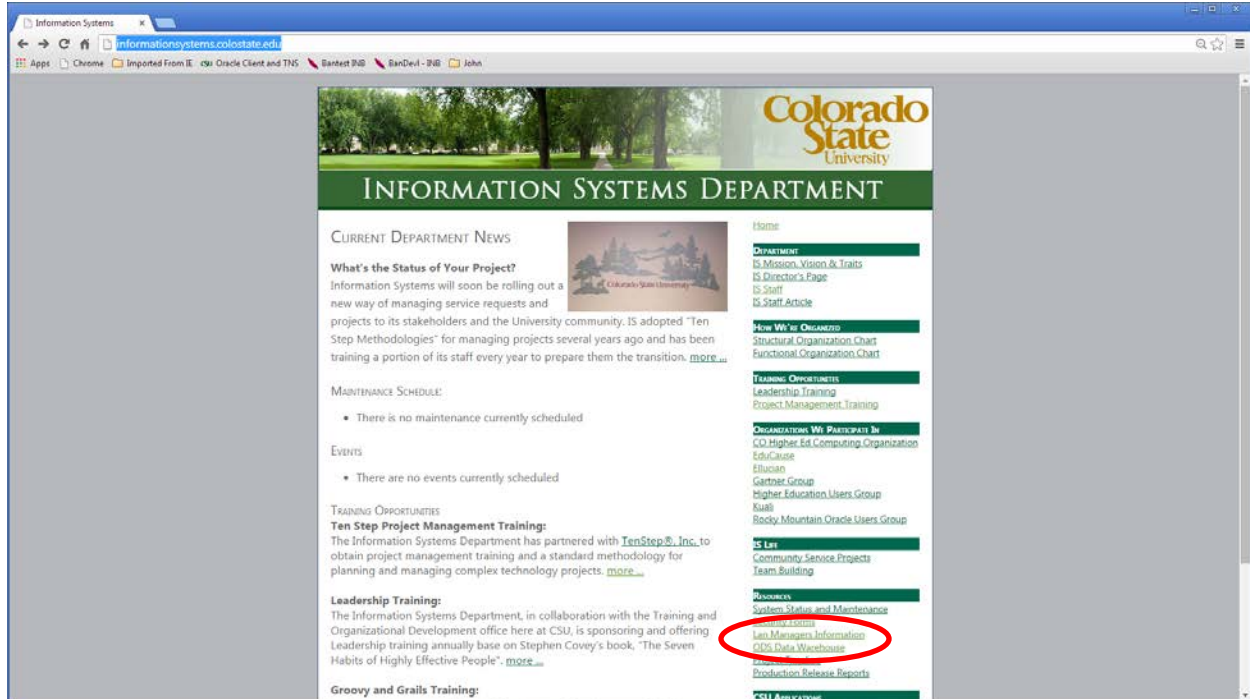


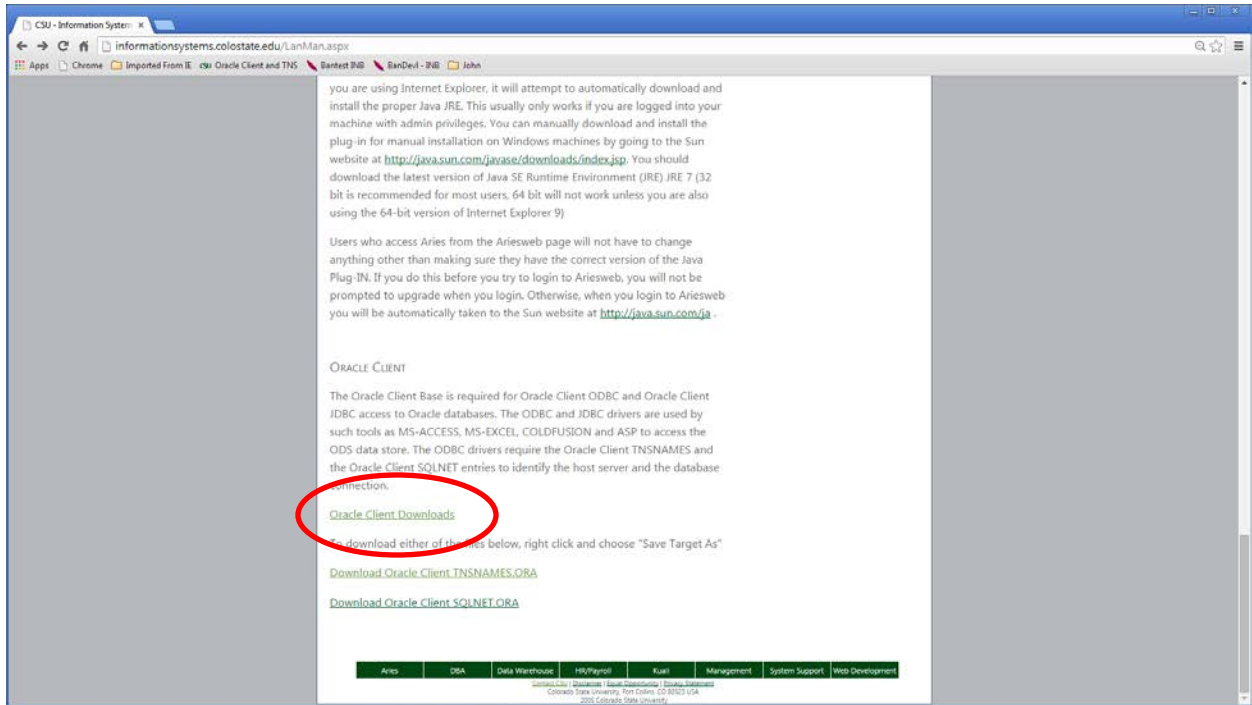
Setting up an ODBC connection to access Oracle from Excel or Access

To Access the ODS Data Warehouse with Microsoft Access or Excel, you will want to download, install and configure ODBC. You will need to have administrative rights to install