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.

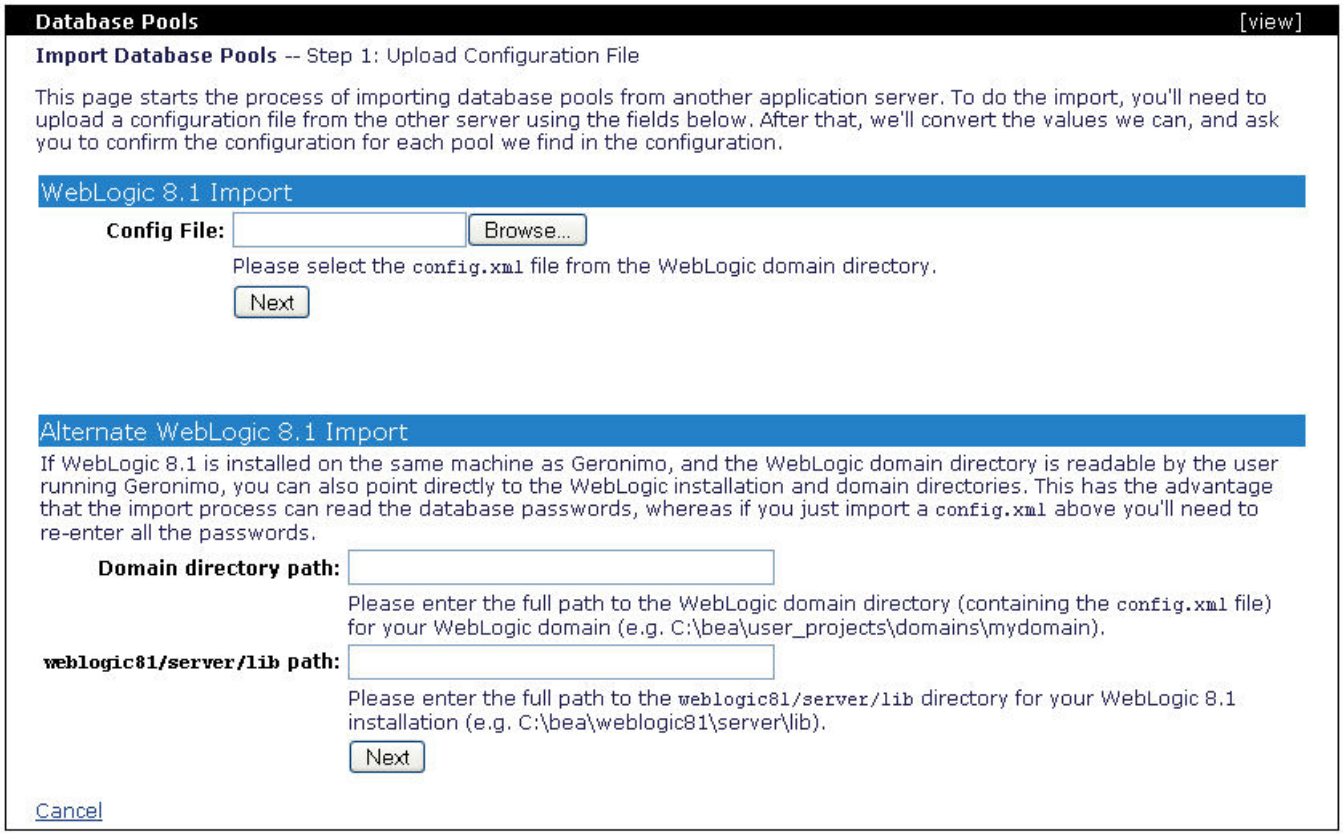
The second alternative is feasible if you have both Apache Geronimo and BEA WebLogic servers installed on the same machine, in this alternative you can directly specify the WebLogic installation path and domain directories. This alternative has the advantage of being able to directly read the database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



