Chapter Eleven

Development Tools

Toad

Buttons and Menus

In SQL Style Window and Schema Browser Window

Editor (new SQL style window)
From menu, select Database, Editor

Schema Browser
From menu, select Database, Schema Browser

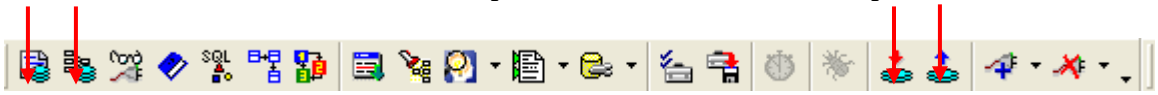
Commit database change
From menu, select Session, Commit

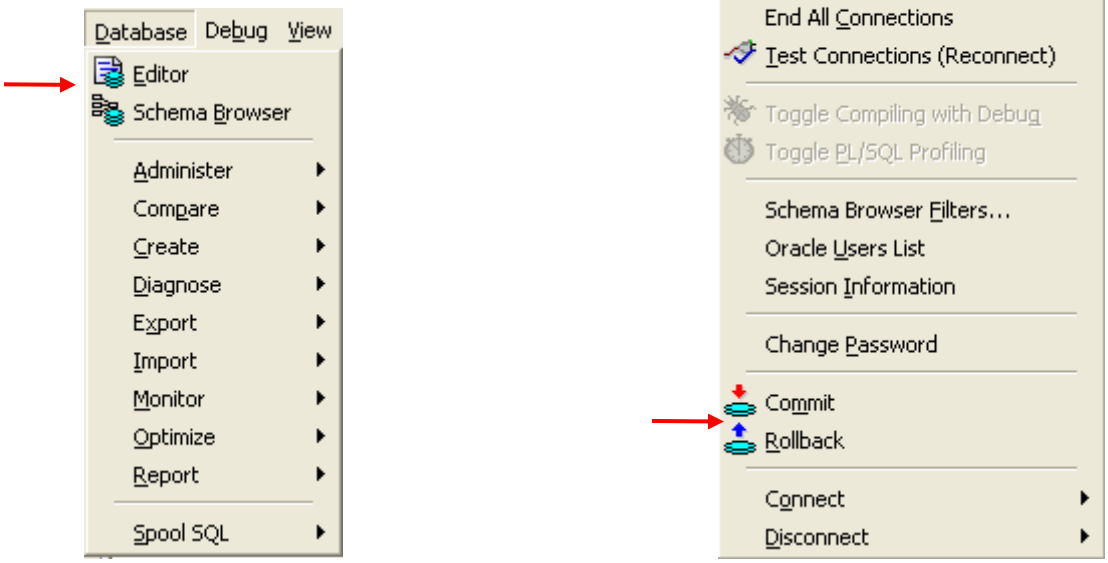
Rollback database change
From menu, select Session, Rollback

New Connection (provides dropdown of choices)
From menu, select Session, New Connection

End Connection (provides dropdown of current connections)
From menu, select Session, End Connection

Save Desktop
You can save different configurations of the desktop. In addition, you can 'Revert to Last Saved Desktop' or 'Restore Default Desktop'.





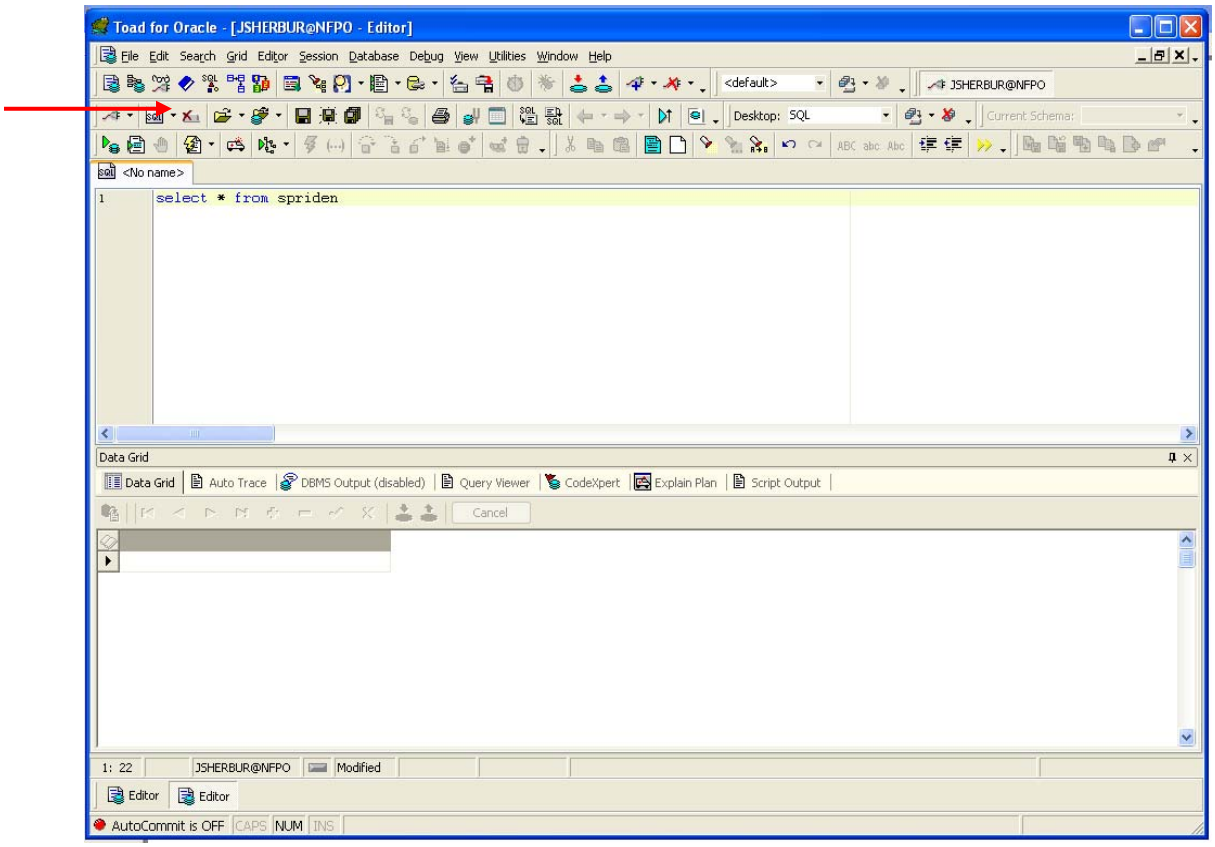
In SQL Style Window

Execute Statement
If your SQL window only has one statement in it, then you can use this button. If you have more than one statement then you can highlight the SQL statement and use this button. If you separate each statement with a semicolon then this button will execute the statement where the cursor is located.

