core cells, to define how the project will connect to the db.

- The core cells are Ontology, CRC, and Workplace.
- In i2b2 1.7.13 and above, this step is more easily done directly in the database. Add entries to xxx_db_lookup, for each of ONT, CRC, and WORK.
- Add entries as below, with the project path you defined. It is easiest to copy these from an existing project.

i For ONT_DB_LOOKUP and workplace_db_lookup, c_project path does not have a beginning backslash

Step 3:

Update DATASOURCE XML files IN WILDFLY IF NEEDED. The data source is defined in the ds-xml file with parameters to connect to the hive and data tables.

i2b2 Server communicates with your i2b2db instance using ds.xml files. For detailed information refer to [2. Data Source Configuration](#)

C_DOMAIN_ID	C_PROJECT_PATH	C_OWNER_ID	C_DB_FULLSCHEMA	C_DB_DATASOURCE	C_DB_SERVERTYPE	C_DB_NICENAME	C_DB_TOOL
1	/ACT/	@	i2b2synthea1.dbo	java:/QueryToolDemoDS	SQLSERVER	Demo	NULL
2	/Demo/	@	i2b2demodata.dbo	java:/QueryToolDemoDS	SQLSERVER	Demo	NULL
3	/NODE1/	@	i2b2synthea1.dbo	java:/QueryToolDemoDS	SQLSERVER	Demo	NULL
4	/NODE10/	@	i2b2synthea9.dbo	java:/QueryToolDemoDS	SQLSERVER	Demo	NULL
5	/NODE2/	@	public	java:/QueryToolSyntheaDS	POSTGRESQL	Demo	NULL
6	/NODE3/	@	i2b2synthea3.dbo	java:/QueryToolDemoDS	SQLSERVER	Demo	NULL
7	/NODE4/	@	i2b2fullysynthea.dbo	java:/QueryToolDemoDS	SQLSERVER	Demo	NULL
8	/NODE5/	@	i2b2synthea4.dbo	java:/QueryToolDemoDS	SQLSERVER	Demo	NULL
9	/NODE6/	@	i2b2synthea5.dbo	java:/QueryToolDemoDS	SQLSERVER	Demo	NULL
10	/NODE7/	@	i2b2synthea6.dbo	java:/QueryToolDemoDS	SQLSERVER	Demo	NULL
11	/NODE8/	@	i2b2synthea7.dbo	java:/QueryToolDemoDS	SQLSERVER	Demo	NULL
12	/NODE9/	@	i2b2synthea8.dbo	java:/QueryToolDemoDS	SQLSERVER	Demo	NULL
13	/RECOVER_Adult_i2b2...	@	public	java:/QueryToolREDCapDS	POSTGRESQL	Demo	NULL
14	/OMOP/	@	i2b2omopenclave.dbo	java:/QueryToolDemoDS	SQLSERVER	Demo	NULL
15	/OMOPSCRATCH/	@	scratchDB.dbo	java:/QueryToolDemoDS	SQLSERVER	Demo	NULL
16	/i2b2projzou/	@	public	java:/QueryToolZb2projzouDS	POSTGRESQL	Demo	NULL
17	/OMOPPROGNOSIS/	@	i2b2omopenclave.dbo	java:/QueryToolDemoDS	SQLSERVER	Demo	NULL

The datasource parameter value can be found in the CRC_DB_LOOKUP.C_DB_DATASOURCE (this is built at the time of datamart creation) to point to the datasource of your Crcdata tables location (star-schema and QT tables)

Example: SQL Server crc-ds.xml

```
<datasource jta="false" jndi-name="java:/CRCBootstrapDS"
  pool-name="CRCBootstrapDS" enabled="true" use-ccm="false">
  <connection-url>jdbc:sqlserver://localhost:1433</connection-url>
  <driver-class>com.microsoft.sqlserver.jdbc.SQLServerDriver</driver-class>
  <driver>sqljdbc4.jar</driver>
  <security>
    <user-name>i2b2hive</user-name>
    <password>demouser</password>
  </security>
  <validation>
    <valid-connection-checker class-name="org.jboss.jca.adapters.jdbc.extensions.mssql.MSSQLValidConnectionChecker"></valid-connection-checker>
    <validate-on-match>false</validate-on-match>
  </validation>
  <statement>
    <share-prepared-statements>false</share-prepared-statements>
  </statement>
</datasource>
<datasource jta="false" jndi-name="java:/QueryToolDemoDS"
  pool-name="QueryToolDemoDS" enabled="true" use-ccm="false">
  <connection-url>jdbc:sqlserver://localhost:1433</connection-url>
  <driver-class>com.microsoft.sqlserver.jdbc.SQLServerDriver</driver-class>
  <driver>sqljdbc4.jar</driver>
  <security>
    <user-name>i2b2demodata</user-name>
    <password>demouser</password>
  </security>
  <validation>
    <valid-connection-checker class-name="org.jboss.jca.adapters.jdbc.extensions.mssql.MSSQLValidConnectionChecker"></valid-connection-checker>
    <validate-on-match>false</validate-on-match>
  </validation>
  <statement>
    <share-prepared-statements>false</share-prepared-statements>
  </statement>
</datasource>
```



The pool-name parameter and the jndi-name value for the Bootstrap connection section should be set to constant value as **CRCBootstrapDS**

The pool-name parameter and the jndi-name value for the db connection section should be set to the parameter **DB_Lookup.C_DB_Data source value**

Step 4:

Load i2b2 tables into the database(s) used for the project as needed, making sure to update db properties file with the db parameters (e.g., [3.4 Crcdata Tables](#), [3.7.4 Load Metadata Tables](#)). For example, you might specify an existing database in the ontology db-lookup, but a new database in the CRC db lookup. In this case, you only need to create/load the tables in the CRC database.

Step 5:

Finally add project users. Make sure to add AGG_SERVICE_ACCOUNT

<https://community.i2b2.org/wiki/display/ServerSideDesign/Project+Setup>