

Import database pools from WebLogic 8.1

← Import database pools from JBoss 4

↑ Configuring database pools

Removing database pools →

This wizard offers two different alternatives for importing existing BEA WebLogic database pools. The first one is by providing a configuration file (i.e. config.xml). If you choose for this option the wizard will convert as many fields as it can and then will ask you to manually enter those it was not able to convert. For instance, one of the values you will have to provide is the database password.

The second alternative is feasible if you have both Apache Geronimo and BEA WebLogic servers installed on the same machine, in this alternative you can directly specify the WebLogic installation path and domain directories. This alternative has the advantage of being able to directly read the database passwords.

Independently of the alternative you may choose, you will still need to tell Geronimo where the database driver jars are. For this particular example we will use the **Repository Viewer** portlet to install the PointBase driver jar.

Here is the steps summary for installing the PointBase database driver jar in Geronimo.

1. Locate the PointBase client driver jar **pbclient44.jar**. This file is located in the <bea_home>weblogic81\common\eval\pointbase\lib directory. Make a copy of this file and rename it to **pbclient-4.4.0.jar**.
2. Use the **Repository Viewer** portlet to install the PointBase 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 **PointBase**, leave the remaining fields by default and click **Install**. You should see **PointBase/pbclient/4.4.0.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 WebLogic 8.1**. The following figure illustrates the import wizard.

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.

WebLogic 8.1 Import

Config File:

Please select the config.xml file from the WebLogic domain directory.

Alternate WebLogic 8.1 Import

If WebLogic 8.1 is installed on the same machine as Geronimo, and the WebLogic domain directory is readable by the user running Geronimo, you can also point directly to the WebLogic installation and domain directories. This has the advantage that the import process can read the database passwords, whereas if you just import a config.xml above you'll need to re-enter all the passwords.

Domain directory path:

Please enter the full path to the WebLogic domain directory (containing the config.xml file) for your WebLogic domain (e.g. C:\bea\user_projects\domains\mydomain).

weblogic81/server/lib path:

Please enter the full path to the weblogic81/server/lib directory for your WebLogic 8.1 installation (e.g. C:\bea\weblogic81\server\lib).

[Cancel](#)

For this particular example we will focus in the second alternative. A default **example** domain was created in the WebLogic server with all the sample applications also included by default. This domain is located in the <bea_home>\user_projects\domains\examples directory.

In the first screen of the import wizard (illustrated in the above figure) enter the **Domain directory path:** and **weblogic81/server/lib path:** and click **Next**.

Domain directory path: <bea_home>\user_projects\domains\examples

weblogic81/server/lib path: <bea_home>\weblogic81\server\lib

The Step 2 illustrated in the following figure shows a list of recognized database pools from the WebLogic domain you specified that can be imported to Apache Geronimo.

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
examples-datasource-oracleXAPool	examples-datasource-oracleXAPool	Pending	Confirm and Deploy
examples-datasource-demoPool	examples-datasource-demoPool	Pending	Confirm and Deploy
examples-datasource-demoXAPool	examples-datasource-demoXAPool	Ignored	

[Skip Remaining Pools](#)

Current Pools in Server:

- ◆ DefaultDS
- ◆ SystemDatasource

Import Messages:

- ◆ Skipping element 'Server'
- ◆ Skipping element 'Application'
- ◆ Skipping element 'Application'
- ◆ Skipping element 'SecurityConfiguration'
- ◆ Skipping element 'StartupClass'
- ◆ Skipping element 'StartupClass'
- ◆ Skipping element 'StartupClass'
- ◆ Skipping element 'StartupClass'
- ◆ Skipping element 'StartupClass'
- ◆ Skipping element 'StartupClass'
- ◆ Skipping element 'JMSConnectionFactory'
- ◆ Skipping element 'JMSConnectionFactory'
- ◆ Skipping element 'JMSConnectionFactory'
- ◆ Skipping element 'JMSJDBCStore'
- ◆ Skipping element 'JMSServer'
- ◆ Skipping element 'JTA'
- ◆ Can't tell whether pool 'oraclePool' is an XA driver or not; will create local transaction pools in Geronimo.
- ◆ Can't tell whether pool 'demoPool' is an XA driver or not; will create local transaction pools in Geronimo.

Note that the WebLogic domain you are trying to import the database pool from must be running if you want to successfully test the connection. For this example click on the second **Confirm and Deploy** from the list, the one corresponding to **examples-datasource-demoPool**.

In the following step select the **Driver JAR**: you just created in the Geronimo repository.

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:

The JAR holding the selected JDBC driver. Should 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:

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](#)

Note that the database password has been recognized. Click on **Test Connection**, you should see a confirmation similar to the following figure. Click on **Deploy**.

Database Pools

[view]

Create Database Pool -- Step 4: Test Connection

Test Result: Connected to PointBase 4.4 ECF build 274

[Cancel](#)

The following page goes back to the Step 2, this time it will display the remaining database pools available for import and will also show the import status of the database pool you just imported. At this point you can click on **Skip Remaining Pools** to leave 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
examples-datasource-oracleXAPool	examples-datasource-oracleXAPool	Pending	Confirm and Deploy
examples-datasource-demoPool	examples-datasource-demoPool	Deployed as examples-datasource-demoPool	
examples-datasource-demoXAPool	examples-datasource-demoXAPool	Ignored	
Skip Remaining Pools			

Current Pools in Server:

- ◆ DefaultDS
- ◆ SystemDatasource
- ◆ examples-datasource-demoPool

Import Messages:

- ◆ Skipping element 'Server'
- ◆ Skipping element 'Application'
- ◆ Skipping element 'Application'
- ◆ Skipping element 'SecurityConfiguration'
- ◆ Skipping element 'StartupClass'
- ◆ Skipping element 'StartupClass'
- ◆ Skipping element 'StartupClass'
- ◆ Skipping element 'StartupClass'
- ◆ Skipping element 'StartupClass'
- ◆ Skipping element 'StartupClass'
- ◆ Skipping element 'JMSConnectionFactory'
- ◆ Skipping element 'JMSConnectionFactory'
- ◆ Skipping element 'JMSConnectionFactory'
- ◆ Skipping element 'JMSJDBCStore'
- ◆ Skipping element 'JMSServer'
- ◆ Skipping element 'JTA'
- ◆ Can't tell whether pool 'oraclePool' is an XA driver or not; will create local transaction pools in Geronimo.
- ◆ Can't tell whether pool 'demoPool' is an XA driver or not; will create local transaction pools in Geronimo.

You should now see the database pool you just imported listed in the database pool portlet.

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	edit usage
SystemDatasource	Server-wide	running	edit usage
examples-datasource-demoPool	Server-wide	running	edit usage

Create a new database pool:

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