

How to setup SQL Developer and Connect to a Database

- 1) Go to: <http://www.oracle.com/technetwork/developer-tools/sql-developer/downloads/index.html> and download the appropriate version of SQL Developer 3.0 for your computer. You will be asked to accept the license agreement first (top of page)!
 - a. If you use a 32-bit Windows XP machine, it is highly recommended to download the first choice, “Windows 64-bit with JDK 8 included.” (Note the JDK version may be higher than that in this instruction.)
 - b. If you use any other version, you will need to install the latest version of the Java Development Kit (JDK) for that version. For example, “Windows 32-bit/64-bit” does NOT have the necessary version of JDK for running SQL Developer. Note: in the instructions for downloading other versions, follow these instructions *precisely*:
 - i. To install and run:
 - Ensure you have a JDK installed, if not, download [here](#) (or get details from your hardware vendor)
 - Download the file above
 - Extract sqldeveloper.zip into any folder, using folder names
 - Within that folder, open the sqldeveloper folder
 - Double-click sqldeveloper.exe
 - ii. Not the word “here” in the first step. YOU MUST INSTALL JAVA BEFORE ATTEMPTING TO INSTALL SQLDEVELOPER!!
- 2) You will be asked for your Oracle ID and password. Note that it is **not** the user ID and password assigned to you by your instructor in this class. You need to sign-up for a new user ID and password for the Oracle web site if you do not have signed up one. On the screens requiring your personal information, you MUST use an .edu domain email address when asked. This will get you free copies of Oracle products. Also, make sure you uncheck any newsletter checkboxes if you do not want to receive Oracle junk email.
- 3) Regardless of the version of SQLDeveloper you’ve installed, the first time you attempt to start it, you will receive the dialog box in figure 1 below. You need to use the Browse button to find the ...\\JDK`versionNumber`\\bin\\java.exe file.

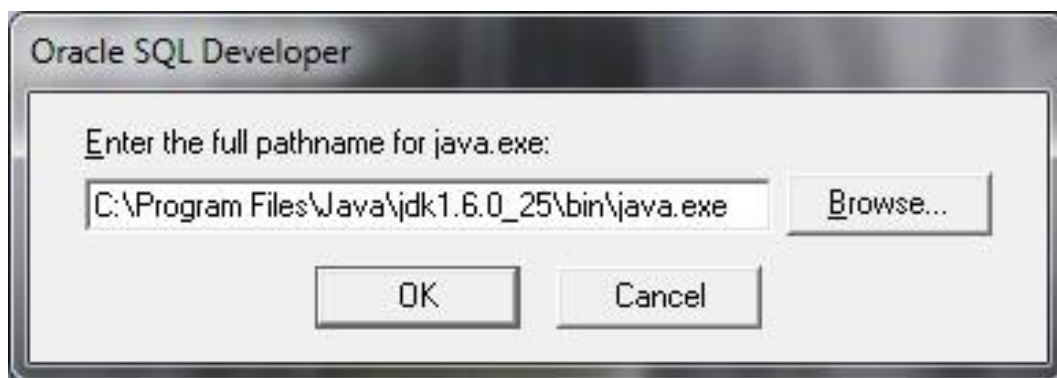


Figure 1 - Locating the latest JDK - Java.exe file

- 4) Also, as part of the first time you run SQL Developer, you’ll see the series of checkboxes shown in figure 2 below. Check off the first choice, “SQL Source (.sql)” and click OK.

