

## 5.4.2 Data Source Configuration

### Step 3: Configure the data source for the PM Cell

The PM cell needs to communicate with your **i2b2 database** and in order to do this it needs to know where the tables for the **pmdata** reside. Therefore the **third** and **final step** in the cell configuration process is to configure the data sources for the PM Cell. This information is configured in the **pm-ds.xml** file.

#### Things to keep in mind when configuring your datasources:

When configuring your data sources you want to make sure you edit the following:

- The **pmdata** tables were created during the chapter on Data Installation.
- The **PMBootStrapDS** points to the data source for your pm tables.
  - The **<user-name>** and **<password>** need to match the database user you set up for your pmdata. In the i2b2 demo database this is *i2b2pm* and *demouser*.
- The **<connection\_url>** needs to have the following:
  - The correct JDBC information for your type of database.
  - The correct location of the database containing your pmdata tables.
- Both the **<driver-class>** and **<driver>** need to accurately reflect the type of database you are connecting to.

#### Steps to configure data sources

The following steps define how to configure your data sources for the PM Cell.

1. The **pm-ds.xml** file is located in the following directory:  
***YOUR\_I2B2\_SRC\_DIR*/Redu.harvard.i2b2.pm/etc/jboss**

2. Open the pm-ds.xml file to configure your data sources.

Oracle Database

```
<datasource jta="false" jndi-name="java:/PMBootStrapDS"
    pool-name="PMBootStrapDS" enabled="true" use-ccm="false">
    <connection-url>jdbc:oracle:thin:@localhost:1521:xe</connection-url>
    <driver-class>oracle.jdbc.OracleDriver</driver-class>
    <driver>ojdbc6.jar</driver>
    <security>
        <user-name>i2b2pm</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>
```

## PostgreSQL Database

```
<datasource jta="false" jndi-name="java:/PMBootStrapDS"
    pool-name="PMBootStrapDS" 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>i2b2pm</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>
```

## SQL Server Database

```
<datasource jta="false" jndi-name="java:/PMBootStrapDS"
  pool-name="PMBootStrapDS" 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>i2b2pm</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>
```

3. Save the changes and close the file.