

Appendix E

Running the ODBC Data Source Administrator

Appendix E should only be referred to if any one of the following criteria is met:

- You're installing the FASTDATA Site Module to a local area network (LAN) and plan on having more than one user logged on to the software at one time.
- You intend to use an ORACLE database, in which case it is assumed that the installation will be done by a qualified ORACLE database administrator.

There is no need to refer to this appendix if you're installing the FASTDATA Site Module on your personal computer (PC), or if you're installing it to a LAN but will never have more than one user logged on at a time.

Adding an ODBC Data Source

If you're a stand-alone FASTDATA Site Module user, you must have an open database connectivity (ODBC) data source created on your system to connect to the FASTSITE database. The installation program automatically creates an ODBC data source for you. If you have problems connecting to your database, you may need to add an ODBC data source.

To run the ODBC Data Source Administrator:

1. Select **Settings, Control Panel** from the taskbar **Start** menu.
2. On the Control Panel window, double-click on the **ODBC** icon.

The ODBC Data Source Administrator application will open.

To add an ODBC data source:

1. Select the **User DSN** tab, and select **Add**.

The ODBC Data Source Administrator displays the **Create New Data Source** dialog box.

2. Select a driver for which you want to setup a data source, and select **Finish**.
3. To setup a Sybase Structured Query Language (SQL) Anywhere database, select the **Sybase SQL Anywhere 5.0** driver.
4. To setup an Oracle database, install and configure SQL*NET. (Refer to page E-5)

The ODBC Data Source Administrator displays the **ODBC Configuration** dialog box for the selected driver.

5. Select **Browse** to search for the FASTSITE database file.

The ODBC Configuration dialog displays the **Select Database** dialog.

6. In the **Filename** edit box, enter the drive and location of your FASTSITE database file, or search for the database file in the **Look in** list box.

The name of the FASTDATA Site Module database file is *FASTSITE.DB*, and the default installation location is *C:\FD-SITE*.

7. If FASTDATA was installed on a local area network (LAN), enter the network drive and location of the FASTSITE database file (e.g. *F:\FD-SITE\FASTSITE.DB*).
8. If the FASTDATA Site Module is installed on your personal computer, enter the local drive and location of the FASTSITE database file (e.g. *C:\FD-SITE\FASTSITE.DB*).
9. Select **OK**.
10. When you return to the **ODBC Configuration** dialog box, make sure you note the data source name supplied by the system; this is the name you must include in the FASTSITE.INI file. You may change the data source name, but make sure you use the same name in the *FASTSITE.INI* file.
11. Select **OK** on the ODBC Data Source Administrator window to complete the addition of the data source.

Configuring an ODBC Data Source

Your ODBC data source must be properly configured to connect to your FASTSITE database. The installation program automatically configures an ODBC data source for you. If you have problems connecting to your database, you may need to reconfigure the ODBC data source.

To run the ODBC Data Source Administrator:

1. Select **Settings, Control Panel** from the taskbar **Start** menu.
2. On the Control Panel window, double-click on the **ODBC** icon.

The ODBC Data Source Administrator application will open.

To configure an ODBC data source:

1. On the **User DSN** tab, select the data source name you want to configure from the **User Data Sources** list box and select **Configure**.

The ODBC Data Source Administrator displays the **ODBC Configuration** dialog box for the selected data source name.

2. If necessary, change the **Data Source Name** to match the DATABASE value in your *FASTSITE.INI* file.
3. If necessary, change the **Database Filename**. Enter the location of your FASTSITE database file, or select **Browse** to search for the FASTSITE database file.
4. When the information is correct, select **OK**.
5. Select **OK** on the ODBC Data Source Administrator window to complete the configuration.

Updating the *FASTSITE.INI* File

To connect to your FASTSITE database, your *FASTSITE.INI* file must identify what ODBC data sources you want to use with the FASTDATA Site Module. You may need to update the *FASTSITE.INI* file to correctly identify the FASTDATA Site Module ODBC data sources.

Locations that use an Oracle 8.1.5 database on a WinNT server and a Win95 workstation must install Oracle 7.3.4 client in order to get FASTSITE exe files to connect to the database. This requires that the user complete the **DATABASE=** portion of the *FASTDATA.INI* for Oracle 7, vice Oracle 8.

