

1.1.4.2.1. DB2

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Apache Geronimo v2.0DB2Geronimo v1.1GeronimoJDBC

DB2DB22jar JDBCJDBC

DB2

Geronimo

DB2

DB2Geronimo23

- **db2jcc.jar** - DB2JDBCjar
- **db2jcc_license_cu.jar** - DB2 JDBC LinuxUNIXWindows DB2
- **db2jcc_license_cisuz.jar** - z/OSiSeries DB2(DB2 ESEDB2 Connect)JDBC

<sqllib_home>\javaDB2 JDBCURLDB2

<http://publib.boulder.ibm.com/infocenter/db2luw/v8/topic/com.ibm.db2.udb.doc/ad/t0010264.htm>

Geronimo()

db2jcc.jar	db2jcc-8.1.8.jar
db2jcc_license_cu.jar	db2jcc_license_cu-8.1.8.jar
db2jcc_license_cisuz.jar	db2jcc_license_cisuz-8.1.8.jar

DB2 v8.1.8.806

GeronimoGeronimo

<geronimo_home>\repository

- com/ibm/db2/db2jcc/8.1.8
db2jcc-8.1.8.jar
- com/ibm/db2/db2jcc_license_cisuz/8.1.8
db2jcc_license_cisuz-8.1.8.jar
- com/ibm/db2/db2jcc_license_cu/8.1.8
db2jcc_license_cu-8.1.8.jar

Geronimo

Apache GeronimoURLGeronimo

<http://localhost:8080/console>

system manager Login
Common Libs Repository viewer

db2jcc-8.1.8.jar

Group: com.ibm.db2 Install

db2jcc_license_cisuz-8.1.8.jar db2jcc_license_cisuz-8.1.8.jar

Geronimo

Geronimo Database Pools Using the Geronimo database pool wizard

Step 1Next

Database Pools

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

Name of Database Pool:

DB2_ds

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

Database Type:

DB2

The type of database the pool will connect to.

Next

Cancel

Step 2 **JDBC Driver Class:** (com.ibm.db2.jcc.DB2Driver) **Driver JAR:** CTRLSHIFT

db2admin SAMPLE DB2

Database Pools

[view]

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

JDBC Driver Class:

com.ibm.db2.jcc.DB2Driver

See the documentation for your JDBC driver.

Driver JAR:

activeio/activeio/2.0-r118/jar

annogen/annogen/0.1.0/jar

antlr/antlr/2.7.2/jar

asm/asm/2.2.3/jar

axis/axis/1.4/jar

backport-util-concurrent/backport-util-concurrent/2.2/jar

com.ibm.db2/db2jcc/8.1.8/jar

com.ibm.db2/db2jcc_license_cisuz/8.1.8/jar

com.ibm.db2/db2jcc_license_cu/8.1.8/jar

com.sun.xml.bind/jaxb-impl/2.0.3/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

Download a Driver

)

DB User Name:

db2admin

The username used to connect to the database

DB Password:

XXXXXXXXXX

Confirm Password:

XXXXXXXXXX

The password used to connect to the database

Driver Connection Properties

Typical JDBC URL:

jdbc:db2://{Host}:{Port}/{Database}

Port:

50000

A property used to connect to DB2. May be optional (see JDBC driver documentation).

Host:

localhost

A property used to connect to DB2. May be optional (see JDBC driver documentation).

Database:

SAMPLE

A property used to connect to DB2. May be optional (see JDBC driver documentation).

Next

Cancel

Next

Step 3 **Driver Status:** *Loaded Successfully*

Database Pools

[view]

Create Database Pool -- Step 3: Final Pool Configuration

JDBC Connect URL:

jdbc:db2://localhost:50000/SAMPLE

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.

Test Connection

Skip Test and Deploy

Skip Test and Show Plan

[Cancel](#)

Test ConnectionDB2

Database Pools

[view]

Create Database Pool -- Step 4: Test Connection

Test Result:

Connected to DB2/NT SQL08021

Deploy

Show Plan

[Cancel](#)

Deploy Database Pools DB2_ds

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
DB2_ds	Server-wide	running	edit usage
NoTxDataSource	Server-wide	running	edit usage
SystemDataSource	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](#)

db2-plan.xml

```

xmllsoliddb2-plan.xml deployment plan <?xml version="1.0" encoding="UTF-8"?> <connector xmlns="http://geronimo.apache.org/xml/ns/j2ee/connector-1.2"> <dep:environment xmlns:dep="http://geronimo.apache.org/xml/ns/deployment-1.2"> <dep:moduleId> <dep:groupId>console.dbpool</dep:groupId> <dep:artifactId>DB2_ds</dep:artifactId> <dep:version>1.0</dep:version> <dep:type>rar</dep:type> </dep:moduleId> <dep:dependencies> <dep:dependency> <dep:groupId>com.ibm.db2</dep:groupId> <dep:artifactId>db2jcc</dep:artifactId> <dep:version>8.1.8</dep:version> <dep:type>jar</dep:type> </dep:dependency> <dep:dependency> <dep:groupId>com.ibm.db2</dep:groupId> <dep:artifactId>db2jcc_license_cisuz</dep:artifactId> <dep:version>8.1.8</dep:version> <dep:type>jar</dep:type> </dep:dependency> <dep:dependency> <dep:groupId>com.ibm.db2</dep:groupId> <dep:artifactId>db2jcc_license_cu</dep:artifactId> <dep:version>8.1.8</dep:version> <dep:type>jar</dep:type> </dep:dependency> </dep:dependencies> </dep:environment> <resourceadapter> <outbound-resourceadapter> <connection-definition> <connectionfactory-interface>javax.sql.DataSource</connectionfactory-interface> <connectiondefinition-instance> <name>DB2_ds</name> <config-property-setting name="Password">db2admin</config-

```

```
property-setting> <config-property-setting name="Driver">com.ibm.db2.jcc.DB2Driver</config-property-setting> <config-property-setting name="
UserName">db2admin</config-property-setting> <config-property-setting name="ConnectionURL">jdbc:db2://localhost:50000/SAMPLE</config-property-
setting> <connectionmanager> <local-transaction/> <single-pool> <max-size>10</max-size> <min-size>0</min-size> <match-one/> </single-pool> <
/connectionmanager> </connectiondefinition-instance> </connection-definition> </outbound-resourceadapter> </resourceadapter> </connector>
```

<dep:environment> moduleId **Database Pools** Name moduleId

moduleId DB2 JDBC 2jar3 **<dep:dependency>** "" **<resourceadapter>** URL

DB2 <geronimo_home>\bin

```
deploy --user system --password manager deploy <dep_plan_home>\db2-plan.xml ..\repository\org\tranql\tranql-
connector-ra\1.3\tranql-connector-ra-1.3.rar
```

```
solid D:\geronimo-tomcat6-jee5-2.0\bin>deploy --user system --password manager deploy \tmp\db2-plan.xml ..\repository\org\tranql\tranql-connector-ra\1.
3\tranql-connector-ra-1.3.rar Using GERONIMO_BASE: D:\geronimo-tomcat6-jee5-2.0 Using GERONIMO_HOME: D:\geronimo-tomcat6-jee5-2.0 Using
GERONIMO_TMPDIR: D:\geronimo-tomcat6-jee5-2.0\var\temp Using JRE_HOME: C:\Java\jdk1.5.0_06\jre Deployed console.dbpool/DB2_ds/1.0/rar
```

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