Execute snippet at cursor (Ctrl + Enter)
If your SQL window has multiple statements, then you can place your cursor somewhere in one of the statement and use this button to execute just that SQL statement. There is no need to highlight the statement.

Execute as Script (Execute in QSR, Execute in SQL*Plus)
You can use this button to execute an SQL as a script. For example, you may have an anonymous block that you need to execute.

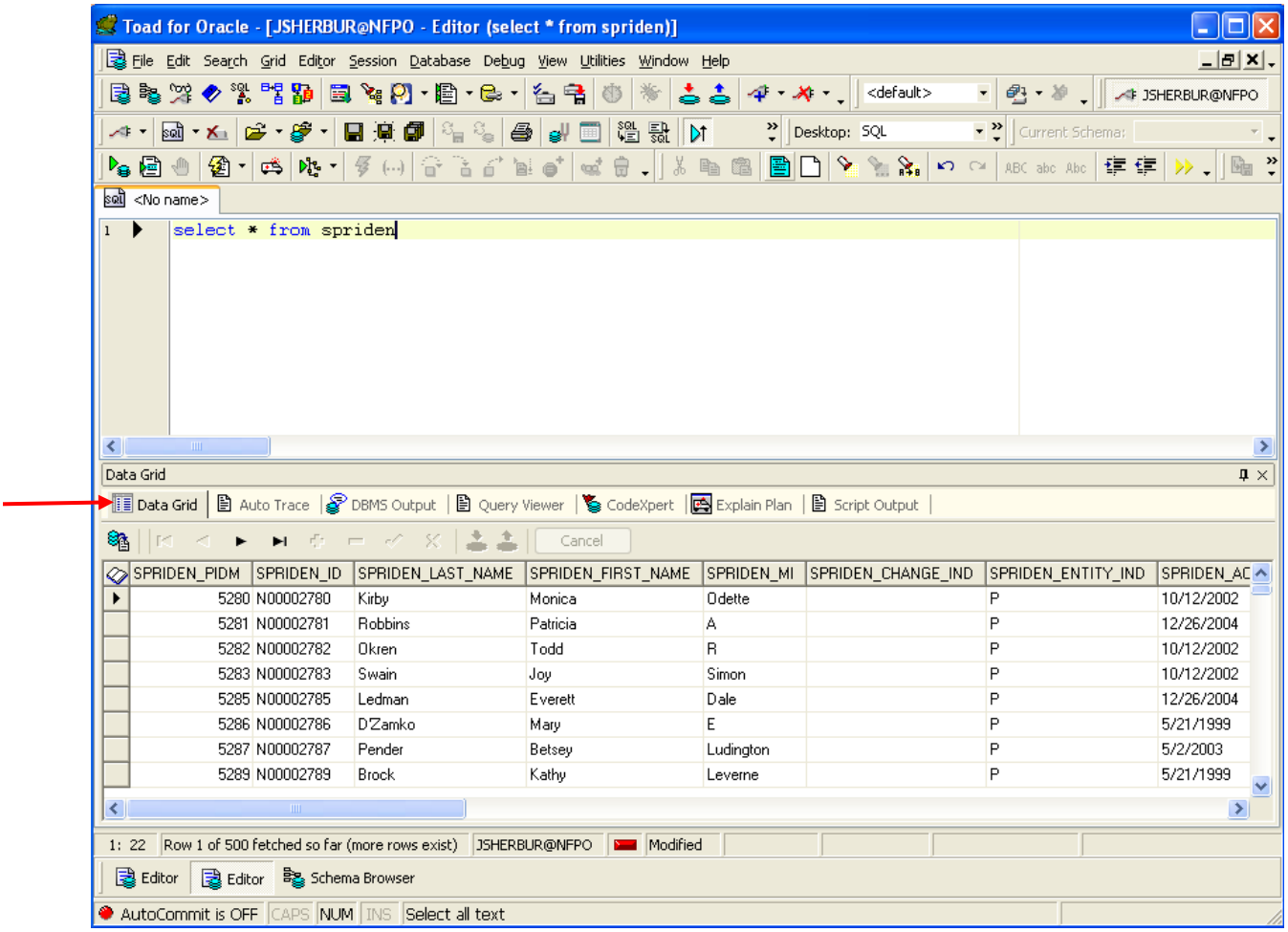
Recall previously used SQL statement
This button will bring up a window that shows previously executed SQL statements. You can then sort and search for particular ones.