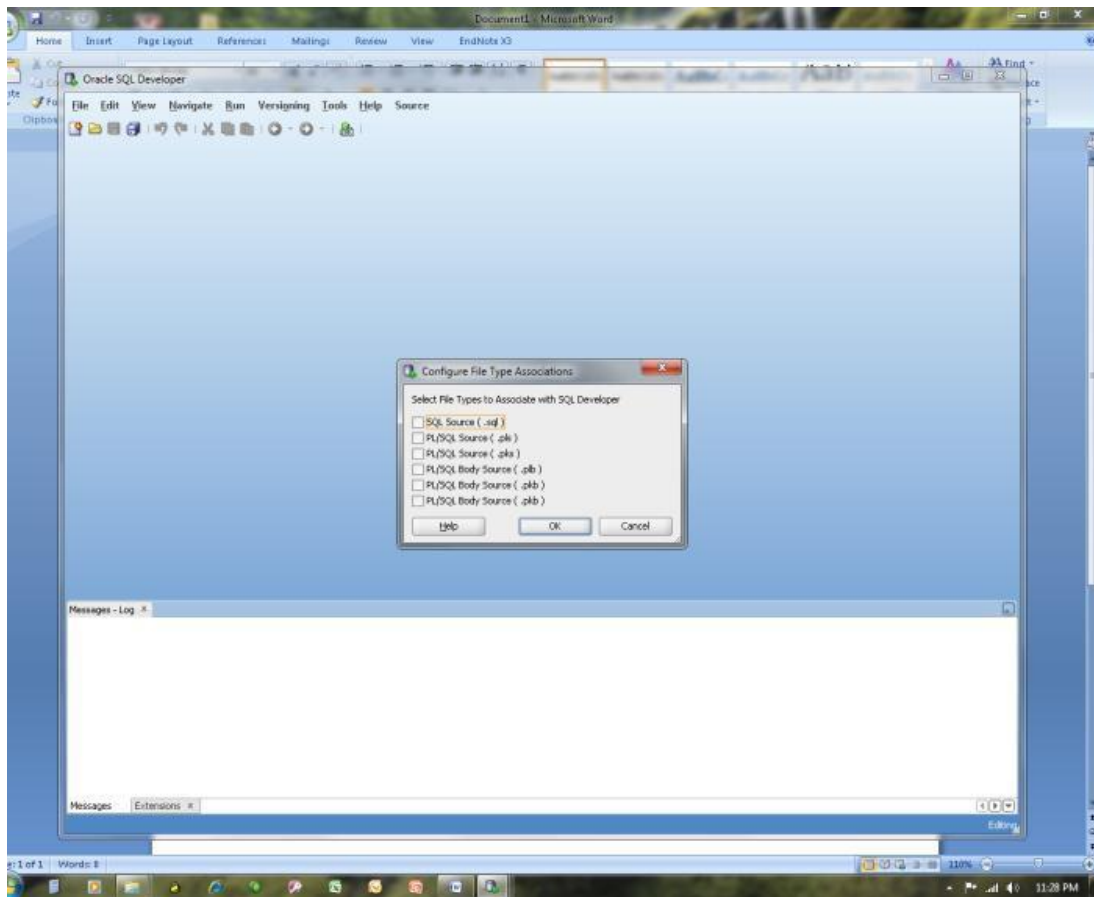


Figure 2 - Choose the SQL Source selection

- 5) Close SQL Developer and restart your computer. Before attempting to connect to a database, you MUST start a VPN connection first if you work off campus. If you don't have this software, GSU students may download it and install it from <http://technology.gsu.edu/technology-services/it-services/software-computer-purchase/software-download-and-purchase/>. (see figure 3 for starting the VPN connection). Note that you can start SQL Developer, but will not be able to connect to a database unless the VPN is started first.

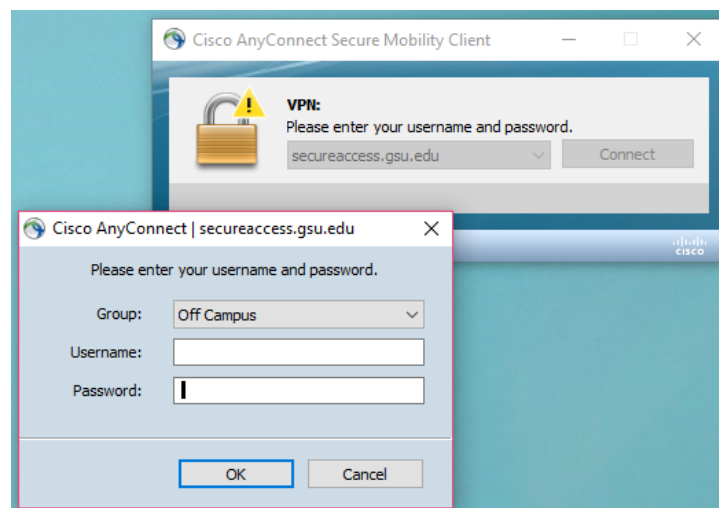


Figure 3 - Starting a VPN connection

- 6) If you have not already done so, start Oracle SQL Developer. There will NOT be an entry in your start menu. You must go to the directory in which you chose to unzip the program files and click on SQLDeveloper.exe. Be careful, there will be a sub-directory called SQL Developer under the location of the .exe file. You do NOT want to use this sub-directory.
- 7) Once started, there should be a “Connections” icon as shown in figure 4 below. Right click on this icon can choose “New Connection.”

