

**ORACLE7 (TM) ODBC DRIVER
INSTALLATION AND SETUP PROCEDURES**

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Introduction

This document is intended to guide you as you install the Oracle7 ODBC Driver. Please read the entire document before beginning the installation process.

On-line help for Installation

Once the installation process is started, additional help will be available through the installation program's on-line help system. Simply press the "Help" button on any dialog box that the installation program (Installer) displays, and information on how to complete the dialog box will be displayed on the computer screen. For more information on how to use the Help System, please refer to the User Guide that came with your version of Microsoft Windows.

On-line help for Oracle7 ODBC Driver

Once the installation process is started, specific help for the Oracle7 ODBC Driver will be available. Simply select the Oracle7 ODBC Driver from the list of available driver and press the "Setup" button. A new dialog box will appear. Press the "Help" button for specific help for the Oracle7 ODBC Driver. For more information on how to use the Help System, please refer to the User Guide that came with your version of Microsoft Windows.

Topics discussed in this document include:

- why the Oracle7 ODBC Driver is needed
- what you should know before installing the Oracle7 ODBC Driver
- what computer equipment (hardware) and computer programs (software) you will need before installing the Oracle7 ODBC Driver
- step-by-step instructions on how to install the Oracle7 ODBC Driver
- descriptions of advanced installation features
- what is the ODBC Administrator and how to get the Oracle7 ODBC Driver version number

Why Do You Need The Oracle7 ODBC Driver?

The Oracle7 ODBC Driver is a special computer program that allows a wide variety of ODBC compliant database applications to work together with the Oracle7 database server. In simple terms, the Oracle7 ODBC Driver acts as a translator between the ODBC interface used by popular front end applications and the native interface to an Oracle7 database. For example, once the Oracle7 ODBC Driver is installed, you will be able to use popular front end applications such as Microsoft Access to manipulate information from your Oracle7 database.

What You Should Know Before Installing the Oracle7 ODBC Driver

This document assumes that you are already familiar with the Windows environment and specifically:

- using the mouse
- selecting menu items
- using the Help System
- entering information into dialog boxes
- pressing screen "buttons"

If you are not familiar with how to perform these functions within DOS or the Windows environment, please ask your Systems Administrator for instructions or consult your Windows User Guide.

Hardware and Software Requirements

Before installing the Oracle7 ODBC Driver, please make sure that your computer and network meet the following minimum requirements for hardware and software. If you are unsure of what the specifications of your system are, please consult your user manuals or ask your Network Administrator or computer dealer for details.

The term "Client" in this document refers to the computer used to request information from the Oracle7 database.

The term "Server" in this document refers to the computer used to store the Oracle7 database data.

Client Requirements

- An IBM-compatible personal computer attached to a network
- Microsoft Windows version 3.1 or later
- Either MS-DOS version 5.0 (or higher) or DR-DOS version 6 (or higher)
- A Hard Disk Drive with approximately 350 kilobytes of free space for the Oracle7 driver if ODBC Setup is already installed, or 1 megabyte of hard disk space for a full installation.
- A minimum of 2.5 megabytes of random-access memory (4 MB is recommended)
- Oracle SQL*Net for Windows V1 or V2 client network software (Note: Oracle SQL*Net must be installed prior to installing Oracle7 ODBC Driver because the ODBC Driver is dependent on Ora7win.dll. Make sure that c:\orawin\bin is on your path where orawin is your default Oracle home for your Oracle Windows products.)

Server Requirements

- Networking protocol software supported by ORACLE SQL*Net for Windows (e.g. TCP/IP, SPX/IPX, etc...)
- An Oracle7 Server (This ODBC Driver is not compatible with ORACLE V6)

Installing the Oracle7 ODBC Driver

The Oracle7 ODBC driver Setup program (SETUP.EXE) is used to install the Oracle7 ODBC Driver.

The Setup program copies the Oracle7 ODBC Driver (SQORA7.DLL) and associated ODBC files to your Windows System directory. It also sets up the ODBC Administration program which allows you to add or delete ODBC drivers and data sources.

To Install the Oracle7 ODBC Driver

Please note that the Setup program requires that Microsoft Windows be running prior to starting the program.