Parts of the SQL Window

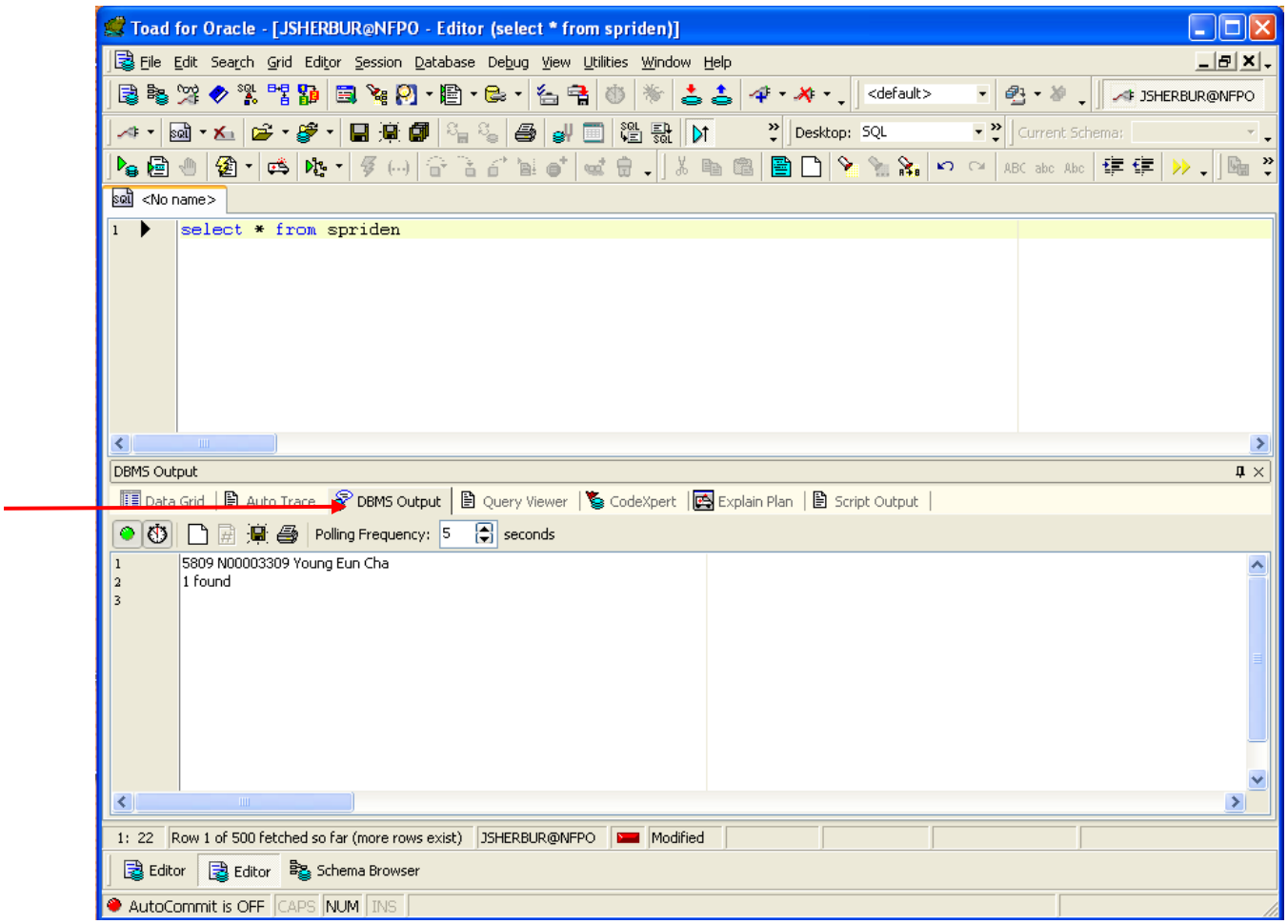
Data Grid

The Data Grid displays the results of the query.

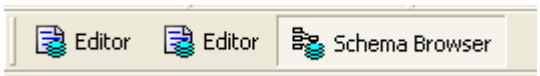


DBMS Output

The DBMS Output show output from DBMS statements procedures, functions or anonymous blocks.

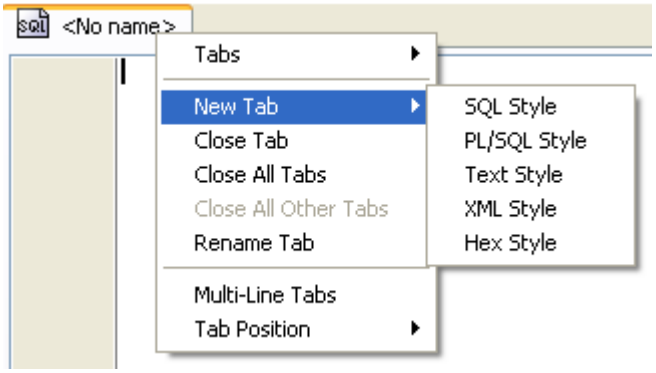


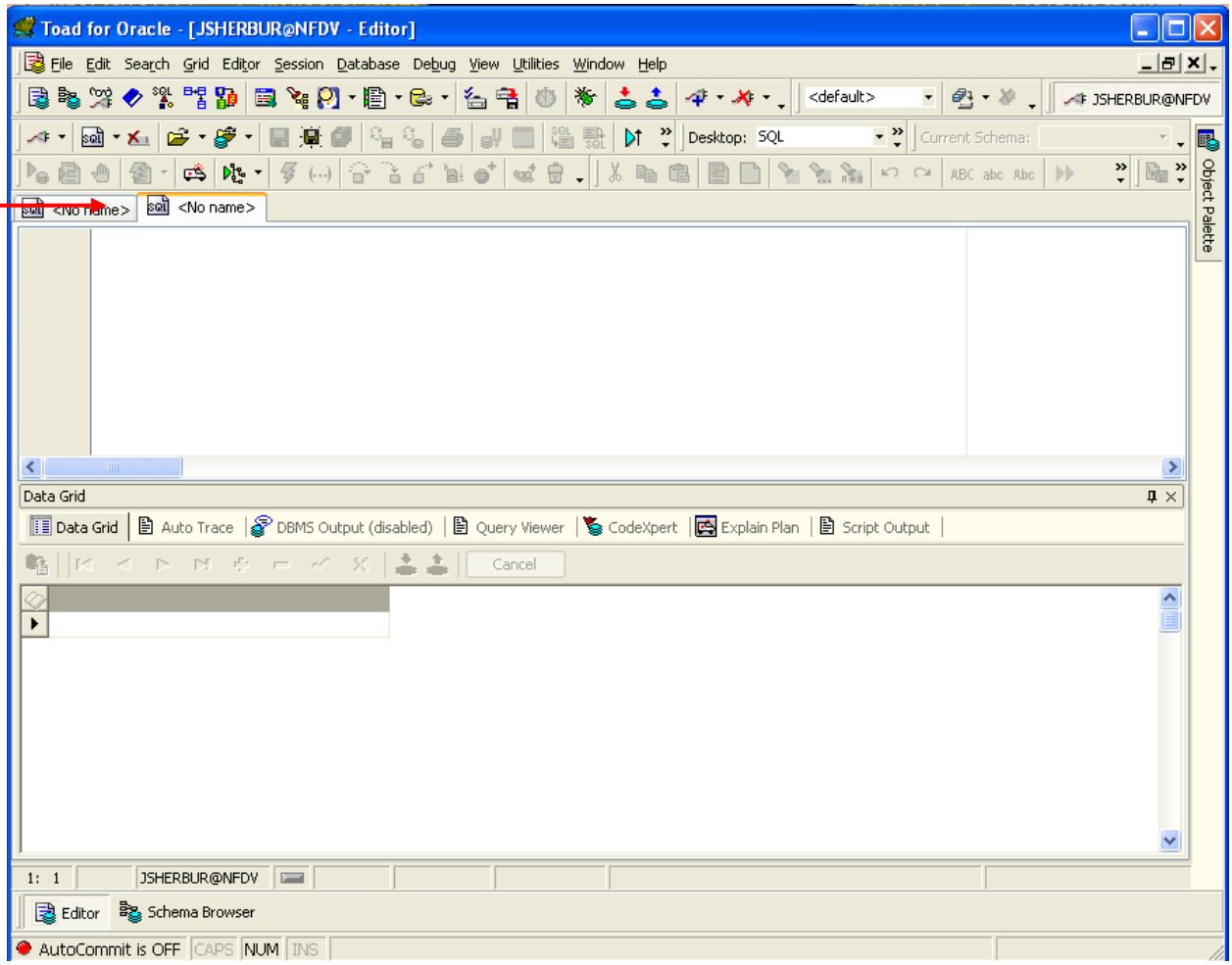
You can have multiple windows open during a session. These windows are displayed at the bottom of the window. You can move from window to window by clicking on one of these icons.



