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Syntax conventions in this document

- A command line prompt is designated with a **$**. On your operating system, the command line prompt might be different.
- Commands that you should type exactly as they appear are in **`bold typewriter-like font`**.
- Arguments that you must supply appear in ***`italic typewriter-like font`***. Each argument is explained.

Validating a DBMS connection from the command line

WebLogic provides a utility to test your connection to the database after installation.

How to test a two-tier connection from the command line

Use the **utils.dbping** utility to confirm that you can make a connection between Java and your database. The dbping utility is only for testing a **two-tier connection**, using a two-tier JDBC driver like jdbcKona/Oracle.

Syntax

```
$ java utils.dbping DBMS user password DB
```

Arguments

DBMS
    Use: INFORMIX, MSSQLSERVER, ORACLE, or SYBASE
user

Valid username for database login. Use the same values and format that you use with isql or sqlplus.

password

Valid password for the user. Use the same values and format that you use with isql or sqlplus.

DB

Name of the database. The format may vary depending on the database and version. Use the same values and format that you use with isql or sqlplus.

Examples

Informix

Connect to Informix from Java with jdbcKona/Informix using the same values that you use with DBACCESS.

```
$ java utils.dbping INFORMIX bill secret stores7@myserver
```

Microsoft SQL Server

Connect to Microsoft SQL Server from Java with jdbcKona/MSSQLServer using the same values that you use with isql. If you login to isql using `isql -Usa -Psecret -SDEMO`, type:

```
$ java utils.dbping MSSQLSERVER sa secret DEMO
```

Oracle

Connect to Oracle from Java with jdbcKona/Oracle using the same values that you use with sqlplus.

If you are not using SQLNet (and you have `ORACLE_HOME` and `ORACLE_SID` defined), follow this example:

```
$ java utils.dbping ORACLE scott tiger
```

If you are using SQLNet V1, follow this example:

```
$ java utils.dbping ORACLE scott tiger T:host:SID
```

where *host* is your server hostname and *SID* is the `ORACLE_SID` on the server.

If you are using SQLNet V2, follow this example:

```
$ java utils.dbping ORACLE scott tiger TNS_alias
```

where *TNS_alias* is a alias defined in your local `tnsnames.ora` file.

Sybase

Connect to Sybase from Java with jdbcKona/Sybase using the same values that you use with isql. If you login to isql using `isql -Usa -Psecret -SDEMO`, type:

```
$ java utils.dbping SYBASE sa secret DEMO
```

How to validate a multitier JdbcT3 connection from the command line

Use the **utils.t3dbping** utility to confirm that you can make a multitier database connection using a T3Server. The t3dbping utility is only for testing a **multitier connection**, after you have verified that you have a working two-tier connection using the dbping utility, and after you have started the T3Server.

Syntax

```
$ java utils.t3dbping URL user password DB driver_class driver_URL
```

Arguments

URL
: URL of the T3Server. For more information on constructing a T3Server URL, check Managing the T3Server.

username
: Valid username for the DBMS.

password
: Valid password for that user.

DB
: Name of the database. Use the same values and format that are shown above for testing a two-tier connection.

driver_class
: Class name of the JDBC driver between the T3Server and the DBMS. For instance, if you are using jdbcKona/Oracle on the server side, the driver class name is **weblogic.jdbc.oci.Driver**. Note that the class name of the driver is in dot-notation format.

driver_URL
: URL of the JDBC driver between the T3Server and the DBMS. For instance, if you are using jdbcKona/Oracle on the server side, the URL of the driver is **jdbc:weblogic:oracle**. Note that the URL of the driver is colon-separated.

Examples

These examples are displayed on multiple lines for readability. Each example should by entered as a single command.

Oracle

Here's an example of how to ping the Oracle DBMS DEMO20 running on the server bigbox, on the same host as the T3Server, which is listening on port 7001:

```
$ java utils.t3dbping           // command
     t3://bigbox:7001           // T3Server URL
     scott tiger                // user password
     DEMO20                     // DB
     weblogic.jdbc.oci.Driver   // driver class
     jdbc:weblogic:oracle       // driver URL
```

Sybase

This example shows how to ping the Sybase DBMS DEMODB running on the server bigbox, on the same host as the T3Server, which is listening on port 7001:

```
$ java utils.t3dbping           // command
     t3://bigbox:7001           // T3Server URL
     sa secret                  // user password
     DEMODB                     // DB
     weblogic.jdbc.dblib.Driver// driver class
     jdbc:weblogic:sybase       // driver URL
```

Oracle with ODBC

This example shows how to ping an Oracle database using the JDBC-ODBC bridge:

```
$ java utils.t3dbping           // command
     t3://bigbox:7001           // T3Server URL
     scott tiger                // user password
     ""                         // DB
     jdbc.odbc.JdbcOdbcDriver   // driver class
     jdbc:odbc:VISIORA73        // driver URL
```

For information on other T3Server commands, see Managing the T3Server.

Troubleshooting

If you are testing a connection to the T3Server, check the T3Server log. By default, the log is kept in a file called `weblogic.log` in the `weblogic/myserver` directory.

UNIX users

If you encounter a problem trying to load native_login, use `truss` to determine the source of the problem. For example, to run tutorial.example3, type:

```
$ truss -f -t open -s\!all java tutorial.example3
```

If you are using JdbcT3, make sure that `java/lib` is in the `LD_LIBRARY_PATH` on the host of the T3Server, otherwise JdbcT3 will not be able to locate the .so or .sl file.

WinNT/Windows95 users

If you get an error message that indicates that the .dll failed to load, make sure your `PATH` includes the 32-bit database-related .dlls.
