

Quick Start: DataDirect Connect[®] for ODBC DB2 Wire Protocol Driver on Windows

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

IMPORTANT: You must have the appropriate privileges for the driver to create and bind packages with your user ID. These privileges are BINDADD for binding packages, CREATEIN on the collection specified by the Package Collection option, and GRANT EXECUTE on the PUBLIC group for executing the packages. These are typically the permissions of a Database Administrator (DBA). If you do not have these privileges, someone that has a user ID with DBA privileges needs to create packages by connecting with the driver.

When connecting for the first time, the driver determines whether bind packages exist on the server. If packages do not exist, the driver creates them automatically using driver default values.

Connecting to a Database

- 1 Start the ODBC Administrator to display a list of user data sources.
- 2 Click **Add** to display a list of installed drivers. Select the DB2 Wire Protocol driver from the list and click **Finish** to display the driver Setup dialog box.
- 3 On the General tab, provide the following information; then, click **Apply**.
 - **Data Source Name:** Type a string that identifies this data source configuration in the system information, such as "Accounting."
 - **Description:** Type an optional long description of a data source name, such as "My Accounting Database."
 - **IP Address:** Type the IP (Internet Protocol) address of the machine where the catalog tables are stored. Specify the address using the machine's numeric address or specify its host name. The numeric IP address can be specified in either IPv4 or IPv6 format, or a combination of the two. If you enter a host name, the driver must find this name (with the correct address assignment) in the HOSTS file on the workstation or in a DNS server. The default is localhost.
 - **Tcp Port:** Type the port number that is assigned to the DB2 DRDA listener process on the server host machine. Specify either this port's numeric address or its service name. If you specify a service name, the driver must find this name (with the correct port assignment) in the SERVICES file on the workstation. The default is 50000.

On iSeries only, execute `NETSTAT` from an iSeries command line to determine the correct port number. Select option 3 to display a list of active ports on the iSeries machine. Find the entry for DRDA and press F14 to toggle and display the port number. If DRDA is not currently listening, the iSeries command, `CHGDDMTCPA AUTOSTART(*YES) PWDRQD(*YES)` starts the listener and ensures that it is active at IPL.

- **Location Name:** This field is valid and required only if you are connecting to a DB2 database on z/OS or iSeries. Type the DB2 location name. Use the name defined during the local DB2 installation.

On z/OS only, your system administrator can determine the name of your DB2 location using the `DISPLAY DDF` command.

On iSeries only, your system administrator can determine the name of your DB2 location using the `WRKRDBDIRE` command. The name of the database that is listed as *LOCAL is the value you should use.

NOTE: This field is disabled if the Database Name field is populated.

- **Collection:** This field is valid only if you are connecting to a DB2 database on z/OS or iSeries. By default, the User ID is used for the value of Collection. The User ID should always be used on z/OS.

NOTE: This field is disabled if the Database Name field is populated.

Database Name: This field is valid and required only if you are connecting to a DB2 database on Linux/UNIX/Windows. Type the name of the database to which you want to connect.

NOTE: This field is disabled if the Location Name or Collection fields are populated.

Testing the Connection

- 1 At the bottom of the Driver Setup dialog box, click **Test Connect** to attempt to connect to the data source using the connection properties that you specified. A logon dialog box appears. Note that the information you enter in the logon dialog box during a test connect is not saved. Click **OK**.

If the driver can connect, it releases the connection and displays a `connection established` message. If the driver cannot connect because of an improper environment or incorrect connection value, it displays an appropriate error message. Click **OK**.

- 2 Click **OK** or **Cancel** at the bottom of the Driver Setup dialog box. If you click **OK**, the values you have specified become the defaults when you connect to the data source.

Tuning the Driver for Optimal Performance

To tune the driver for optimal performance, run the DataDirect Connect *for* ODBC Performance Wizard, which is installed along with the product and is also available from the DataDirect web site (http://www.datadirect.com/products/odbc/performance_tuning_wizard/index.ssp). The Wizard leads you step-by-step through a series of questions about your application. Based on your answers, the Wizard provides the optimal settings for performance-related connection attributes.

The Wizard runs as an applet within a browser window. To run the Wizard, one of the following browsers must be installed:

- Microsoft Internet Explorer 6 or higher
- Netscape 4.x or higher
- Firefox 1.0 or higher

To start the Wizard that was installed with the product, launch the following file from your browser, where *installation_directory* is your DataDirect Connect *for* ODBC installation directory:

```
installation_directory/wizards/index.html
```

NOTE: Security features set in your browser can prevent the Wizard from launching. A security warning message is displayed. Often, the warning message provides instructions for unblocking the Wizard for the current session. To allow the Wizard to launch without encountering a security warning message, the security settings in your browser can be modified. Check with your system administrator before disabling any security features.

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