this driver on your pc. If you do not have administrative privileges, then one of the departmental tech support personnel with these rights will need to perform this task.

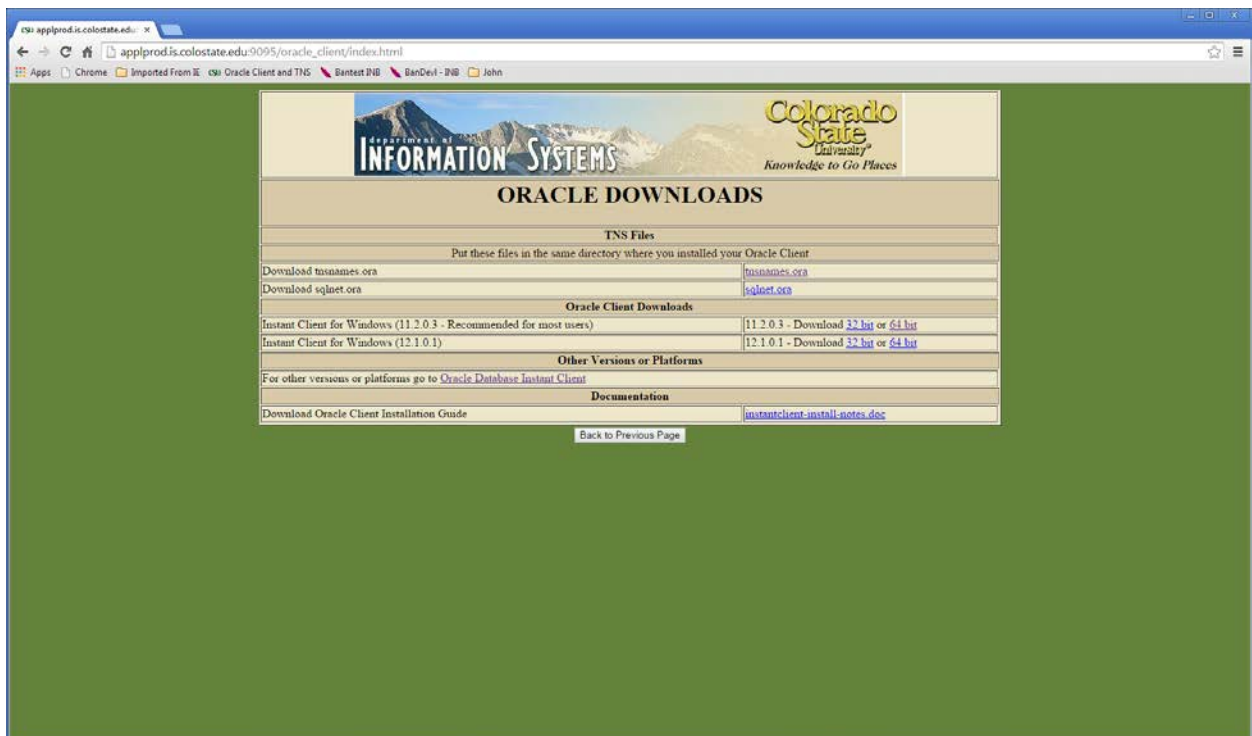
From the IS Web page (<http://informationsystems.colostate.edu/>) click the Lan Managers Information link.



