Linking an MS SQL Server 2000 With the EDW

As of 3/2/05

It is possible to connect to the EDW as a **linked server** using Microsoft SQL Server 2000. 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 MS SQL Server 2000:
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**.

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.

2. Expand the Security folder and you will find **Linked Servers**.

3. Right-click on **Linked Servers** and choose **New Linked Servers.**

4. Enter a Linked Server name.

5. Choose radio button for **Other Data Source.**

6. 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**.

7. For **Data Source** enter the DSN you created in Step #1. Leave **Product Name**, **Provider String**, **Location**, and **Catalog** blank.

8. Click on **Security tab** and choose radio button for **Be made using this security context** and enter your EDW username and password.

9. Click **OK**.

Open Query Analyzer and run the query.

For example: Select * From Openquery (*Name_of_link_server*, 'Select * From *Name_of_table/view* Where *search_condition*')

Note: Put 2 quotes around string criteria in **Where** clause.