JNDI datasource configuration

Adding a JNDI Datasource

By default, Jira runs in Tomcat, so the following example applies to Tomcat only. The user should refer to the application server manual on how to define a data source.

1. Make sure you have the SQL driver in JIRA_HOME/lib directory. The driver should be proper one for the type of the database you want to use.
2. Open JIRA_HOME/conf/context.xml file with your favorite text editor. Enter your data source, for instance, between the existing <Context> tags copy the following content:

```
Example for HSQLDB

<Resource name="TestDB"
    auth="Container" type="javax.sql.DataSource"
    username="sa"
    password=""
    driverClassName="org.hsqldb.jdbcDriver"
    url="jdbc:hsqldb:/tmp/somedb;create=true;"
/>
```

3. Restart Jira.

Check the settings in the Resource tag:

- **name**: the name of the data source
- **username**: The username used for the connection to the database
- **password**: The password to connect to the database
- **driverClassName**: The name of the class from the driver. The driver should be the proper jar archive for the type of the database used. In this example the type of the database used is hsqldb
- **url**: The url used to connect to the database

---

Note

The Guide on how to configure a datasource is [Apache Tomcat: Configuring a Datasource](https://tomcat.apache.org/tomcat-7.0-doc/config-jndi.html)

---

Settings for Other Databases

**PostgreSQL**

```
<Resource name="TestDB"
    auth="Container" type="javax.sql.DataSource"
    username="sa"
    password=""
    driverClassName="org.postgresql.Driver"
    url="jdbc:postgresql://127.0.0.1:5432/somedb"
/>
```

**MySQL**

```
<Resource name="TestDB"
    auth="Container" type="javax.sql.DataSource"
    username="sa"
    password=""
    driverClassName="com.mysql.jdbc.Driver"
    url="jdbc:mysql://127.0.0.1:3306/somedb"
/>
```
Oracle

```xml
<Resource name="TestDB"
    auth="Container" type="javax.sql.DataSource"
    username="sa"
    password=""
    driverClassName="oracle.jdbc.driver.OracleDriver"
    url="jdbc:oracle:thin:@127.0.0.1:1522:somedb"
    connectionProperties="SetBigStringTryClob=true"
/>
```

MS SQL Server

```xml
<Resource name="TestDB"
    auth="Container" type="javax.sql.DataSource"
    username="sa"
    password=""
    driverClassName="net.sourceforge.jtds.jdbc.Driver"
    url="jdbc:jtds:sqlserver://localhost:1433/somedb;instance=INSTANCE_NAME"
/>
```

For MS SQL Server 2000 the instance name should be omitted from the url, even if connecting to a named instance, so the url attribute should be: url="jdbc:jtds:sqlserver://localhost:1433/somedb".

AS400

```xml
<Resource name="TestDB"
    auth="Container" type="javax.sql.DataSource"
    username="sa"
    password=""
    driverClassName="com.ibm.as400.access.AS400JDBCDriver"
    url="jdbc:as400://127.0.0.1/somedb;naming=sql;errors=full"
/>
```

Firebird

```xml
<Resource name="TestDB" auth="Container" type="javax.sql.DataSource"
    username="sysdba"
    password="masterkey"
    driverClassName="org.firebirdsql.jdbc.FBDriver"
    url="jdbc:firebirdsql:127.0.0.1:3050:id:/somedb.fdb"
/>
```

To connect to Jira database, see configuration in the dbconfig.xml file from Jira's home directory.

See also

- Configuring datasources
• CSV files data