



Alarm Logging to Oracle

APPLICATIONS NOTE

January 2003

Description: Guide to setting up Alarm Logging to an Oracle database.

OS Requirement: The operating system required by Oracle 8.0.5 is Win NT.

General Requirement:

Alarm Logging to Oracle is supported for Oracle version 8.0.5.10.0 for Win NT, although other versions of Oracle may work equally well.

Capabilities:

AlarmWorX32 Logger supports the following features for Oracle:

- Logging alarms to an Oracle database
- Specify table name, max table size, and max logging interval.
- Configure archive tables, including number of archive tables, table size, and table interval.

Oracle Setup:

1. Install Oracle Enterprise Edition 8.0.5.0.0 (Oracle8 Enterprise Edition) on Windows NT. It is not necessary to install Oracle Documentation, Cartridges or Recovery Manager. Use all of the default settings unless you are sure that you want to change a setting.

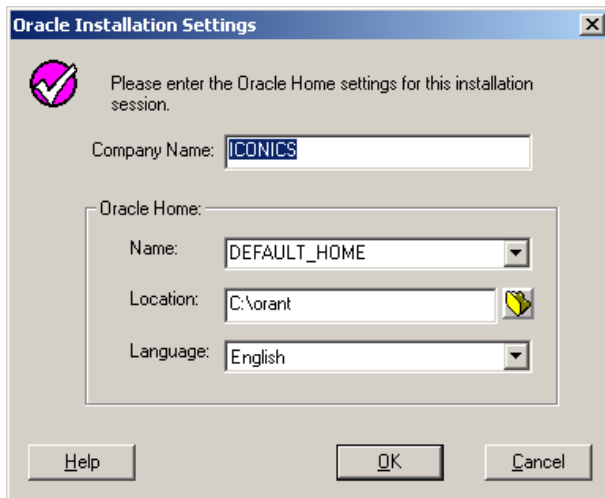


Fig.1 Installing Oracle8

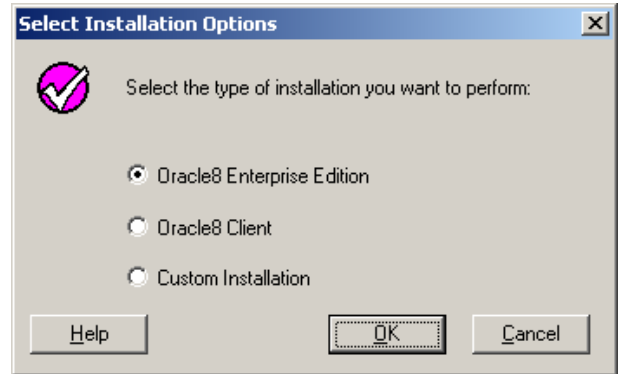


Fig.2 Choose Oracle8 Enterprise or Client

2. If the Alarm Logger is on a separate computer from the Oracle Server, then Install Oracle Enterprise Edition 8.0.5.0.0 (Oracle8 Client) on the client PC. When asked, choose “Application User” instead of “Database Administrator” unless you require database administration utilities on the Client PC.
3. Upgrade the Oracle ODBC drivers to version 8.0.5.10 on both server and client Oracle machines. Download them from <http://otn.oracle.com/software/tech/windows/odbc/content.html>

Version	Date	Size
8.0.5.10.0	24-October-2000	0.61MB

Run Oracle Installer in order to install the new ODBC drivers.

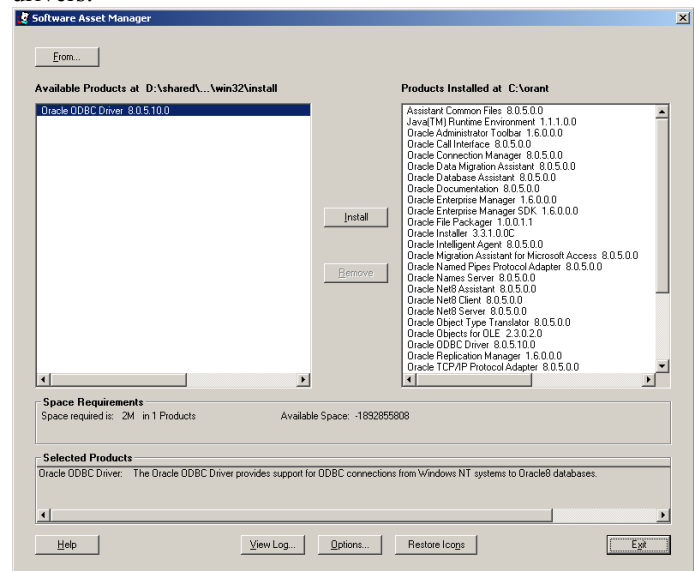


Fig.3 Oracle Installer

4. Run “Oracle Net8 Easy Config” on the Client Machine. Add a New Service with the following settings:

- Give the Service a name that will allow you to remember the Server on which Oracle is running.
- Choose TCP/IP Service
- Host Name – Name of your Oracle server
- Port Number - 1521 (default)
- Database SID – ORCL (default)
- Press Test button to make sure that the connection works

- TNS Service Name (use the name that you configured in Oracle Net8 Easy Config). The service name may not appear in the combo box if your Oracle server is not running.
- Username – Use any usernames that you have configured (or use User: Scott, Password: Tiger, which is a default account on all Oracle systems).

