

How to configure a Datasource

On this page:

- [Microsoft SQL Server](#)
- [Oracle](#)
 - [Configuring an Oracle Datasource for Confluence](#)
 - [Configuring an Oracle Datasource for Jira](#)
- [MySQL](#)
- [PostgreSQL](#)

Please refer to the [Atlassian documentation](#) for the complete information on specific datasources. This page shows example settings of datasources.

Microsoft SQL Server

[Configuring an SQL Server Datasource](#)

Example:

SQL Server Datasource

```
<Resource
  name=" jdbc/myDS "
  auth=" Container "
  type=" javax.sql.DataSource "
  driverClassName=" com.microsoft.sqlserver.jdbc.SQLServerDriver "
  url=" jdbc:sqlserver://<host>:1433;database=<database-name> "
  username=" <database-user> "
  password=" <password> "
  maxActive=" 20 "
  maxIdle=" 10 "
  maxWait=" -1 "
  validationQuery=" select 1 "
/>
```

Oracle

[Configuring an Oracle Datasource for Confluence](#)

Example

Oracle Datasource

```
<Resource
  name=" jdbc/myDS "
  auth=" Container "
  type=" javax.sql.DataSource "
  driverClassName=" oracle.jdbc.OracleDriver "
  url=" jdbc:oracle:thin:@<host>:1521:mysid "
  username=" <database-user> "
  password=" <password> "
  connectionProperties=" SetBigStringTryClob=true "
  maxActive=" 25 "
  maxIdle=" 5 "
  maxWait=" 10000 "
  validationQuery=" select 1 from DUAL "
/>
```

[Configuring an Oracle Datasource for Jira](#)

1. Stop Jira.

2. Download the Oracle JDBC Driver
https://www.oracle.com/webapps/redirect/signon?nexturl=https://download.oracle.com/otn/utilities_drivers/jdbc/122010/ojdbc8.jar
 (you need to create an account)
3. Copy it to your Jira Folder: /opt/atlassian/jira/application/lib
4. Edit the Server.xml: /opt/atlassian/jira/application/conf

a) In the server.xml file, locate the Context section (under Engine > Host):

```
<Engine name="Catalina" defaultHost="localhost"> <Host name="localhost" appBase="webapps" unpackWARs="true"
autoDeploy="true">
Context path="" docBase="${catalina.home}/atlassian-jira" reloadable="false" useHttpOnly="true">

<Resource
name="UserTransaction"
auth="Container"
type="javax.transaction.UserTransaction"
factory="org.objectweb.jotm.UserTransactionFactory"
jotm.timeout="60"/>
<Manager pathname="" />
<JarScanner scanManifest="false"/>
<Valve className="org.apache.catalina.valves.StuckThreadDetectionValve"
threshold="120" />
</Context>
```

b) Add a new resource name:

```
<Resource
name="jdbc/oracle"
auth="Container"
type="javax.sql.DataSource"
driverClassName="oracle.jdbc.OracleDriver"
url="jdbc:oracle:thin:@<host>:1521:<SID>"
username="<database-user>"
password="<password>"
connectionProperties="SetBigStringTryClob=true"
accessToUnderlyingConnectionAllowed="true"
maxTotal="60"
maxIdle="20"
maxWaitMillis="10000"/>
```

The final file will look like this:

```
Context path="" docBase="${catalina.home}/atlassian-jira" reloadable="false" useHttpOnly="true">

<Resource name="UserTransaction"
auth="Container"
type="javax.transaction.UserTransaction"
factory="org.objectweb.jotm.UserTransactionFactory"
jotm.timeout="60"/>
<Manager pathname="" />
<JarScanner scanManifest="false"/>
<Valve className="org.apache.catalina.valves.StuckThreadDetectionValve"
threshold="120" />

<Resource name="jdbc/oracle"
auth="Container"
type="javax.sql.DataSource"
driverClassName="oracle.jdbc.OracleDriver"
url="jdbc:oracle:thin:@<host>:1521:<SID>"
username="<database-user>"
password="<password>"
connectionProperties="SetBigStringTryClob=true"
accessToUnderlyingConnectionAllowed="true"
maxTotal="60"
maxIdle="20"
```

```
maxWaitMillis="10000"/>
</Context>
```

5. Once this is done, start Jira.

MySQL

[Configuring a MySQL Datasource](#)

Example

MySQL Datasource

```
<Resource name="jdbc/myDS"
  auth="Container"
  type="javax.sql.DataSource"
  driverClassName="com.mysql.jdbc.Driver"
  url="jdbc:mysql://<host>/mydatabase?autoReconnect=true"
  username="<database-user>"
  password="<password>"
  maxActive="25"
  maxIdle="5"
  maxWait="10000"
  validationQuery="select 1"
/>
```

PostgreSQL

[Configuring a PostgreSQL Datasource](#)

Example

PostgreSQL Datasource

```
<Resource name="jdbc/myDS"
  auth="Container"
  type="javax.sql.DataSource"
  username="confluence"
  password="confluence"
  maxActive="100"
  maxIdle="10"
  driverClassName="org.postgresql.Driver"
  url="jdbc:postgresql://localhost:5432/confluence"
  validationQuery="Select 1"
/>
```