

Create new database pools

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You can create new pools by clicking on the **Using the Geronimo database pool wizard** link on the Database Pools portlet. This wizard will guide you through a four easy steps procedure.

First you need to specify the name of the database pool and the database type.

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Create Database Pool -- Step 1: Select Name and Database

Name of Database Pool:

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

Database Type:

The type of database the pool will connect to.

[Cancel](#)

Then you select the JDBC drivers which, by default, it has been pre-filled based on the database type you selected in the previous step. You also have to select the driver JAR from the scroll-down menu and then specify the database name. For this example a **test** database was previously created, this is a single step procedure and it is explained in [Create a database](#).

Create Database Pool -- Step 2: Select Driver, JAR, Parameters

JDBC Driver Class:

See the documentation for your JDBC driver.

Driver JAR:

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)

DB User Name:

The username used to connect to the database

DB Password:

Confirm Password:

The password used to connect to the database

Driver Connection Properties

Typical JDBC URL:

Database:

A property used to connect to Derby embedded. May be optional (see JDBC driver documentation).

[Cancel](#)

The following step lets you configure some connection parameters such as pool size (min and max) and timeouts. Once you are satisfied with the parameters click on **Test Connection**.

Database Pools [view]

Create Database Pool -- Step 3: Final Pool Configuration

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

Driver Status: *Loaded Successfully*

Connection Pool Parameters

Pool Min Size:
The minimum number of connections in the pool. Leave blank for default.

Pool Max Size:
The maximum number of connections in the pool. Leave blank for default.

Blocking Timeout: (in milliseconds)
The length of time a caller will wait for a connection. Leave blank for default.

Idle Timeout: (in minutes)
How long a connection can be idle before being closed. Leave blank for default.

[Cancel](#)

When you successfully tested the connection, click on **Deploy**. Alternatively you can click on **Show Plan**, this option shows you the deployment plan for this database pool and lets you edit it. Additional instructions on how to manually deploy a DB plan may be found in the [Configuring DB2 Datasource](#) section.

Database Pools [view]

Create Database Pool -- Step 4: Test Connection

Test Result: Connected to Apache Derby 10.2.2.0 - (485682)

[Cancel](#)