Multiple tabs in an SQL style window

You can right mouse on a tab to create another window. You can click on the tabs to switch from one to another.



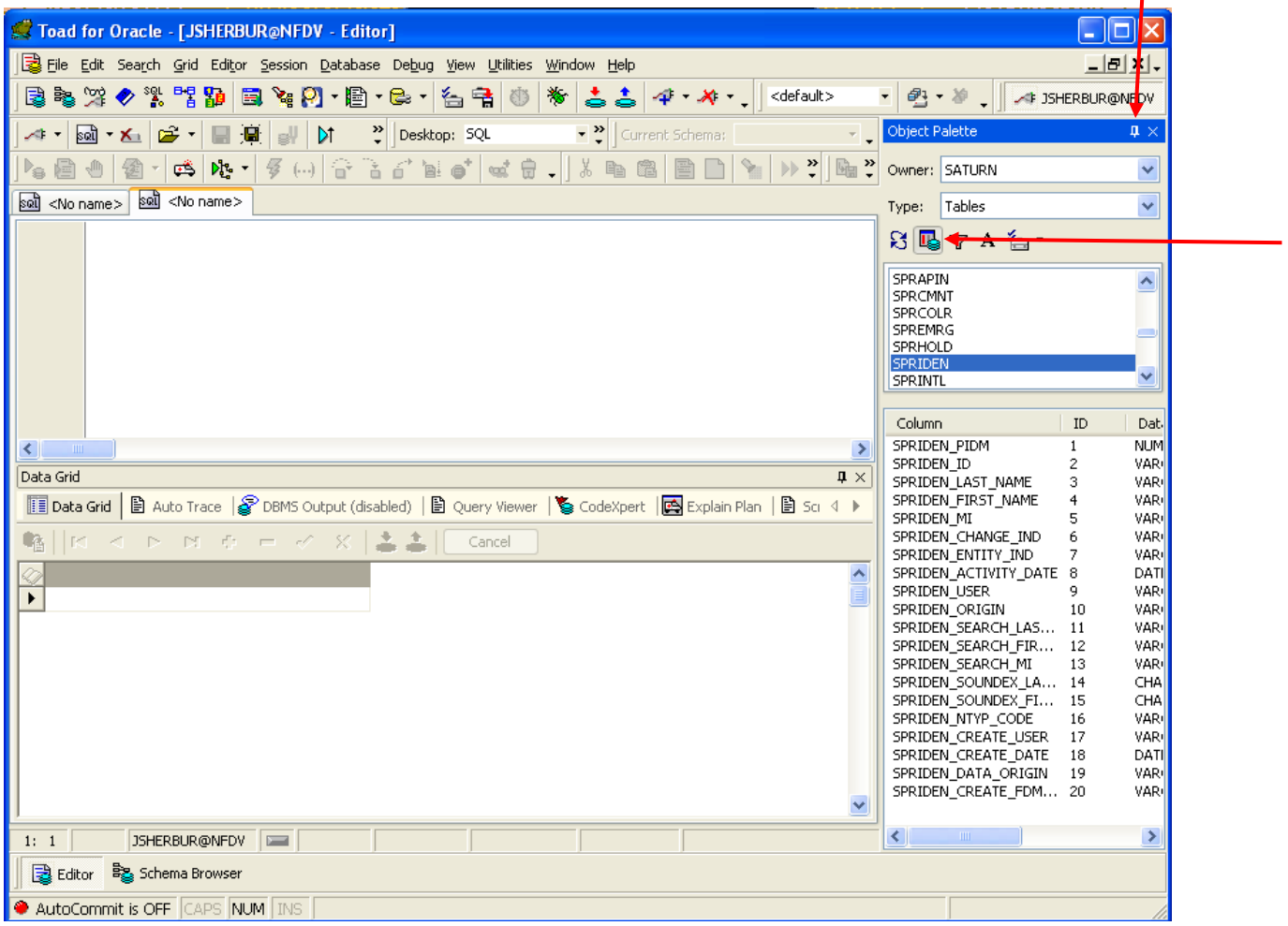


Object Palette

From the view menu, you can select the Object Palette. This will show you a list of tables and columns in the selected schema. This allows you to double click or drag and drop table or columns and insert them into your query. You can select

multiple columns at a time and drag them to the query area. If multiple columns are selected, a comma will automatically be inserted after each one. This is not the case if you select one column at a time. Many of the windows have the feature to either close them or use the 'thumb tack' to hide them until you cursor over them. When you cursor over the window, it will reappear.

