

Quick Start: DataDirect Connect[®] for ODBC SQL Server Wire Protocol Driver on UNIX and Linux

The following basic information enables you to connect with and test your DataDirect Connect[®] for ODBC SQL Server Wire Protocol driver immediately after installation. For installation instructions for DataDirect Connect for ODBC, please see the [DataDirect Connect and Connect XE for ODBC Installation Guide](#).

Connecting to a Database

Once the DataDirect Connect for ODBC drivers are installed, you can connect from your application to your database.

Environment Setup

- 1 Check your permissions:** Log in as a user with full r/w/x permissions recursively on the entire DataDirect Connect for ODBC installation directory.
- 2 Determine which shell you are running:** Execute the `env` command.
- 3 Run the DataDirect Technologies setup script to set variables:** Two scripts, `odbc.csh` and `odbc.sh`, are installed in the installation directory. For Korn, Bourne, and equivalent shells, execute `odbc.sh`. For a C shell, execute `odbc.csh`. After running the setup script, execute the `env` command to verify that the `installation_directory/lib` directory has been added to your shared library path.
- 4 Set ODBCINI variable:** You must set the ODBCINI environment variable. The variable should point to the path from the root directory to the `odbc.ini` file where your data source will reside. DataDirect Connect for ODBC is installed with a template `odbc.ini` in the installation directory. For example:

```
$ ODBCINI= /opt/odbc/odbc.ini; export ODBCINI
```

Test Loading the Driver

The `ivtestlib` tool is a utility to verify that the driver can be loaded into memory; it is located in the `installation_directory/bin` directory. For example, to load the SQL Server Wire Protocol driver on Solaris (where `xx` represents the driver level number), you would enter:

```
$ ivtestlib /opt/odbc/lib/ivmsssxx.so
```

Setting up a Data Source in the `odbc.ini`

The default `odbc.ini` installed in the installation directory is a template into which you enter your site-specific database connection information using a text editor. Each database has its own section in the template. On Solaris, for example, you might enter:

```
[SQL Server Wire Protocol]
Driver=/opt/odbc/lib/ivmsssxx.so
Description=connection to my accounting database
Database=master
Address=123.456.78.90, 1433
```

Testing the Connection

The DataDirect Connect *for* ODBC installation includes a program called `example` that can be used to connect to a data source and execute SQL. The application is located in the *installation_directory/example* directory. To run the program, type `example` and follow the prompts to enter your data source name, user name, and password. If successful, a `SQL>` prompt appears and you can type in SQL Statements such as `Select * from <table_name>`. If `example` is unable to connect, the appropriate error message is displayed.

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