The *FASTSITE.INI* file consists of sections, which are enclosed in brackets (e.g. [INSTALLED]). The **INSTALLED** section specifies the data source names available to FASTDATA. If you create a new ODBC data source to use with the Site Module, you must add the data source name to the **INSTALLED** section of the *FASTSITE.INI*, as shown in the example that follows:

```
[INSTALLED]
1=FASTDATA_SITE
```

To add a data source name to the *FASTSITE.INI*:

1. Open the *FASTSITE.INI* file in a text editor, such as Notepad for Windows.

The default Site Module installation places the *FASTSITE.INI* file in the FASTDATA Site Module application directory.

2. Add a line to the **INSTALLED** section for your new ODBC data source using the following syntax: **number=data source name**.

Use the next available number for your data source name. The data source names must be in consecutive order.

3. Save the *FASTSITE.INI* file.

After updating your *FASTSITE.INI*, your **INSTALLED** section should look similar to the one shown below. Your installed data source names may be different.

```
[INSTALLED]
1=FASTDATA_SITE
2=FASTDATA_SERVER
```

For each installed data source name, you must have a corresponding database profile section in your *FASTSITE.INI*. A database profile section consists of your data source name enclosed in brackets (e.g. [FASTDATA_LOCAL]). Your database profile section identifies the DBMS, Database, and database type of your ODBC data source.

To add a database profile section to your FASTSITE.INI:

1. If you haven't done so already, open the *FASTSITE.INI* file in a text editor, such as Notepad for Windows.
2. Add a section for your database profile using the following syntax: **[data source name]**
3. Add the following lines after your database profile section label:

```
DBMS=ODBC  
DATABASE=data source name  
TYPE=SYBASE_SINGLE
```

If you're using an Oracle 7 database, add the following lines after your database profile section label:

```
DBMS=O73 ORACLE v7.3  
DATABASE=sqlnet name  
TYPE=ORACLE
```

If you're using an Oracle 8 database, add the following lines after your database profile section label:

```
DBMS=OR8 ORACLE v8  
DATABASE=sqlnet name  
TYPE=ORACLE
```

The **DBMS** value identifies your database management system. The value should always be set to ODBC unless you're using an Oracle database.

The **DATABASE** value identifies your ODBC data source. The value is set to your data source name to allow FASTDATA to retrieve information about your database from the ODBC Administrator. If you're using an Oracle database, this value is set to your SQL*NET connection name, which must match the entry in the *TNSNAMES.ORA* file.

The **TYPE** value identifies what DBMS you are using with the FASTDATA Site Module. The valid values are **SYBASE_SINGLE**, **SYBASE_SERVER**, and **ORACLE**. Use SYBASE_SINGLE and SYBSASE_SERVER for Sybase SQL Anywhere 5.0 desktop and server DBMS's respectively. Use ORACLE for an Oracle DBMS.

4. Save the *FASTSITE.INI* file, and close the text editor.

After updating your *FASTSITE.INI* file, your database profile section should look similar to the one below. Your database profile section label and data source name may be different.

```
[FASTDATA_SERVER]  
DBMS=ODBC  
DATABASE=FASTDATA_SERVER  
TYPE=SYBASE_SERVER
```

If you're using an Oracle 7 database, your database profile sections may look similar to the example below:

```
[FASTDATA_SITE_ORACLE]
DBMS=O73 ORACLE v7.3
DATABASE=FASTDATA.SBEACH.NAVY.MIL
TYPE=ORACLE
```

If you're using an Oracle 8 database, your database profile sections may look similar to the example below:

```
[FASTDATA_SITE_ORACLE]
DBMS=OR8 ORACLE v8
DATABASE=FASTDATA.SBEACH.NAVY.MIL
TYPE=ORACLE
```

If updating the *FASTSITE.INI* file with your new ODBC data source results in more than one installed ODBC data source, you will see more than one item in the **Database** drop-down list on the **Site Login** dialog box. When logging into the FASTDATA Site Module, select the desired database, then select **OK**.