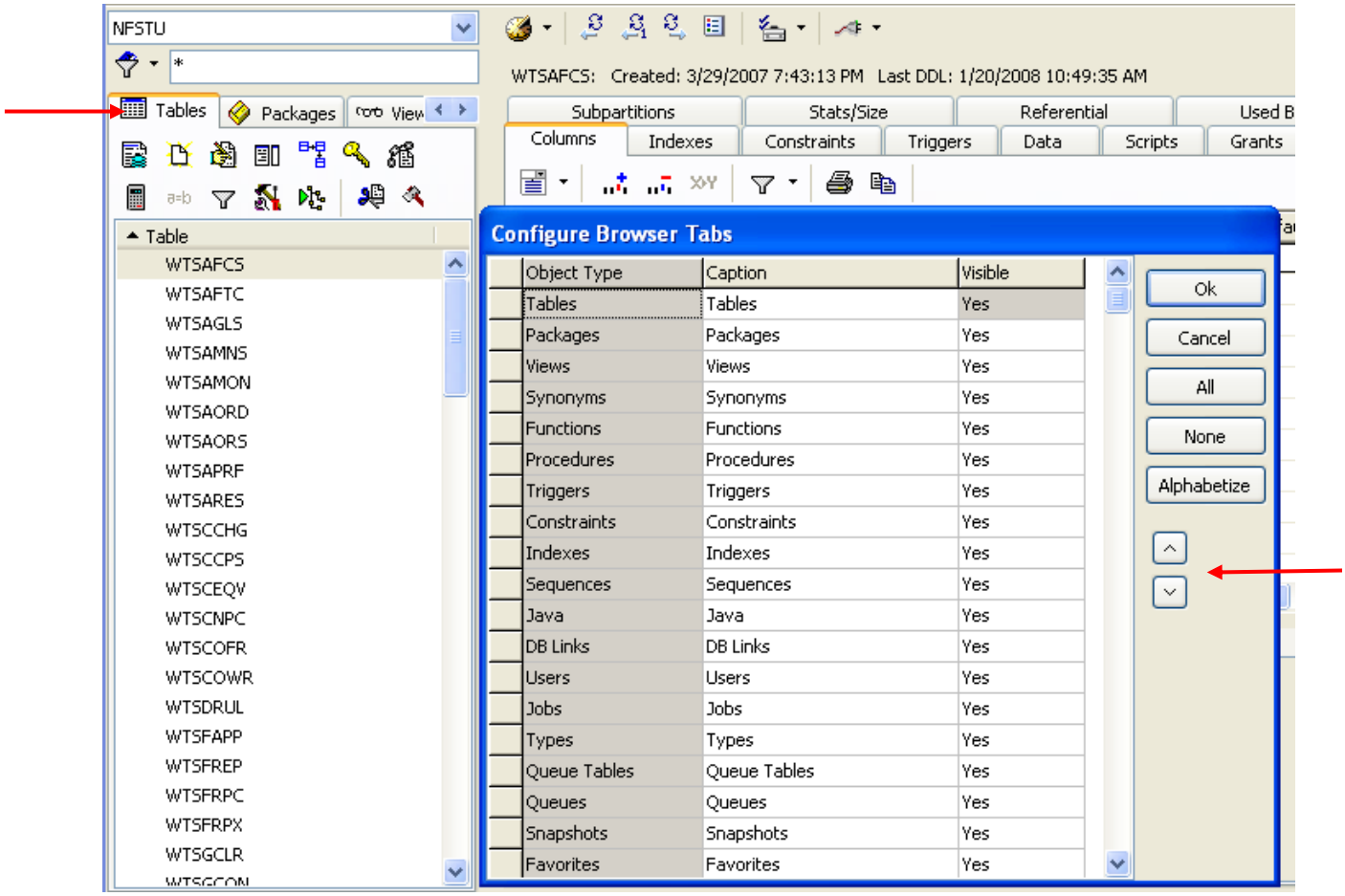
Show Columns
This icon allows you to show or hide the columns.