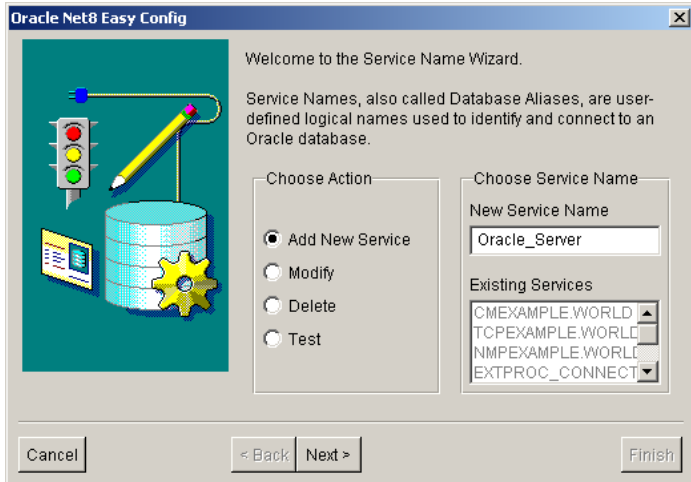


Fig.4 Adding a TNS Listener to Connect

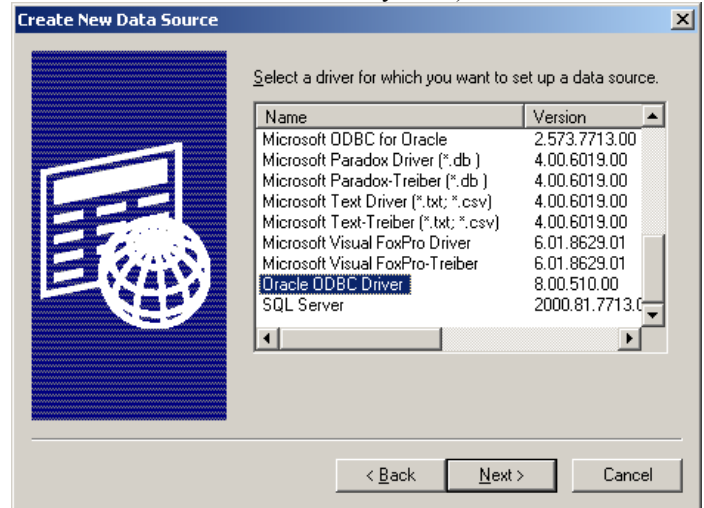


Fig.6 Adding a New ODBC Data Source

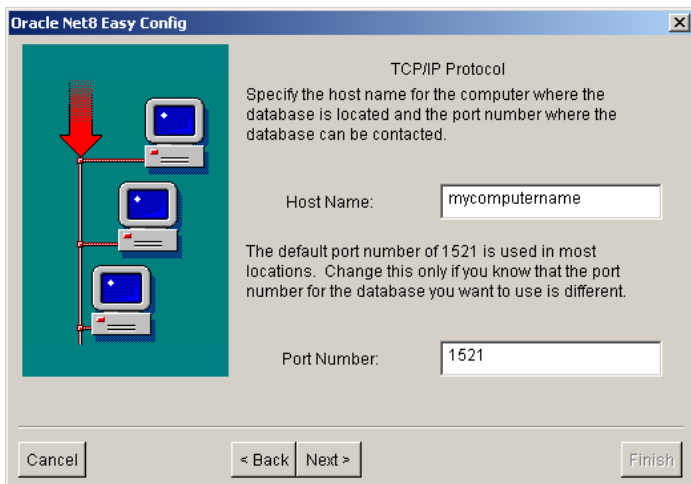


Fig.5 Setting up the TNS Listener

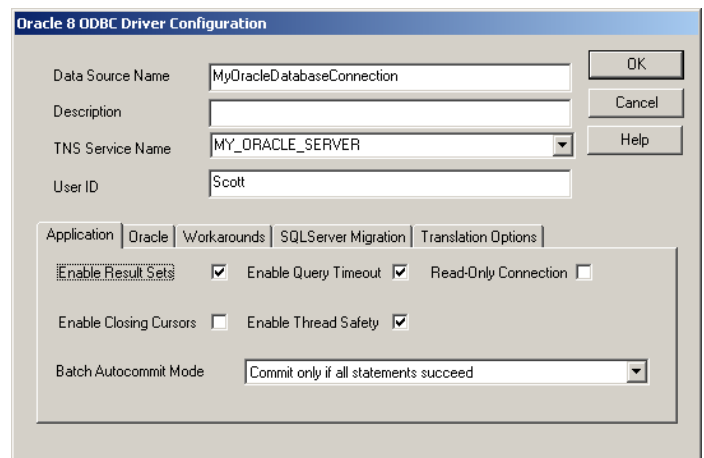


Fig.7 ODBC Settings

Alarm Logger Setup:

- Setup Alarm Logger (Client)
 - Edit the ODBC Data source in the Alarm Logger (located in the Configurations menu in the Database Connections section of the Database Logging tab).
 - Add a new machine data source with these settings:
 - System Data Source
 - Oracle ODBC Driver 8.0.5.10

Runtime

- Congratulations, you are now ready to start the logger and begin logging alarms to Oracle! Click the traffic light to start the Alarm Logger. A green light indicates a running logger. The logger can also be started as an NT/2000 service or by using the ICONICS system tray GenTray.