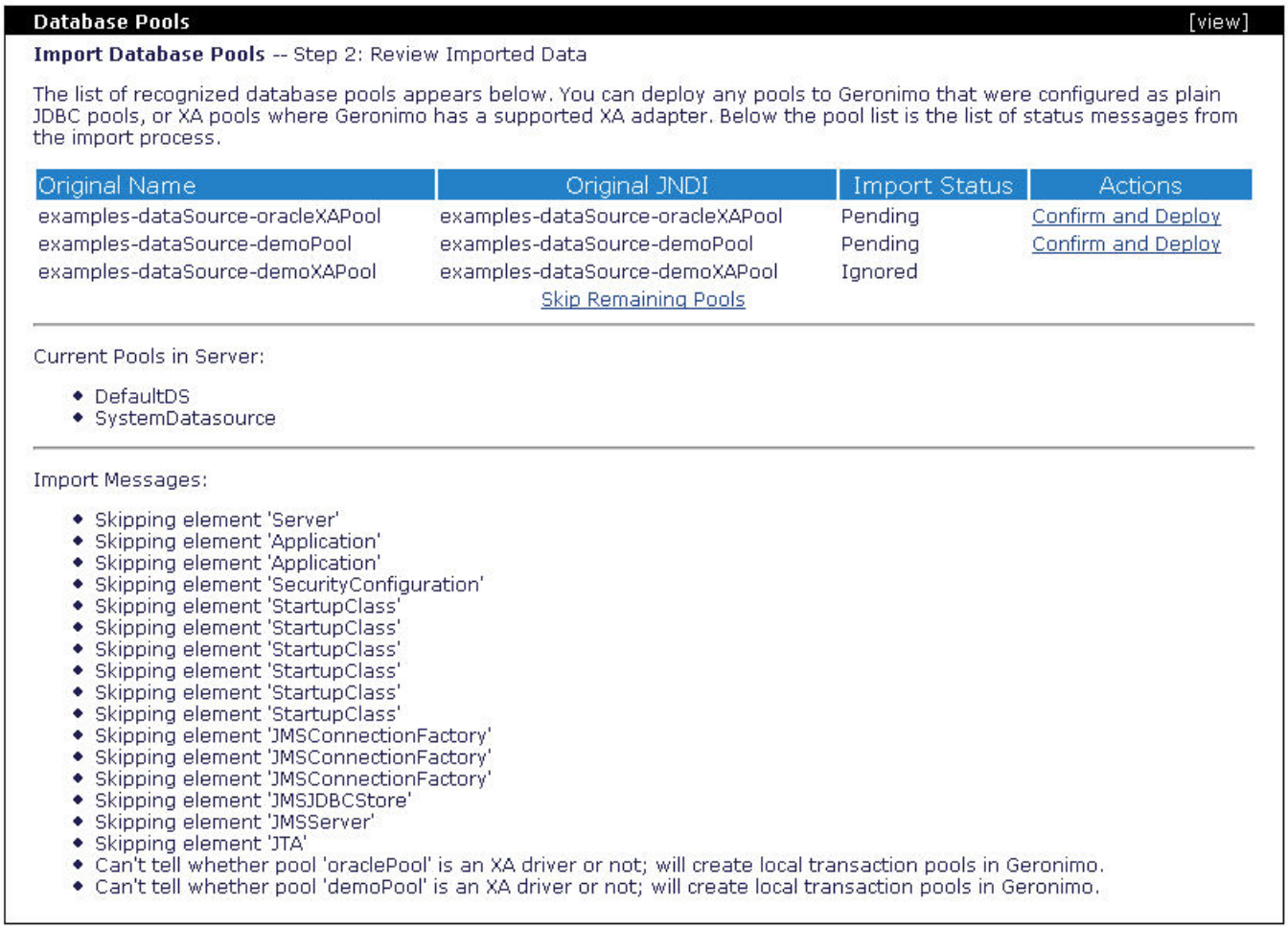
For this particular example we will focus in the second alternative. A default **example** domain was created in the WebLogic server with all the sample applications also included by default. This domain is located in the <bea_home>\user_projects\domains\examples directory.