Scroll to the bottom of the Lan Managers web page, and click the Oracle Client Downloads link. Note: You can download the ODBC client from the Oracle web site directly, but you will need to register (free) and login at <http://www.oracle.com/technetwork/topics/winx64soft-089540.html>.



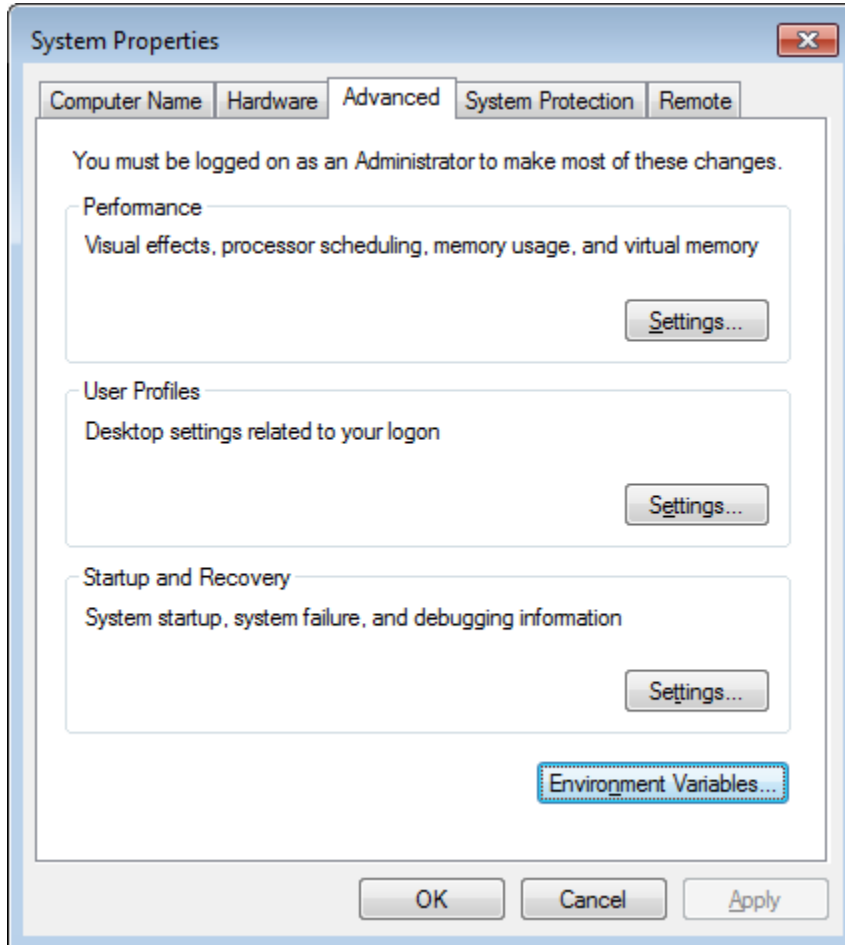
This takes you to the Information Systems Oracle download center. You will need the tnsnames.ora and sqlnet.ora file and also the Instant Client version for your computer (I used 11.2.0.3 for Windows 64 bit).



