

Recital/4GL and JDBC Drivers

Using JDBC Drivers with the Recital/4GL

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JDBC DRIVER GATEWAYS

Recital supports Database Gateways not only to SQL Database Management Systems, but also to ODBC and JDBC drivers, to provide the widest possible choice of datasource.

The SET GATEWAY and LOGIN commands can be used from the Recital/4GL to open a connection to an external data source via a JDBC Driver.

SET GATEWAY TO [<expC1>]

<expC1> is a character string that must be formatted in the following way:

server@machinename:username/password-driver path:url

Parameter	Description
Server	Database server name or abbreviation, i.e. jdb or jdbc.
Nodename	IP Address or hostname of the machine on which the JDBC datasource resides.
Username	Username to log in to the external datasource.
Password	Password for username above.
Driver Path	Full name and path of the JDBC Driver.
URL	The JDBC Driver specific url. Optional.

If <expC1> is not included with the SET GATEWAY command, the connection in that workarea will be detached.

Example

```
// Connect to Recital JDBC Driver
set gateway to "jdbc@linux:jdbuser1/jdbpass1-/usr/java/lib/RecitalJDBC/Recital/sql/RecitalDriver;" + ;
"jdbc:Recital:SERVERNAME=linux1;DIRECTORY=/usr/recital/ud/demo"
```

LOGIN <server>,<nodename>,<username>,<password>,<driver path>,<url>

Parameter	Description
Server	Database server name, i.e. JDBC.
Nodename	IP Address or hostname of the machine on which the JDBC datasource resides.
Username	Username to login to the external database.
Password	Password for username above.
Driver Path	The full name and path of the JDBC Driver. This can optionally be followed by a semi-colon (;) and the JDBC Driver specific url to specify further parameters.

Example

```
// Recital JDBC Driver
server = "jdbc"
nodename = "host2"
username = "user1"
password = "pass1"
database = "/usr/java/lib/RecitalJDBC/Recital/sql/RecitalDriver;" + ;
"jdbc:Recital:SERVERNAME=host2;DIRECTORY=/usr/recital/ud/demo"
```

login server,nodename,username,password,database