Parts of the Schema Browser

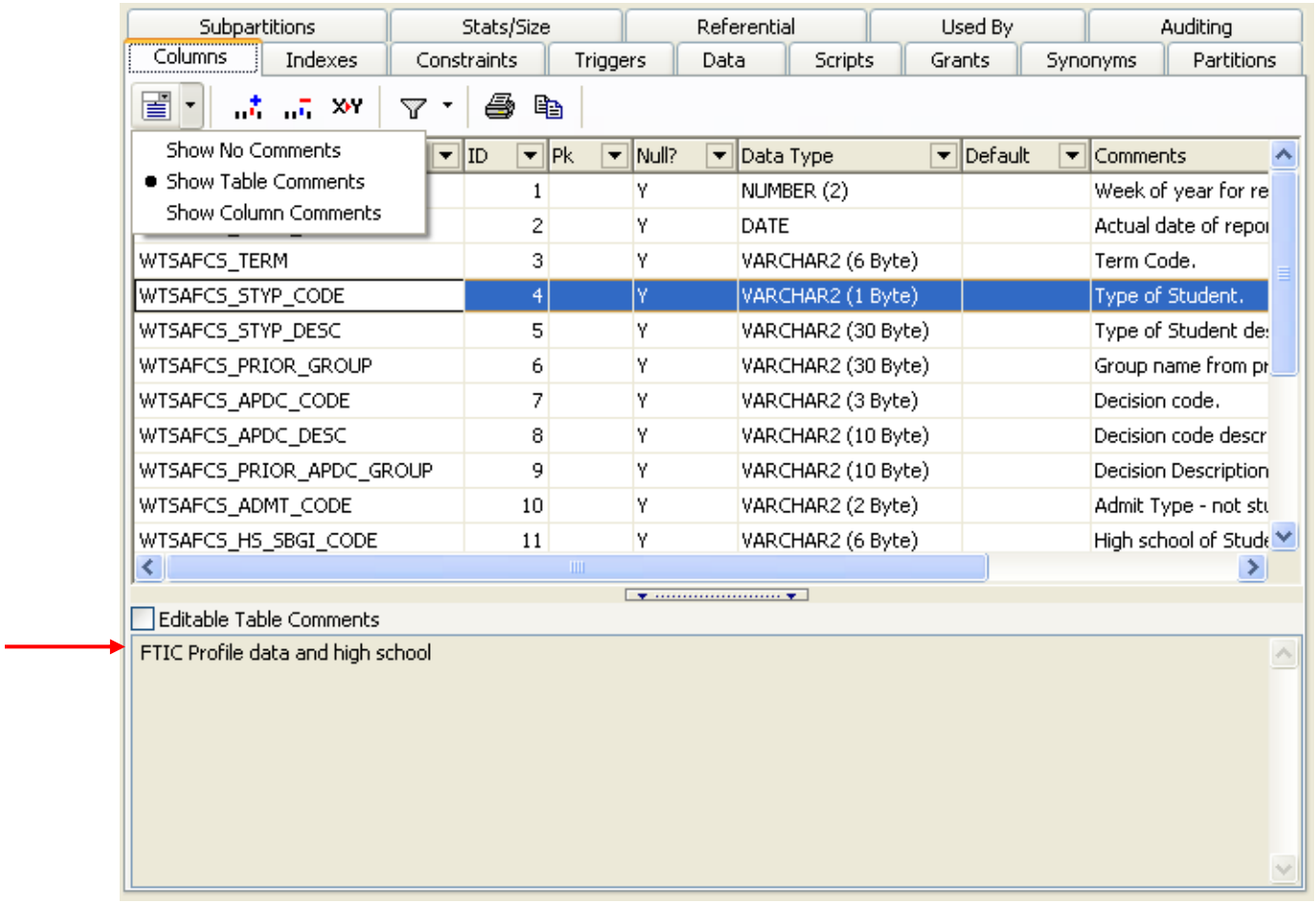
Browser Tabs

You can customize the browser tabs. You can right mouse click in the tab area and select “Configure”. The “Configure Browser Tabs” window is displayed. You can move more frequently used tabs to show up as the leftmost tabs so they are visible in the window without scrolling. Simply select the up and down arrows in the “Configure Browser Tabs” to position them.

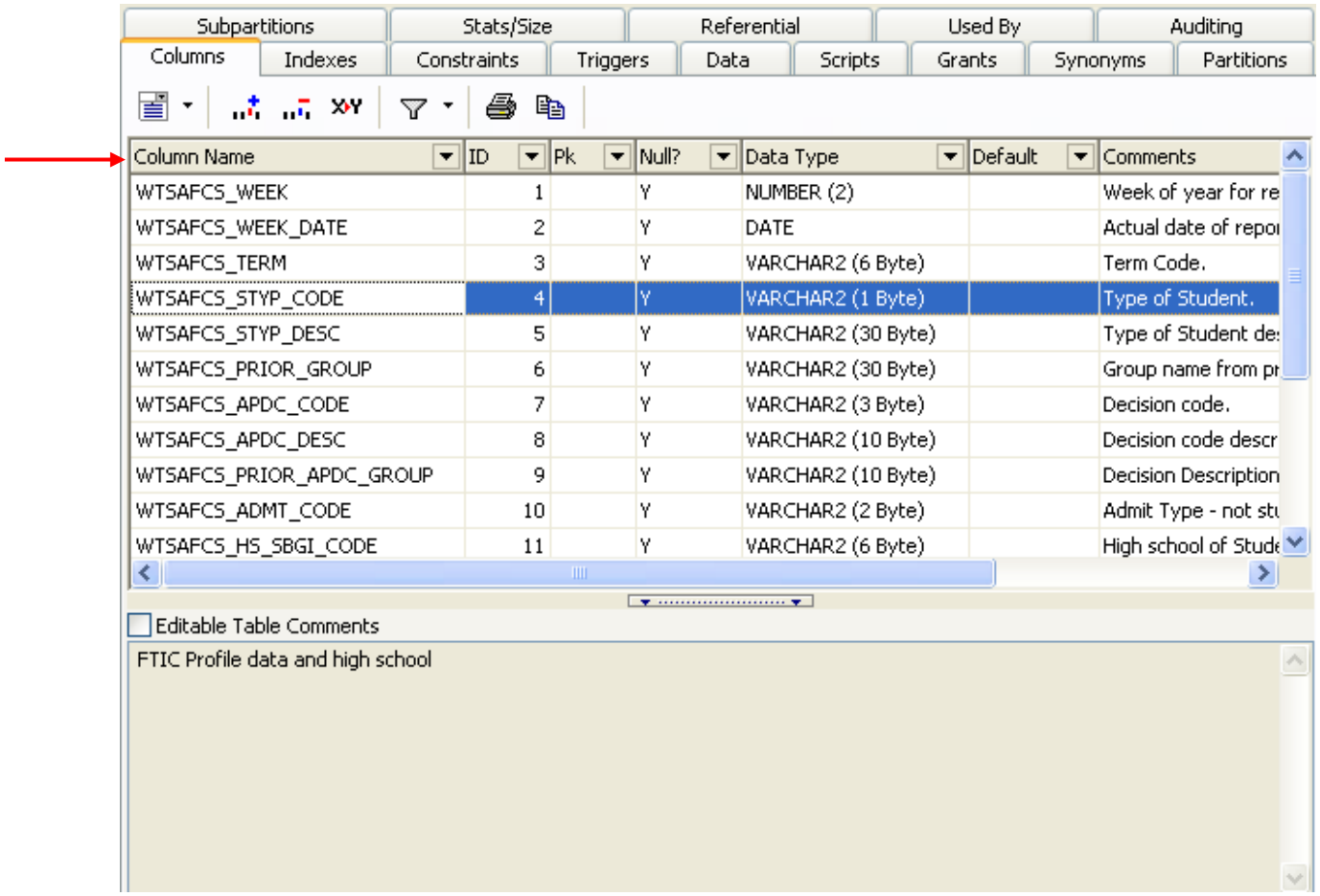


Tables Tab
Columns Tab

On the Columns Tab, you can choose to “Show No Comments”, “Show Table Comments” (as this example is), or “Show Column Comments”.