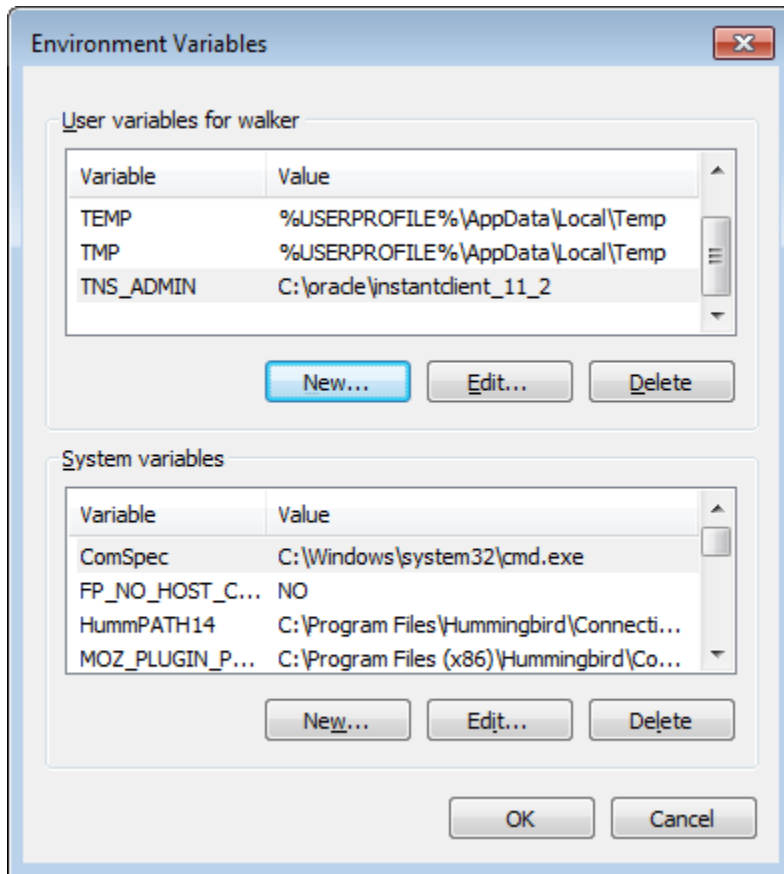
Download both the Instant Client Base and also Instant Client ODBC zip files into c:\oracle\instantclient_11_2. Also, download the tnsnames.ora and sqlnet.ora files to this directory. NOTE: clicking on tnsnames.ora and sqlnet.ora merely opens a browser page with the content displayed.

You need to copy the content from the web page and manually create a text file called tsnames.ora and paste the content into it.

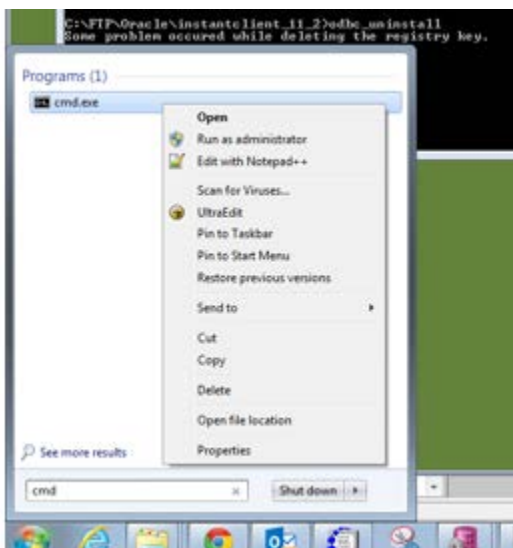
Start → Right click on Computer → Select Properties. Select Advanced system settings and Click Environment Variables.