From the DOS prompt:

1. Type **win** and press <enter>
(Microsoft Windows will then be started)

From within Windows:

2. In the Windows Program Manager... select the "File" menu.
(the File menu will then be displayed)
3. From the File menu... select the "Run" menu item
(Windows will then display the Run dialog box (Windows v3.1))
4. Insert the Oracle7 ODBC Driver Install disk into either floppy drive A: or floppy drive B:
5. Type **a:setup** in the Command Line box (or type **b:setup** if the install disk is in drive B:)
6. Select the "OK" button
(a dialog box that says "Initializing Setup..." will appear as the Setup program is loaded and started)

The Welcome Dialog Box

Once the Setup program is loaded and started, the Welcome Dialog is displayed.

7. Select the "Continue" button to begin the installation process

(the Install Drivers dialog box will appear)

or

Select the "Exit" button to abort the installation process and return to Windows.

(a message box will appear that tells you that the installation has been aborted and gives you the option of resuming the installation or returning to Windows)

The Install Drivers Dialog Box

If the "Continue" button was selected, the Install Drivers dialog box will be displayed.

8. Select "Oracle7" from the list of available ODBC drivers

9. Select the "OK" button

(The Copying Files dialog box is then displayed as Setup begins to transfer files to your Windows directory. When all the files have been installed, the Data Sources dialog box will be displayed.)

The Data Sources Dialog Box

When Setup finishes installing the driver files, the Data Sources dialog box is displayed.

If your system already has a previous version of an Oracle ODBC Driver (this ORACLE V6 specific ODBC Driver was named "Oracle" and was bundled with Access 1.1 and Visual Basic 3.0) set up as a data source, you have two options:

- i) set up a new data source for Oracle7 and keep the ORACLE V6 ODBC Driver ("Oracle")
If you choose this option you will be able to access data in either ORACLE V6 or Oracle7 databases.
- ii) replace the ORACLE V6 data source(s) with Oracle7 data source(s)
If you choose this option you will be able to access data only in Oracle7 databases.

Your Database Administrator will be able to advise you on which method should be used. If you are unsure which method would be best, or if you do not have the existing ORACLE V6 data source, set up a new data source for Oracle7. Please note that the Oracle7 ODBC Driver works only against an Oracle7 Server. To access ORACLE V6, you will need to acquire the Oracle ODBC Driver bundled with Access 1.1 and Visual Basic 3.0.

If you wish to setup a new data source for Oracle7:

10. Select the "Add" button on the Data Sources dialog box.

(the Add Data Sources dialog box will appear)

11. Select the "Oracle7" data source name from the Installed ODBC Drivers list box

12. Select the "OK" button

(the ODBC Oracle Setup dialog box will appear)

13. Enter the Data Source Name, Description, and ORACLE SQL*Net Connect String

(if you are unsure of what information to enter, press the "Help" button on the dialog box or consult your Network Administrator)

Note: Round brackets (), square brackets [], the equals sign =, and the semi-colon ; cannot be used as part of a Data Source Name

Examples: Data Source Name: Oracle7 or Company Data or Main Server
Description: The Oracle7 ODBC Driver
Connect String: t:pepsi:ora

14. Select the "OK" button

(you will be returned to the Data Sources dialog box)

15. Select the "Close" button

(a message box will appear telling you that the installation was completed successfully)

16. Select the "OK" button

(Setup will end and you will be returned to the Windows Program Manager)

If you wish to change an ORACLE V6 data source to an Oracle7 data source:

10. Select the ORACLE V6 data source name from the Data Sources list box

11. Select the "Setup" button on the Data Sources dialog box.

(the ODBC Oracle Setup dialog box will appear)

12. Write down on a sheet of paper the Data Source Name, the Description, and the ORACLE SQL*Net Connect String

(you will need this information later)

13. Select the "OK" button

(you will be returned to the Data Sources dialog box)

14. Select the "Delete" button

(a message box will appear asking if you really want to delete the data source)

15. Select the "Yes" button

(you will be returned to the Data Sources dialog box)

16. Select the "Add" button on the Data Sources dialog box.

(the Add Data Sources dialog box will appear)

17. Select the "Oracle7" data source name from the Installed ODBC Drivers list box

18. Select the "OK" button

(the ODBC Oracle Setup dialog box will appear)

19. Enter the Data Source Name, Description, and ORACLE SQL*Net Connect String

(if you are unsure of what information to enter, press the "Help" button on the dialog box or consult your Network Administrator)

Note: *Other applications may be set up to use the Data Source Name that you wrote down in step #12. For this reason we suggest that you use the same Data Source Name. The Description and ORACLE SQL*Net Connect String may need to be changed. See your Database Administrator for details.*

