

## Connecting to Oracle from SQL Server Express Edition 2008.

This method should work in the regular version of SQL Server as well as the express edition.

### Pre-Requisite:

You will need to install Oracle OLE DB provider on your SQL Server machine.

Install Oracle Database 10g Client Release 2

Install using the InstantClient option

Install Oracle 10g Release 2 ODAC (64-bit, 32-bit)

Select the Oracle Data Access Components option (not .NET!)

### Edit TNSNAMES.ora

Enter the database information in TNSNAMES.ORA

Make sure you are able to use **tnsping** (an oracle utility) to ping the server.

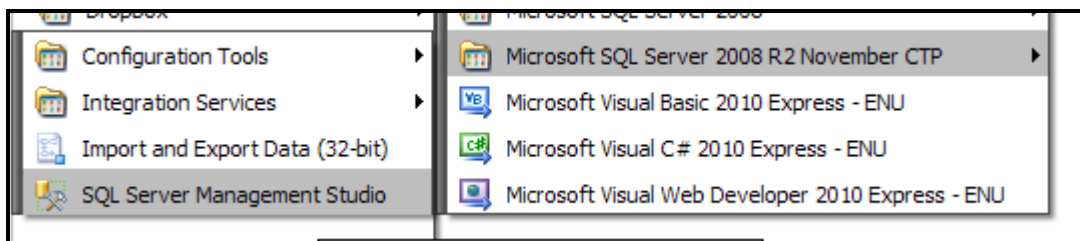
**tnsping <database server name>**

Used TNSNAMES adapter to resolve the alias

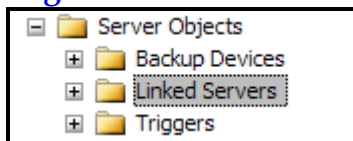
Attempting to contact (DESCRIPTION = (ADDRESS = (PROTOCOL = TCP)(HOST = myhost.com)(PORT = 1521)) (CONNECT\_DATA = (SID = myserver) (server = dedicated)))

OK (60 msec) --< If this doesn't return an OK, your installation has not been correct>

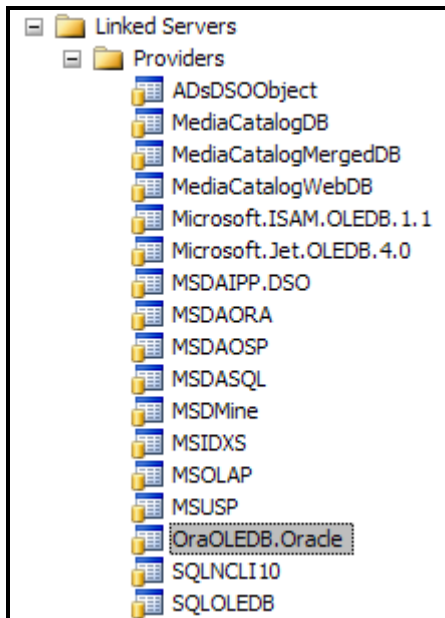
Once you have done this part, it's time to log on to SQL Server Management Studio.



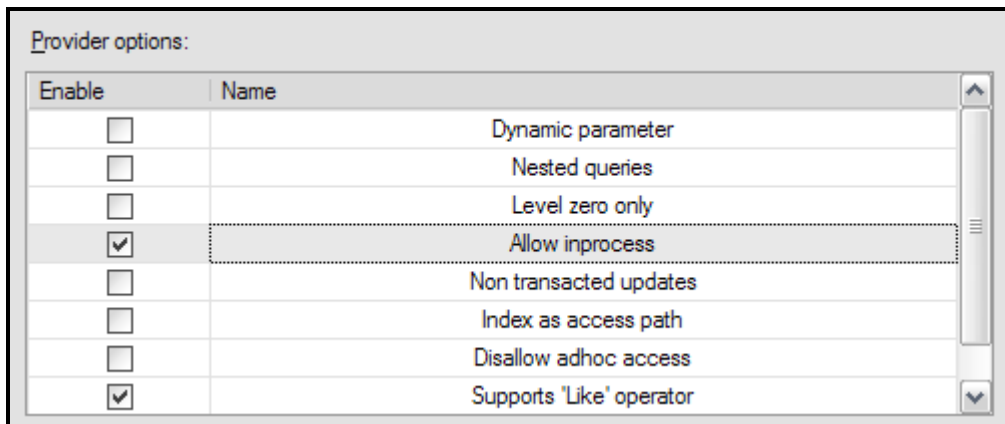
Logon to the server and then click the Linked Server Node.



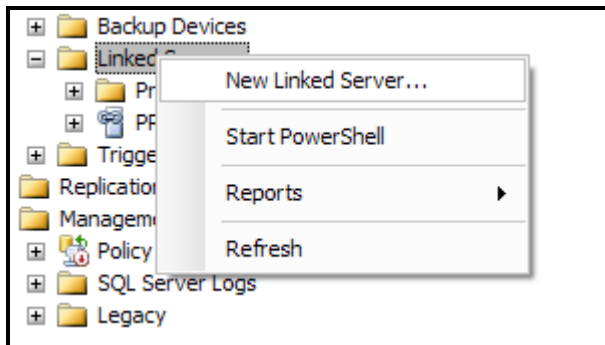
Click on the providers tab and select OracleOleDb.Oracle



Make sure that "Allow Inprocess" option has been enabled.



**Right click on Linked Server.**



**Add the following details in the general tab based on the information in your tnsnames.ora file.**

Linked Server: Any name you like. Eg: MyLinkedServer

Provider: Oracle Provider for OLE DB

Product Name: Oracle

Data Source: This should match the database server you defined in TNSNAMES.ora IN the file above I have used *myserver*

**Click on the Security Node.**

A screenshot of the 'Security' tab in the 'Linked Server Properties' dialog box. The text at the top says 'For a login not defined in the list above, connections will:'. There are four radio button options: 'Not be made', 'Be made without using a security context', 'Be made using the login's current security context', and 'Be made using this security context:'. The fourth option is selected. Below this, there are two text input fields: 'Remote login:' with the value 'ashrikha\_splus' and 'With password:' with a masked password '\*\*\*\*\*'.

Enter your userid and password for the Oracle DB.

**Original Idea:**

<http://www.ideaexcursion.com/2009/01/05/connecting-to-oracle-from-sql-server/>

To test your link you need to use the following syntax in the query analyzer.

```
SELECT *  
FROM [MYLINKEDSERVER] . . [SCHEMAOWNER] . [TABLENAME]
```