

# Import database pools from JBoss 4

{scrollbar}

This wizard will assist you in importing existing JBoss 4 database pools. For this particular example we will use the **hsqldb-ds.xml** provided by the **default** JBoss server, that is <jboss\_home>\server\default\deploy\hsqldb-ds.xml and Hypersonic database.

Before we continue you will have to provide Geronimo with the driver jar for Hypersonic HSQL. To do that you will have to install that driver into Geronimo's repository as described in the following steps.

1. Locate the HSQL driver jar **hsqldb.jar**. This file is located in the <jboss\_home>\server\default\lib directory. Make a copy of this file and rename it to **hsqldb-1.8.0.jar**.
2. Use the **Repository Viewer** portlet to install the HSQL driver jar . From the Administration Console click on **Common Libs** to access the portlet, click on **Browse** and point to the database driver jar. Change the **Group**: to **Hipersonic**, leave the remaining fields by default and click **Install**. You should see **Hipersonic/hsqldb/1.8.0/jar** listed near the top of the repository entries list.

From the Geronimo Administration Console click on the **Database Pools** link. From the **Database Pools** portlet click on **Import from JBoss 4**. In the **Step 1** of Importing the Database Pools specify the location of the **\*-ds.xml** file and click **Next**.

Database Pools

[view]

Import Database Pools -- Step 1: Upload Configuration File

This page starts the process of importing database pools from another application server. To do the import, you'll need to upload a configuration file from the other server using the fields below. After that, we'll convert the values we can, and ask you to confirm the configuration for each pool we find in the configuration.

JBoss 4 Import

Config File:

alt\deploy\hsqldb-ds.xml

Browse...

Please select the \*-ds.xml file from the jboss4/server/name/deploy directory.

Next

[Cancel](#)

Once the JBoss specific datasource is loaded, **Step 2** lists the database pools the wizard was able to recognize from the hsqldb-ds.xml file. Click on **Confirm and Deploy**.

Database Pools

[view]

Import Database Pools -- Step 2: Review Imported Data

The list of recognized database pools appears below. You can deploy any pools to Geronimo that were configured as plain JDBC pools, or XA pools where Geronimo has a supported XA adapter. Below the pool list is the list of status messages from the import process.

Original Name	Original JNDI	Import Status	Actions
DefaultDS	DefaultDS	Pending	<a href="#">Confirm and Deploy</a>
<a href="#">Skip Remaining Pools</a>			

Current Pools in Server:

- ◆ Derby\_Test
- ◆ SystemDatasource

Import Messages:

- ◆ Skipping MBean element

The following step allows you to edit the recognized database pool. In this step you will have to specify the driver jar you declared when updating the Geronimo repository. See how **Driver JAR**: is listed in the following figure.

Database Pools

[view]

This page edits a new or existing database pool.

**Pool Name:**

A name that is different than the name for any other database pools in the server (no spaces in the name please).

**Pool Type:** *TranQL Generic JDBC Resource Adapter*

**Basic Connection Properties**

**JDBC Driver Class:**

See the documentation for your JDBC driver.

**Driver JAR:**

Hipersonic/hsqldb/1.8.0/jar  
PointBase/pbclient/4.4.0/jar  
activeio/activeio/2.0-r118/jar  
antlr/antlr/2.7.2/jar  
asm/asm/1.4.3/jar  
axis/axis/1.4/jar  
backport-util-concurrent/backport-util-concurrent/2.2/jar  
castor/castor/0.9.5.3/jar  
concurrent/concurrent/1.3.4/jar  
console.dbpool/examples-dataSource-demoPool/1.0/rar

The JAR(s) required to make a connection to the database. Use CTRL-click or SHIFT-click to select multiple jars.

The JAR(s) should already be installed under Geronimo/repository/ (or [Download a Driver](#) )

**JDBC Connect URL:**

Make sure the generated URL fits the syntax for your JDBC driver.

**DB User Name:**

The username used to connect to the database

**DB Password:**

**Confirm Password:**

The password used to connect to the database

**Connection Pool Parameters**

**Pool Min Size:**

The minimum number of connections in the pool. The default is 0.

**Pool Max Size:**

The maximum number of connections in the pool. The default is 10.

**Blocking Timeout:**  (in milliseconds)

The length of time a caller will wait for a connection. The default is 5000.

**Idle Timeout:**  (in minutes)

How long a connection can be idle before being closed. The default is 15.

[Cancel](#)

Click on **Test Connection** to verify you entered all the necessary data and Geronimo can establish a connection.

Database Pools

[view]

**Create Database Pool -- Step 4: Test Connection**

**Test Result:** Connected to HSQL Database Engine 1.8.0

[Cancel](#)

Click on **Deploy**, this will take you to the same page you saw in **Step 2**. If you would have more pools defined in the file you could repeat these steps and selectively import some of the database pools. Since we only have one in this example you may click on **Finish** to complete the import wizard.

Database Pools

[view]

**Import Database Pools** -- Step 2: Review Imported Data

The list of recognized database pools appears below. You can deploy any pools to Geronimo that were configured as plain JDBC pools, or XA pools where Geronimo has a supported XA adapter. Below the pool list is the list of status messages from the import process.

Original Name	Original JNDI	Import Status	Actions
DefaultDS	DefaultDS	Deployed as DefaultDS	<a href="#">Finish</a>

---

Current Pools in Server:

- ◆ DefaultDS
- ◆ SystemDatasource

---

Import Messages:

- ◆ Skipping MBean element

You should now see the imported **DefaultDS** database pool.

Database Pools

[view]

This page lists all the available database pools.

For each pool listed, you can click the **usage** link to see examples of how to use the pool from your application.

Name	Deployed As	State	Actions
DefaultDS	Server-wide	running	<a href="#">edit usage</a>
NoTxDatasource	Server-wide	running	<a href="#">edit usage</a>
SystemDatasource	Server-wide	running	<a href="#">edit usage</a>
examples-datasource-demoPool	Server-wide	running	<a href="#">edit usage</a>

Create a new database pool:

- ◆ [Using the Geronimo database pool wizard](#)
- ◆ [Import from JBoss 4](#)
- ◆ [Import from WebLogic 8.1](#)