## 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\_win32s oft.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  $\rightarrow$  All Programs  $\rightarrow$  Oracle-OraClient11g\_home1  $\rightarrow$  Configuration and Migration Tools  $\rightarrow$ Net Configuration Assistant  $\rightarrow$  Local Net Service Naming configuration  $\rightarrow$  Add.

1) Add with following parameters for TERMINUS:

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

2) 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  $\rightarrow$  All Programs  $\rightarrow$  Oracle-OraClient11g\_home1  $\rightarrow$  Application Development  $\rightarrow$  SQL Plus, and

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

2) IDE: Oracle SQL Developer

Launch SQL Developer from Start  $\rightarrow$  All Programs  $\rightarrow$  Oracle-OraClient11g\_home1  $\rightarrow$  Application Development  $\rightarrow$  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:

 $\dots$ product11.2.0client\_1jdkbinjava.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 = terminus or 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-2.1.1.64.45-no-jre.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://download.oracle.com/docs/cd/E15846\_01/index.htm

3) Browser based: Oracle Application Express (APEX)

The APEX addresses for TERMINUS and CRONUS servers are:

http://daedalus.webster.edu:8080/apex, and http://icarus.webster.edu:8080/apex Enter APEX workspace with following parameters:

Workspace = {workspace name created by administrator} Username = {username for the workspace} Password = {password for the workspace}

Oracle Application Express documentation and tutorials can be found and PDF files can be downloaded from here:

http://download.oracle.com/docs/cd/E14373\_01/index.htm

# Oracle Database 11gR2 Server Admin

## 1. Access Oracle Enterprise Manager

https://daedalus.webster.edu:1158/em

https://icarus.webster.edu:1158/em

Note: if you receive "There is a problem with this website's security certificate" warning when you launch above sites, ignore it. Click "Continue to this website". Although it is not recommended by Microsoft, it is instructed by Webster Networking Group.

Enter user name, password, and connect as shown:

* User Name	jpw_system	
* Password	•••••	
Connect As	Normal 💌	
		Login

After you logged in, click Server tab and them Users or Roles to manage user accounts and roles. You can do much more as a DBA.

# 2. Use Oracle SQL Developer to Perform Admin Tasks

Some of the admin tasks can be performed easily inside Oracle SQL Developer IDE. Launch Oracle SQL Developer, you can create a new connection with your DBA account as shown below:

Co <u>n</u> nection Name	terminus75_jpw_sysmte		
<u>U</u> sername	jpw_system		
<u>P</u> assword	****		
🔲 Sa <u>v</u> e Password			
Oracle Access			
Role	lefault 💌	OS Authentication	
Connection Type	NS 💌	Kerberos Authentication	
		Proxy Connection	
Network Alias	TERMINUS75	<b></b>	
C Connect <u>I</u> dent	ifier		

Upon connected, you can view database objects owned by the DBA account.

Moreover, as a DBA, you can view and manage objects owned by other schemas by expanding Other Users node, as shown below:



# **Oracle Application Express (APEX) Administration**

# 1. Access Oracle APEX Administration Page

http://daedalus.webster.edu:8080/apex/apex\_admin

http://icarus.webster.edu:8080/apex/apex\_admin

Enter user name (your APEX Administrator user name) and password as shown below:

Application Express Administration Services			
Username	jpw_admin		
Password	•••••	Login	

Notice, there is no workspace name required on this administrator login page, since it logs you into a default administration workspace called "INTERNAL".

After you logged in, click Manage Workspaces to perform tasks such as create a new workspace or manage existing workspaces.