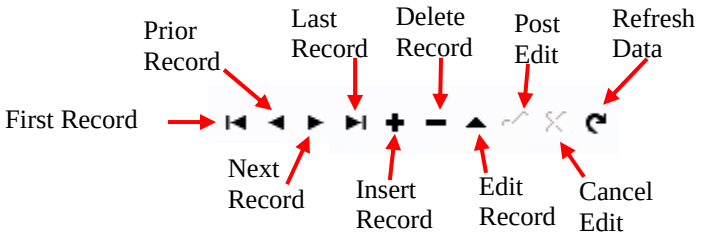


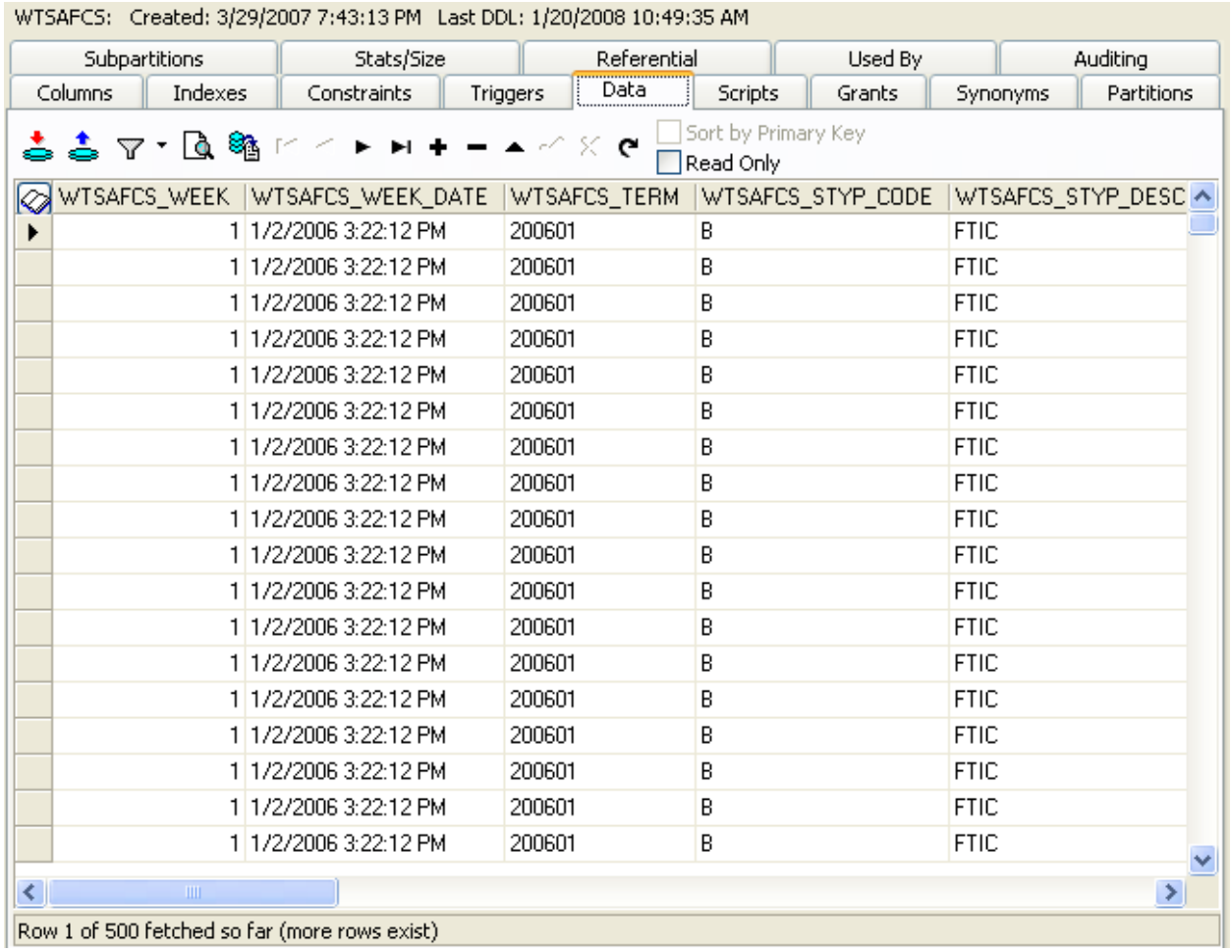
The Columns Tab also displays the column name, ID, primary key, nullable, data type, default values, and comments. The Comments field is not always present. You must right mouse on the field name (column name, ID, etc.) then select "Show column comments in list'.



Data Tab

The Data Tab displays the data. The data can be manipulated in this window. Use the following for record level manipulation (except for the Refresh Data which refreshes all of the data).

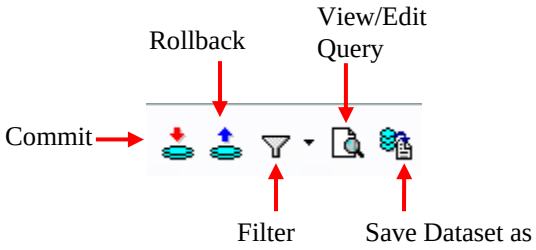




Duplicate Row

While in the data tab, select a row, then right mouse on the row. You can select 'Duplicate Row'. You can then change only the items that need to be updated in the new row.

Other useful icons are:



The Commit icon will save any changes to the data to the database.

The Rollback icon will rollback any changes to the data setting it back to it original state prior to any changes.

The Filter icon allows you to include or exclude certain records by using the columns to narrow the data that is displayed.