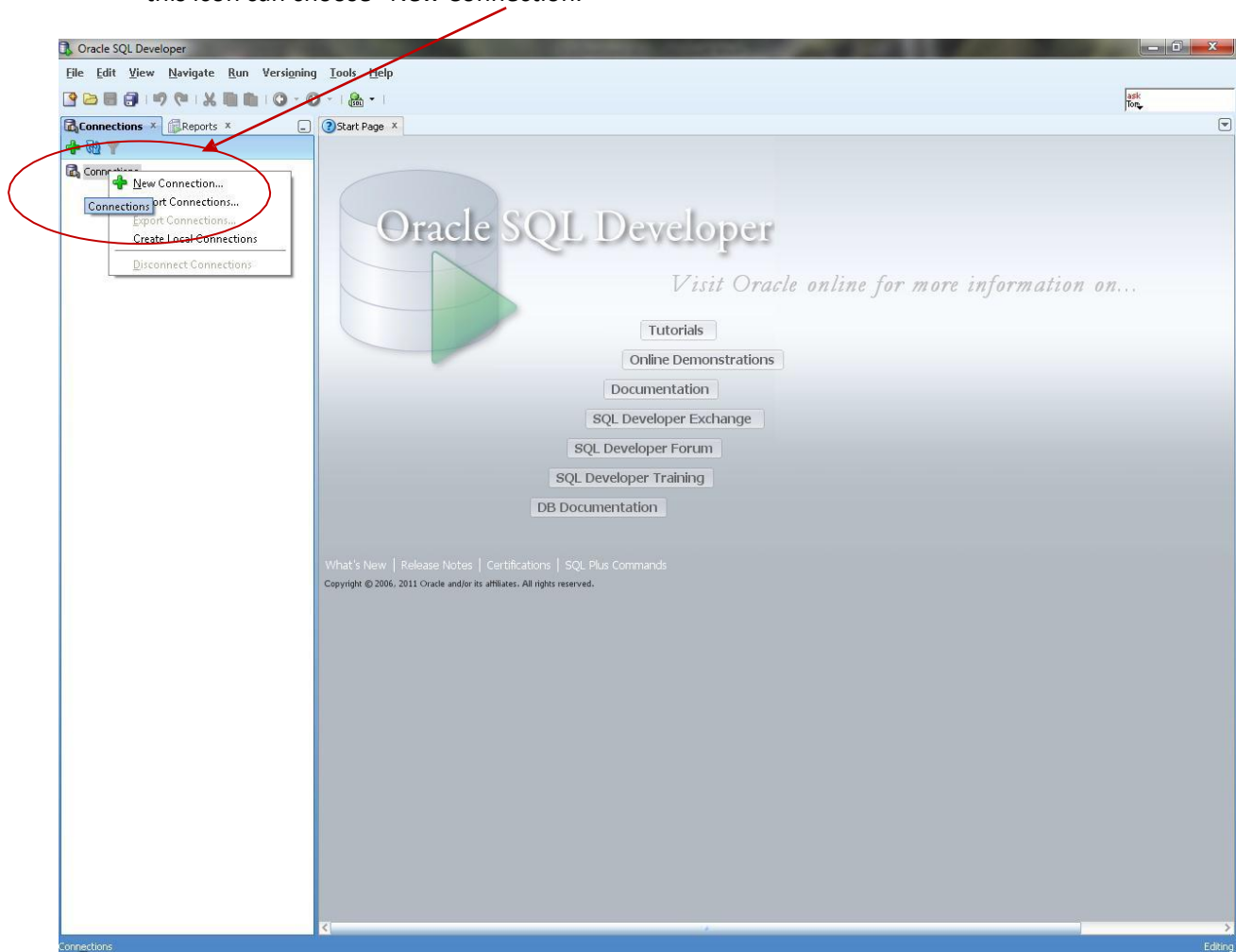


Figure 4 - Creating a new connection

- 8) Fill out the screen below for each new connection you make. For example, in figure 5 below, a connection with the name “MyOracle” was created to link to the sample account (user ID c##foo). The connection name “MyOracle” is arbitrary. You could call it “MyGSU” or any other name which makes sense to you. The *Username* is usually composed of “c##”, the first letter of your first name, full last name and class CRN. (no quotes, not case sensitive). Your instructor should assign you the password for your user account.

The *Hostname* for any account setup will always be “10.252.14.53” The *Port* will always be “1521” and the *SID* needs to be set to “orcl1” (no quotes) as shown in Figure 5.