Create a new variable (either system or user) for TNS_ADMIN and enter the location of the tsnames.ora file

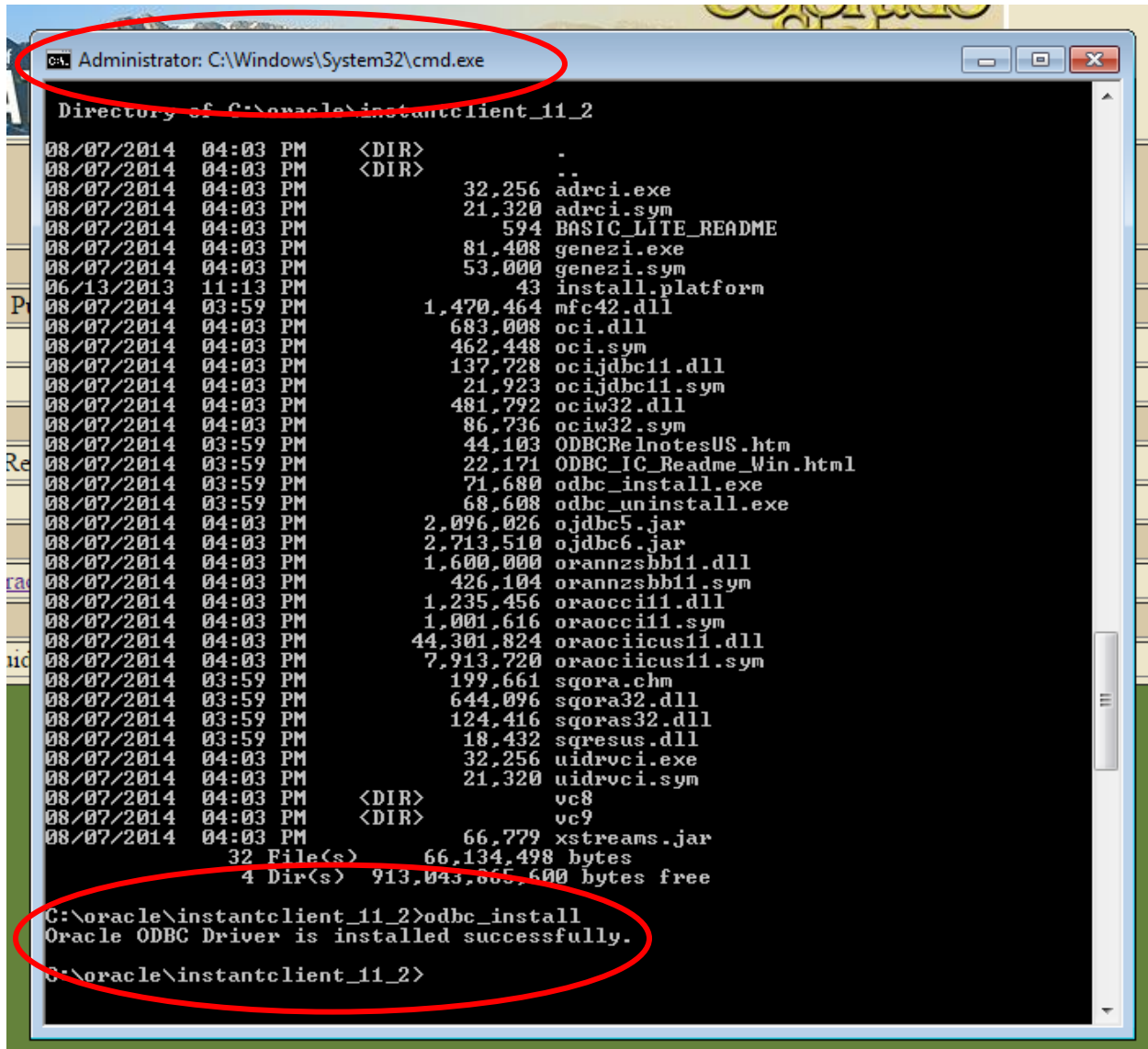


In the bottom left Start icon, left click and enter cmd in white box that says Search Programs and Files. Right click on cmd.exe icon.



Select Run as administrator (you must have administrative rights to the computer that you are installing ODBC). You will be prompted to login with a username that has administrative rights.

