

Connecting to Oracle Database 11gR2 Server

1. Installing 11gR2 Client

Oracle Database 11g Release 2 Client (11.2.0.1.0) for Microsoft Windows (32-bit) can be downloaded from Oracle website or a local host site:

http://www.oracle.com/technology/software/products/database/oracle11g/112010_win32soft.html

<http://mercury.webster.edu/wang/oracle/>

To install Oracle database 11gR2 client, extract the zip file *win32_11gR2_client.zip* into a separate folder, and run *setup.exe* to launch Oracle Universal Installer.

If you have earlier version of Oracle client installed, such as Oracle 9i client, you can uninstall it before or after the Oracle Universal Installer is launched by clicking "Deinstall Products..." button.

Select Installation Type: Administrator.

2. Configuring Service Names

Click Start → Programs → Oracle-OraClient11g_home1 → Configuration and Migration Tools → Net Configuration Assistant → Local Net Service Naming configuration → Add.

- 1) Add with following parameters for CRONUS:

Service Name = *cronus*
Protocols = *TCP*
Host name = *icarus.webster.edu*
and *Use the standard port number of 1521*
Perform a test with *your login and password*
Net Service Name = *cronus*

3. Connecting to Oracle Servers:

- 1) Command line: Oracle SQL*Plus

Launch Oracle SQL Plus from Start → Programs → Oracle-OraClient11g_home1 → Application Development → SQL Plus, and

Enter user-name: *username@cronus*
Enter password: *password*

- 2) IDE: Oracle SQL Developer

Launch SQL Developer from Start → Programs → Oracle-OraClient11g_home1 → Application Development → SQL Developer.

For the first time use, browse to enter the full pathname for java.exe, which can be found from Oracle client installation directory, such as:

...\product\11.2.0\client_1\jdk\bin\java.exe.

Setup a connection in SQL Developer with following parameters:

Connection Name = {*a descriptive name*}
Username = {*your oracle username*}
Password = {*your oracle password*}
Role = *default*
Connection type = *TNS*
Network Alias = *cronus*

Optionally, a newer release of Oracle SQL Developer is available and can be downloaded from following sites:

<http://www.oracle.com/technology/software/products/sql/index.html>.

<http://mercury.webster.edu/wang/oracle/>

To install the new release, download and unzip *sqldeveloper-3.2.20.09.87.zip* to replace entire folder under Oracle client installation directory, such as:

...\product\11.2.0\client_1\sqldeveloper\

SQL Developer release documentation can be found at:

http://docs.oracle.com/cd/E35137_01/index.htm

4. Installing Oracle Data Access Component:

You will have to download and install Oracle Data Access Components (ODAC) with Oracle Developer Tools for Visual Studio, which is available from following sites:

<http://www.oracle.com/technetwork/database/windows/downloads/index-101290.html>

<http://mercury.webster.edu/wang/oracle/>

5. Setting environment variable TNS_ADMIN:

To set the environment variable TNS_ADMIN: Control Panel → System → Advanced → Environment Variable. Add a new System Variable with:

Variable name: TNS_ADMIN

Variable value: C:\app\{username}\product\11.2.0\client_1\network\admin