

Linking with the EDW

A MS SQL Server 2005 Workstation Installation

As of 09/10/07

It is possible to connect to the EDW as a **linked server** using Microsoft SQL Server 2005. For those who have MS SQL Server, it is then possible to use some of the resources found in MS SQL Server against the EDW.

Note: In order to link the Microsoft SQL Server and Oracle EDW database, you also must have been granted ODBC access to the Oracle EDW database.

To connect to EDW via a MS SQL Server 2005 workstation installation:

1. First, create ODBC connection to EDW. To create a System DSN to use as an ODBC data source, refer to the [Demonstrations & Tutorials](#) on the Decision Support Web site under Get Help > Self-Directed Training > Demos & Tutorials. The Tutorial is called **Creating an Oracle ODBC Data Source Connection**.
2. Next, create a Linked Server, where you will "Link" to the server from the enterprise manager. You will need to be an administrator of the SQL server box.
3. Expand the Server Objects folder and you will find Linked Servers.
4. Right-click on Linked Servers and choose New Linked Servers.
5. Enter a Linked Server name.
6. Choose radio button for Other Data Source.
7. For Provider Name choose Microsoft OLE DB Provider for ODBC Drivers.

Note: There have been limited reported instances when the Microsoft OLE DB Provider for ODBC Drivers has provided data discrepancy errors. If you experience this error the Microsoft OLE DB Provider for Oracle may also be used.

In order to use the Microsoft OLE DB Provider for Oracle, the Oracle client software must be installed on the Microsoft SQL Server computer. For installation instructions, refer to the [Demonstrations & Tutorials](#) on the Decision Support Web site under Get Help > Self-Directed Training > Demos & Tutorials. The Tutorial is called **Installing the Oracle 9i Client and ODBC Driver**.

8. For Data Source enter the DSN you created in Step #1. Leave Product Name, Provider String, Location, and Catalog blank.
9. Click on Security tab and choose radio button for "Be made using this security context" and enter your EDW username and password.



10. In Server Options tab please make the changes as Connection Timeout = 3660 and Query Timeout = 3600. (Note: The time by default will be in seconds)

11. Click OK.

12. To test the linked server, open Query Analyzer and run a query.

13. Format your query as follows; you MUST use all caps as indicated below:

Select * from <Linked Server Name>..<ORACLE SCHEMA NAME IN ALL CAPS>.<ORACLE
TABLE NAME IN ALL CAPS>

EXAMPLE: Select Year from TEST..**EDW.T_TIME_DIMENSION**
(required caps appear in **bold** in the example)