In the black command line window, run the `odbc_install`, and check for the successful install message.

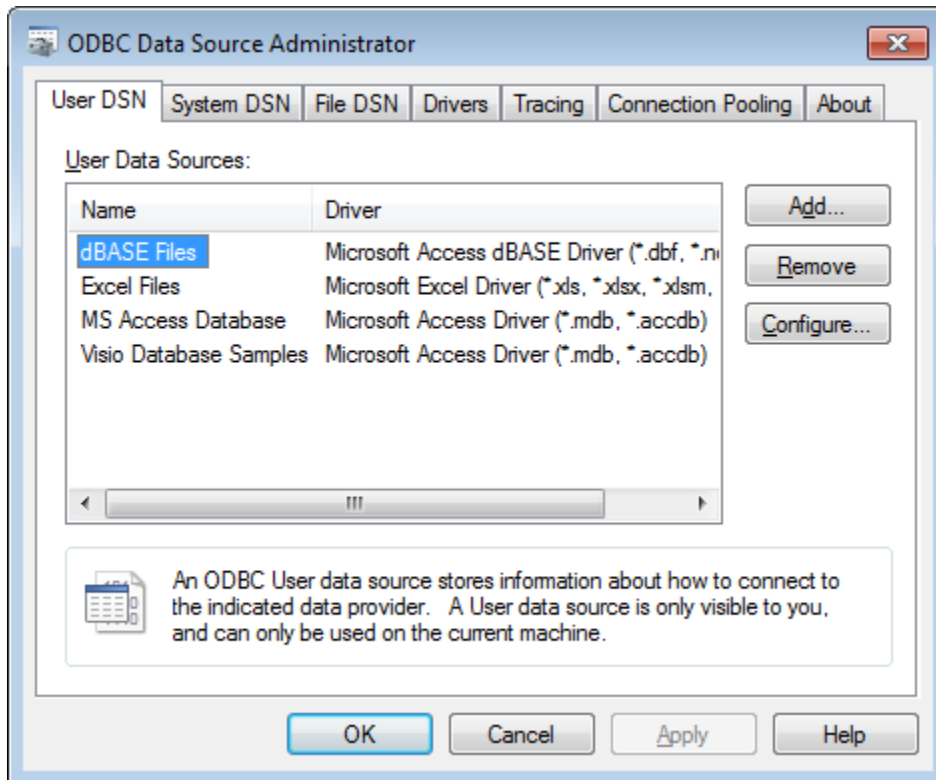


```
Administrator: C:\Windows\System32\cmd.exe
Directory of C:\oracle\instantclient_11_2
08/07/2014 04:03 PM <DIR>          .
08/07/2014 04:03 PM <DIR>          ..
08/07/2014 04:03 PM             32,256 adrci.exe
08/07/2014 04:03 PM             21,320 adrci.sym
08/07/2014 04:03 PM              594 BASIC_LITE_README
08/07/2014 04:03 PM             81,408 genezi.exe
08/07/2014 04:03 PM             53,000 genezi.sym
06/13/2013 11:13 PM              43 install.platform
08/07/2014 03:59 PM          1,470,464 mfc42.dll
08/07/2014 04:03 PM          683,008 oci.dll
08/07/2014 04:03 PM          462,448 oci.sym
08/07/2014 04:03 PM          137,728 ocijdbc11.dll
08/07/2014 04:03 PM           21,923 ocijdbc11.sym
08/07/2014 04:03 PM          481,792 ociw32.dll
08/07/2014 04:03 PM           86,736 ociw32.sym
08/07/2014 03:59 PM           44,103 ODBCReInotesUS.htm
08/07/2014 03:59 PM           22,171 ODBC_IC_Readme_Win.html
08/07/2014 03:59 PM           71,600 odbc_install.exe