Note: *Round brackets (), square brackets [], the equals sign =, and the semi-colon ; cannot be used as part of a Data Source Name*

Examples: *Data Source Name: Oracle7 or Company Data or Main Server
Description: The Oracle7 ODBC Driver
Connect String: t:pepsi:ora*

20. Select the "OK" button

(you will be returned to the Data Sources dialog box)

21. Select the "Close" button

(a message box will appear telling you that the installation was completed successfully)

22. Select the "OK" button

(Setup will end and you will be returned to the Windows Program Manager)

Advanced Installation Features

The previous section described the basic steps required to install the Oracle7 ODBC Driver. This section outlines other installation features that are available from the Setup program. These options can be used at any time that you wish to make modifications to the existing ODBC setup. Simply run the SETUP.EXE program from the Windows Program Manager and select the appropriate options.

The Setup program allows you to:

- add a new data source
- modify an existing data source
- delete an existing data source

ODBC drivers can be removed from your system from the Windows Control Panel.

To add an Oracle7 ODBC data source

1. In the Main group in the Program Manager window, double-click the Control Panel icon. In the Control Panel window, double-click the ODBC icon.
2. In the Data Sources dialog, choose the Add button.
3. In the Add Data Source dialog, select Oracle7 from the Installed ODBC Drivers list and choose the OK button.
4. Enter the name of the data source and its description.

The Data Source name is a name by which you will identify the data source. For example, "Personnel Data". The description of the data source is used for additional information about the type of data in the data source. For example, "Hire date, salary history, and current review of all employees".

Examples: *Data Source Name: Oracle7 or Company Data or Main Server*
 Description: The Oracle7 ODBC Driver

5. Enter the data source's network connection string.

Examples: *Connect String: t:pepsi:ora*

6. When all entries are made, choose the OK button to add the data source.

To test your Oracle7 Connection (ODBCST.EXE)

Once the Oracle7 ODBC Driver and SQL*Net for Windows are installed, you can test your connection to an Oracle7 Server with the provided ODBCST.EXE program. In the Program Manager Window select Run... in the File menu to execute ODBCST.EXE. Make sure that you have created an Oracle7 ODBC data source prior to establishing a connection. A successful connection via ODBCST ensures that the Oracle7 ODBC Driver is installed correctly and a connection to Oracle7 is readily available.

To modify an Oracle7 ODBC data source

1. In the Main group in the Program Manager window, double-click the Control Panel icon. In the Control Panel window, double-click the ODBC icon.
2. In the Data sources dialog, select the data source from the Data Sources list and choose the Setup button.
3. Enter the data source's name, description and network connection string.

Examples: *Data Source Name: Oracle7 or Company Data or Main Server*
 Description: The Oracle7 ODBC Driver
 Connect String: t:pepsi:ora

To delete an Oracle7 ODBC data source

1. In the Main group in the Program Manager window, double-click the Control Panel icon. In the Control Panel window, double-click the ODBC icon.
2. Select the data source from the Data Sources list.
3. Choose the Delete button and then choose the Yes button to confirm the deletion.

To Remove the Oracle7 ODBC Driver from your System

1. In the Main group in the Program Manager window, double-click the Control Panel icon. In the Control Panel window, double-click the ODBC icon.
2. Choose the Drivers button. The Drivers dialog appears.
3. Select the Oracle7 driver from the list.
4. Choose the Delete button.
5. You will be asked to confirm that you want to remove the driver and all the data sources that use the driver. Choose the Yes button.

ODBC Administrator

The ODBC Administrator is used to add, modify or delete data sources from your system. You can access the ODBC Administrator from Windows in the Control Panel. You can also use the ODBC Administrator to get the version number of the driver.

Oracle7 ODBC Driver version

1. To get the version number of your Oracle7 ODBC Driver, follow these steps:
2. In the Main group in the Program Manager window, double-click the Control Panel icon. In the Control Panel window, double-click the ODBC icon to run the ODBC Administrator.
3. In the ODBC Administrator, choose the Drivers button. A list of drivers will come up.
4. Select Oracle7 from the ODBC Drivers list and choose the OK button.
5. Choose the About button. A dialog box will appear showing the Oracle7 ODBC Driver information, including it's version number. (Driver, File Name, Description, Company, Version, Language, Creation Date and Size).