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`

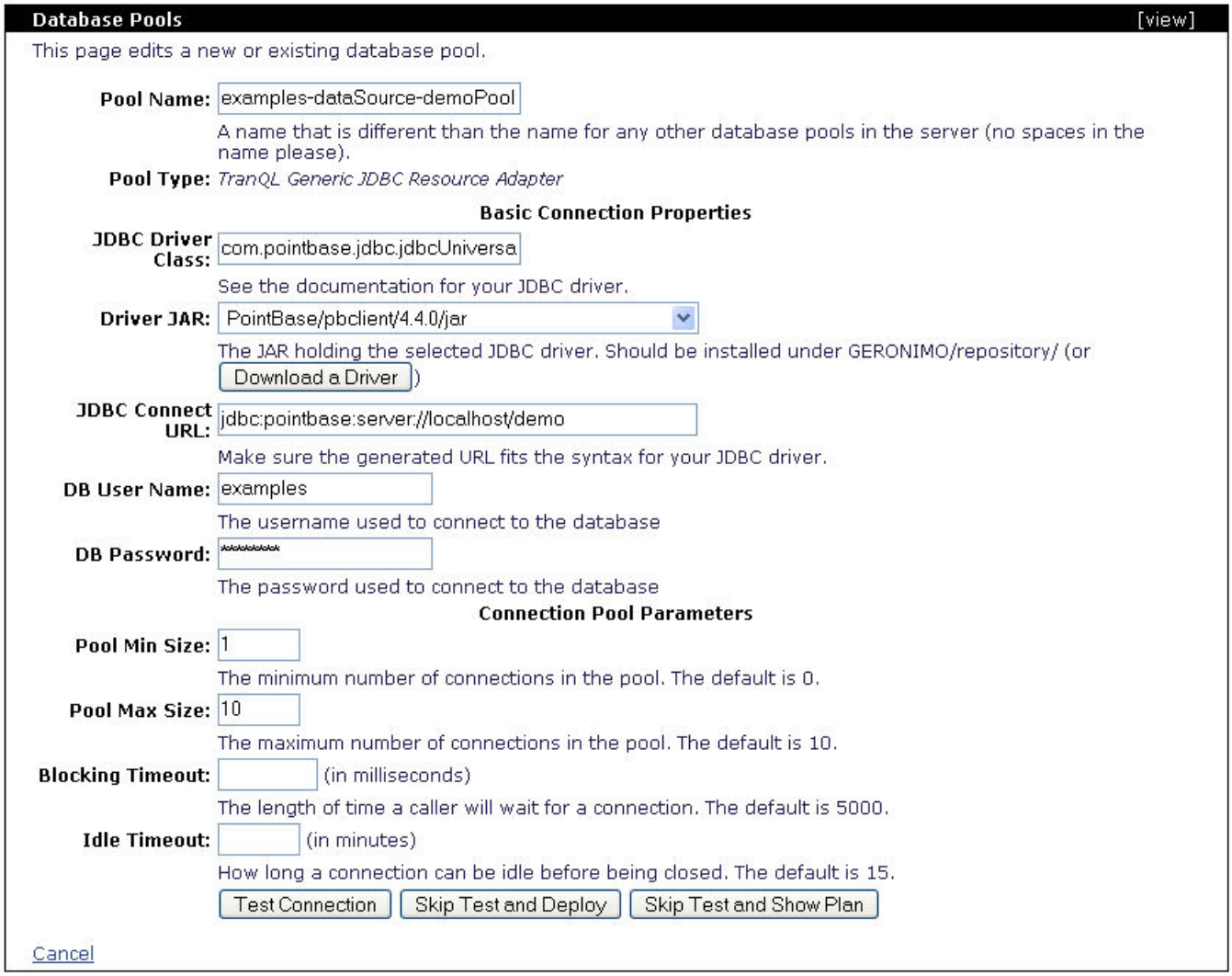
weblogic81/server/lib path: `<bea_home>\weblogic81\server\lib`

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.



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.



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

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