08/07/2014 03:59 PM           68,608 odbc_uninstall.exe
08/07/2014 04:03 PM          2,096,026 ojdbc5.jar
08/07/2014 04:03 PM          2,713,510 ojdbc6.jar
08/07/2014 04:03 PM          1,600,000 orannzsb11.dll
08/07/2014 04:03 PM           426,104 orannzsb11.sym
08/07/2014 04:03 PM          1,235,456 oraocci11.dll
08/07/2014 04:03 PM          1,001,616 oraocci11.sym
08/07/2014 04:03 PM         44,301,824 oraociicus11.dll
08/07/2014 04:03 PM          7,913,720 oraociicus11.sym
08/07/2014 03:59 PM           199,661 sqora.chm
08/07/2014 03:59 PM           644,096 sqora32.dll
08/07/2014 03:59 PM           124,416 sqoras32.dll
08/07/2014 03:59 PM            18,432 sqresus.dll
08/07/2014 04:03 PM            32,256 uidrvoci.exe
08/07/2014 04:03 PM            21,320 uidrvoci.sym
08/07/2014 04:03 PM <DIR>          vc8
08/07/2014 04:03 PM <DIR>          vc9
08/07/2014 04:03 PM           66,779 xstreams.jar
32 File(s)          66,134,498 bytes
4 Dir(s)          913,043,865,600 bytes free

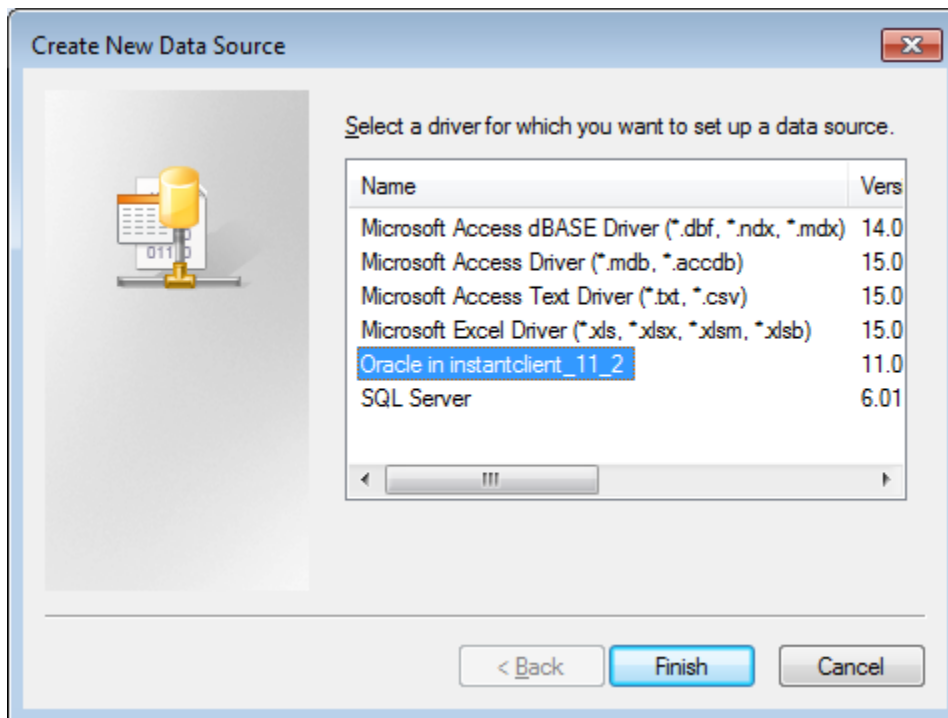
C:\oracle\instantclient_11_2>odbc_install
Oracle ODBC Driver is installed successfully.

C:\oracle\instantclient_11_2>
```