New / Select Database Connection

Connection Name	Connection Details
Connection Name	Orade
Username	c##foo
Password	*****
<input checked="" type="checkbox"/> Save Password	<input type="checkbox"/> Connection Color
Oracle	
Connection Type	Basic
Role	default
Hostname	10.252.14.53
Port	1521
<input checked="" type="radio"/> SID	ord1
<input type="radio"/> Service name	
<input type="checkbox"/> OS Authentication	<input type="checkbox"/> Kerberos Authentication
Advanced...	
Status :	

Help Save Clear Test Connect Cancel

Figure 5 - Creating a new connection

- 9) Click on the “Test” button. If you have successfully connected to the database (remember, **YOU MUST HAVE A VPN CONNECTION STARTED FIRST**), you will see the “Success” message just above the Help button (see figure 6).

New / Select Database Connection

Connection Name	Connection Details
Connection Name	Orade
Username	c##foo
Password	*****
<input checked="" type="checkbox"/> Save Password	<input type="checkbox"/> Connection Color
Oracle	
Connection Type	Basic
Role	default
Hostname	10.252.14.53
Port	1521
<input checked="" type="radio"/> SID	ord1
<input type="radio"/> Service name	
<input type="checkbox"/> OS Authentication	<input type="checkbox"/> Kerberos Authentication
Advanced...	
Status : Success	

Help Save Clear Test Connect Cancel

Figure 6 - A Successful Connection Setup

- 10) Check *Save Password* box to remember your password. Click “Save” and then click “Connect” (figure 7)

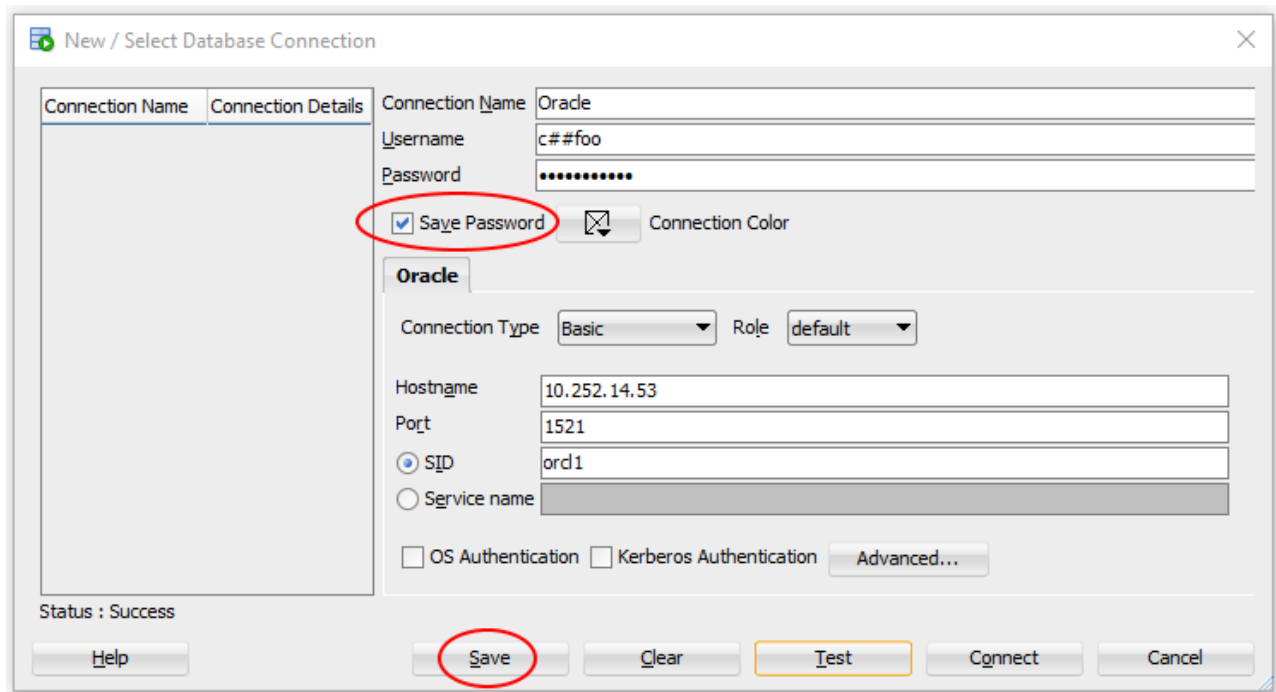


Figure 7 - A completed connection wizard

- 11) Congratulations, you're done. If you are on your home computer, you will now have a connection listed with whatever Connection Name you provided in step 8 above. To connect to any of the connections created, simply right click on it and choose "Connect."

