Import database pools from JBoss 4

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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.
- 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: ut/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 Confir m and Deploy.

Database Pools			[view]			
Import Database Pools Step 2: Review Imported Data						
The list of recognized data JDBC pools, or XA pools wh the import process.	base pools appears below. N here Geronimo has a support	/ou can deploy any pools to Ge ced XA adapter. Below the pool	ronimo that were configured as plain I list is the list of status messages from			
Original Name	Original JNDI	Import Status	Actions			
DefaultDS	DefaultDS <u>Sk</u>	Pending ip Remaining Pools	Confirm and Deploy			
Current Pools in Server:						
 Derby_Test SystemDatasource 						
Import Messages:						
 Skipping MBean eler 	nent					

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 n	new or existing database pool.
Pool Name:	DefaultDS
	A name that is different than the name for any other database pools in the server (no spaces in the name
Pool Type:	prease). TranOL Generic IDBC Resource Adapter
,	Basic Connection Properties
JDBC Driver	org.hsqldb.jdbcDriver
ciuss.	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
JDBC Connect URL:	The JAR(s) required to make a connection to the database. Ose CRC-click of Shiri Folds to select indiciple jars. The JAR(s) should already be installed under GERONIMO/repository/ (or Download a Driver) jdbc:hsqldb:\${jboss.server.data.dir}\${/}hypersonic\${/} Make sure the generated URL fits the syntax for your JDBC driver.
DB User Name:	sa The username used to connect to the database
DB Password:	
Confirm Decouverd	
Fassitora.	The password used to connect to the database
	Connection Pool Parameters
Pool Min Size:	5
Pool Max Size:	The minimum number of connections in the pool. The default is 0.
Blocking	
Timeout:	(in milliseconds)
Idle Timeout:	The length of time a caller will wait for a connection. The default is 5000. 0 (in minutes) How long a connection can be idle before being closed. The default is 15. Test Connection Skin Test and Deploy
<u>Cancel</u>	

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 Deploy Show Plan Deploy Show Plan	
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

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 JNDI	Import Status	Actions
DefaultDS	Deployed as DefaultDS	
	<u>Finish</u>	
ment		
	Original JNDI DefaultDS	Original JNDI Import Status DefaultDS Deployed as DefaultDS Finish

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	<u>edit usaqe</u>			
NoTxDatasource	Server-wide	running	<u>edit usaqe</u>			
SystemDatasource	Server-wide	running	<u>edit usaqe</u>			
examples-dataSource-demoPool	Server-wide	running	<u>edit usaqe</u>			
Create a new database pool: • <u>Using the Geronimo database pool wizard</u> • <u>Import from JBoss 4</u> • <u>Import from WebLogic 8.1</u>						