Open Control Panel → System and Security → Administrative Tools. Double Click Data Sources (ODBC)



Click the Add button to add an Oracle data source.



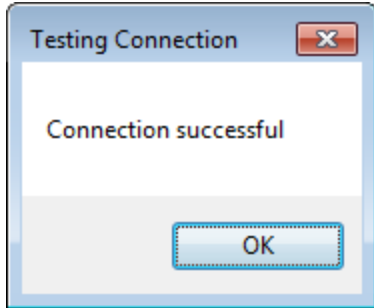
Click the Finish button to enter the Configuration details.

The screenshot shows the 'Oracle ODBC Driver Configuration' dialog box. It has four main input fields: 'Data Source Name' (ODSPROD), 'Description' (Production ODS), 'TNS Service Name' (odsprod.world), and 'User ID' (walker). On the right side, there are four buttons: 'OK', 'Cancel', 'Help', and 'Test Connection'. Below these fields is a tabbed interface with three tabs: 'Application', 'Oracle', and 'SQLServer Migration'. The 'Application' tab is selected and contains several options: 'Enable Result Sets' (checked), 'Enable Query Timeout' (checked), 'Read-Only Connection' (unchecked), 'Enable Closing Cursors' (unchecked), and 'Enable Thread Safety' (checked). There are also two dropdown menus: 'Batch Autocommit Mode' (set to 'Commit only if all statements succeed') and 'Numeric Settings' (set to 'Use Oracle NLS settings').

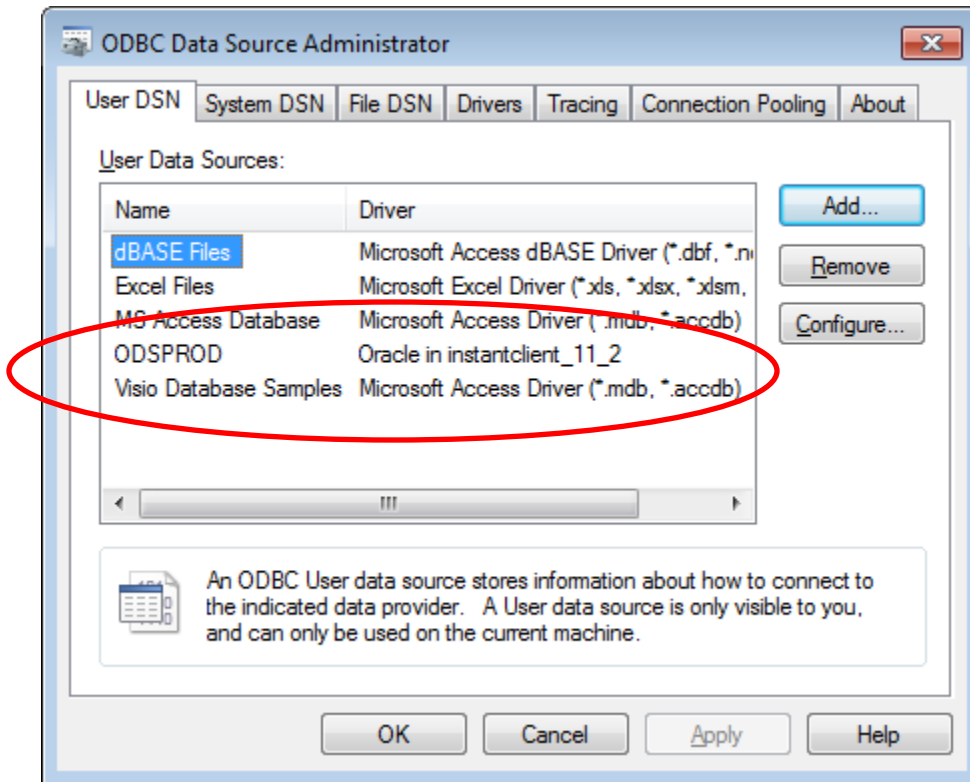
NOTE: If you do not have tnsnames.ora in the correct location, then the TNS Service Name drop down will not show the DB connection names and you need to select ODSPROD.World. Please go back and follow directions on downloading the tnsnames.ora file.

Click Test Connection and login with your username

The screenshot shows the 'Oracle ODBC Driver Connect' dialog box. It has three input fields: 'Service Name' (odsprod.world), 'User Name' (walker), and 'Password' (empty). On the right side, there are three buttons: 'OK', 'Cancel', and 'About...'. The dialog box has a standard Windows window title bar with a close button (X).



The final goal is to have a completed Data Source connection for ODSPROD.



NOTE: You may also want to create a Data Source connection for ODSTEST and will need to select odstest.world in the TNS Service name drop down.