Updating the TNSNAMES.ORA File

If you're using an Oracle database, you may need to configure the SQL*NET connection parameters in the *TNSNAMES.ORA* file to connect to your database. The SQL*NET connection parameters should look similar to the following example:

```
SQL*NET name =
(DESCRIPTION =
  (ADDRESS_LIST =
    (ADDRESS =
      (COMMUNITY = tcp.world)
      (PROTOCOL = TCP)
      (Host = TCP/IP address)
      (Port = Port number)
    )
    (ADDRESS =
      (COMMUNITY = tcp.world)
      (PROTOCOL = TCP)
      (Host = TCP/IP address)
      (Port = Port number)
    )
  )
  (CONNECT_DATA = (SID = orcl)
)
)
```

Make sure your SQL*NET name, TCP/IP address, and port number are correct. If you don't know the values for these items, you may need to obtain them from your LAN administrator. Your SQL*NET connection parameters should look similar to the following parameters:

```

FASTDATA.world =
  (DESCRIPTION =
    (ADDRESS_LIST =
      (ADDRESS =
        (COMMUNITY = tcp.world)
        (PROTOCOL = TCP)
        (Host = 198.97.146.30)
        (Port = 1521)
      )
      (ADDRESS =
        (COMMUNITY = tcp.world)
        (PROTOCOL = TCP)
        (Host = 198.97.146.30)
        (Port = 1521)
      )
    )
  )
(CONNECT_DATA = (SID = FASTDATA.SBEACH.NAVY.MIL) (This is an example only)
)
)

```

Using the Silent Install

If you are a system administrator, you may prefer to create a default install configuration that you can use to run subsequent installations.

To use the Silent install:

1. Run the FASTDATA Site Module installation program with the **/q** argument. The **/q** argument runs the installation program in query mode. For example, use the following line:
a:\setup.exe /q
2. Select the product, options, and suboptions you want to install.

Rather than installing the products you selected, the installation program prompts you to specify how to update files and then presents the **Save Query Information** dialog box. You can use this dialog box to change the default name and location of the setup file. By default, the setup file is saved in *C:\SILENT\SESSION.SET*.

3. Copy the *SESSION.SET* file to a network drive or diskette.
4. Install PowerBuilder using the Silent install.

Close any applications that are running and run the installation program with the path name of the *SESSION.SET* file as an argument. For example, use the following line:

```
d:\setup.exe c:\silent\session.set
```

Adding Options Later

You can install additional options by running the installation program again.

To add an option to your FASTDATA Site Module installation:

1. Run the installation program (as described in Chapter 2 of this manual, *Steps for Stand-alone Installation* or *Steps for Server Installation*, depending on the type of installation you originally installed). When prompted, select **Custom** installation.
2. Select the product, options, and suboptions you want to install.

You do not need to select the **FASTDATA Site** option again; it is already installed.

3. When prompted, select **Merge** in the **Duplicate Uninstall Log Files** dialog box to merge the log file for this session with the log file **Setup** created when you installed PowerBuilder.
4. Complete the installation program.

Uninstalling FASTDATA Site Module

If you want to remove the FASTDATA Site Module from your system, you can use the **Uninstall** feature of the installation program.

Why use Uninstall?

The uninstall process removes files and icon groups, as well as system and user path settings in the registry and INI files. For this reason it is important to use **Uninstall** instead of simply deleting directories.

Removing system DLL's

On 32-bit systems, Setup increments the usage count for each system DLL in the registry when you install, and decrements it when you uninstall. If you remove a component that uses a system DLL and the usage count becomes zero, Setup asks if you want to delete the DLL.

NOTE Be cautious about deleting system DLL's. Some applications do not increment the registry usage count for the system DLLs they use. Before you delete a system DLL, **make sure** it is not required by another application.

Cross-checking

Before removing each component, the program cross-checks installation files for other applications to ensure that the component is no longer in use. The cross-checking process may take some time to complete.

To use Uninstall to remove the FASTDATA Site Module:

1. Make a backup copy of any files you may want to reuse (such as *.DB, *.INI, and *.DLL files) if you plan to reinstall.
2. Close the application you want to uninstall and any other applications that are running.
3. Run the installation program (as described in Chapter 2 of this manual, *Steps for Standalone Installation* or *Steps for Server Installation*, depending on the type of installation you originally installed) and select **Uninstall Products** from the **Setup** dialog box.
4. Select the products, options, and suboptions you want to remove and select **Next**.

The program begins checking and deleting unused files. If the program finds an unused system DLL or a read-only file, it opens a window that allows you to choose to delete or retain the file.

NOTE The program does not ask if you want to delete a system file unless the file's usage count in the registry is zero. However, some applications do not increment the registry usage count. **DO NOT** delete a file unless you are sure it is not being used by another application.

Where Uninstall information is kept

The installation program uses a file containing uninstall information to determine what to remove. This file is created in *WINDOWS\PSUNINST* or *WIN95\PSUNINST* when you install the FASTDATA Site Module. Setup generates a log file in your *PSUNINST* directory for each uninstall session. The name of this file appears at the bottom of the **Uninstalling** dialog box.