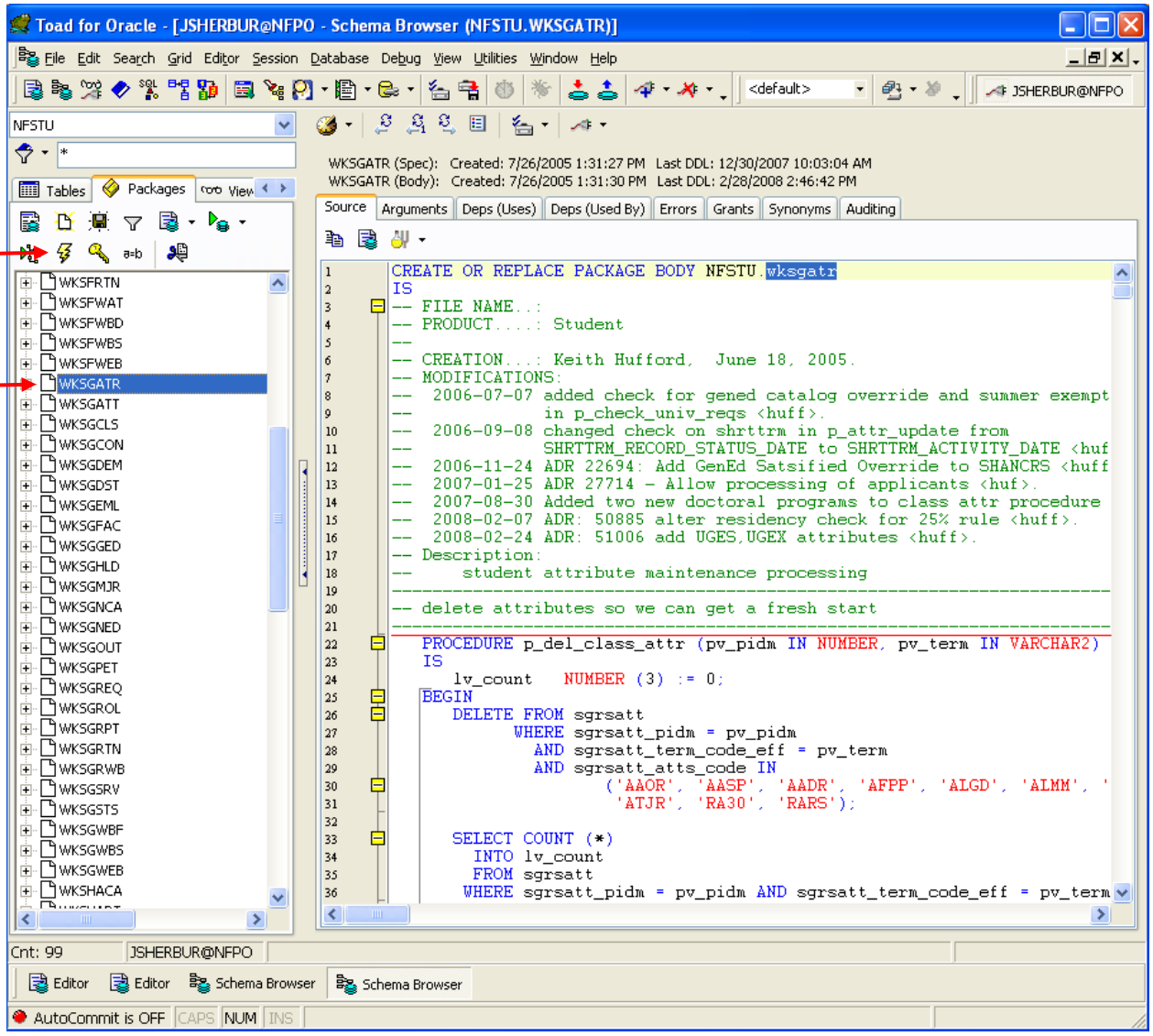
The View/Edit Query icon allows you to manually change the query that is producing the data in the grid.

The Save Dataset as icon allows you to save the data in the grid to a file.

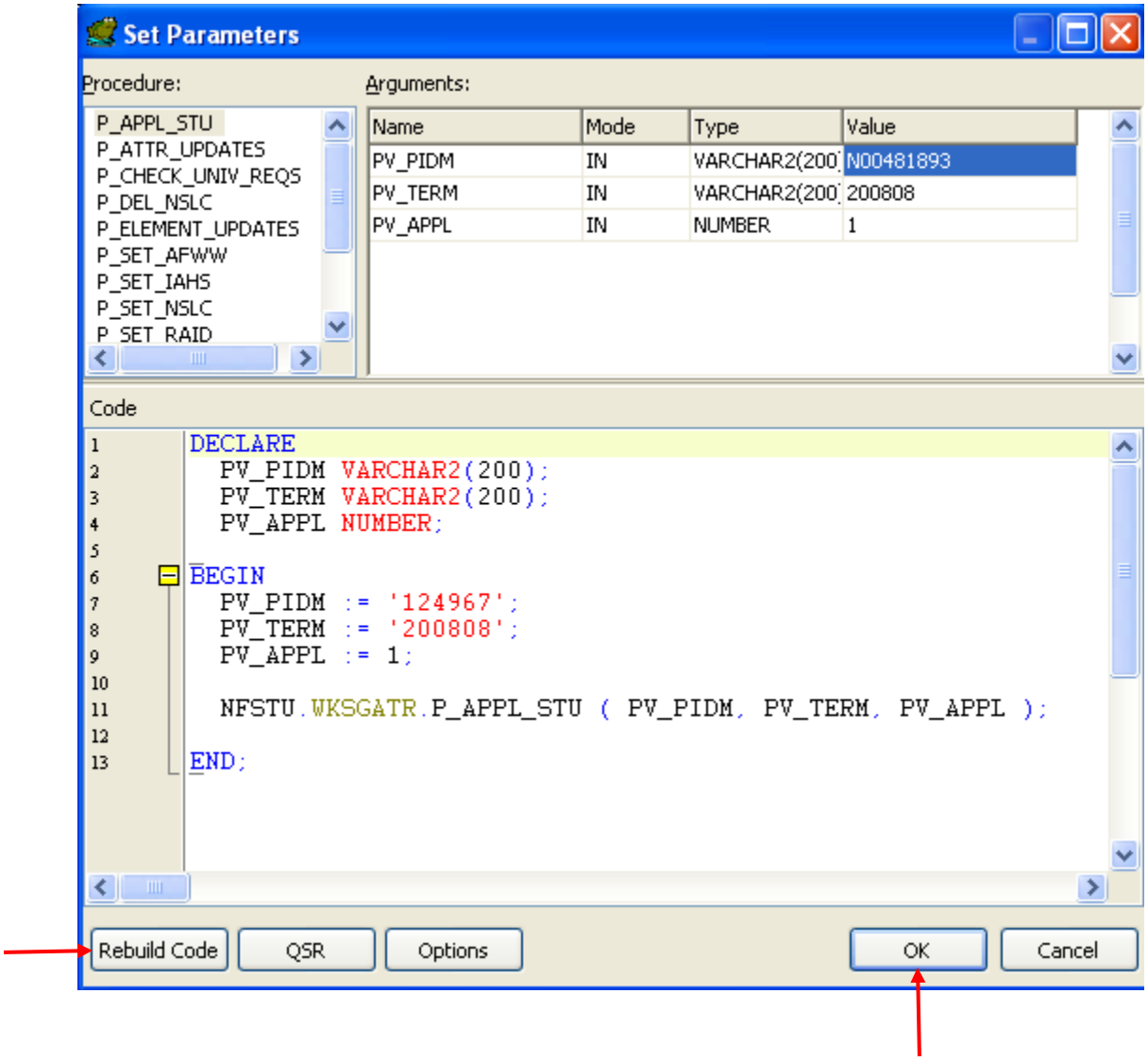
Packages Tab

Execute Procedure

This icon allows you to execute a function or procedure in the highlighted package. Only the procedures and functions that are exposed in the specification are available to execute.

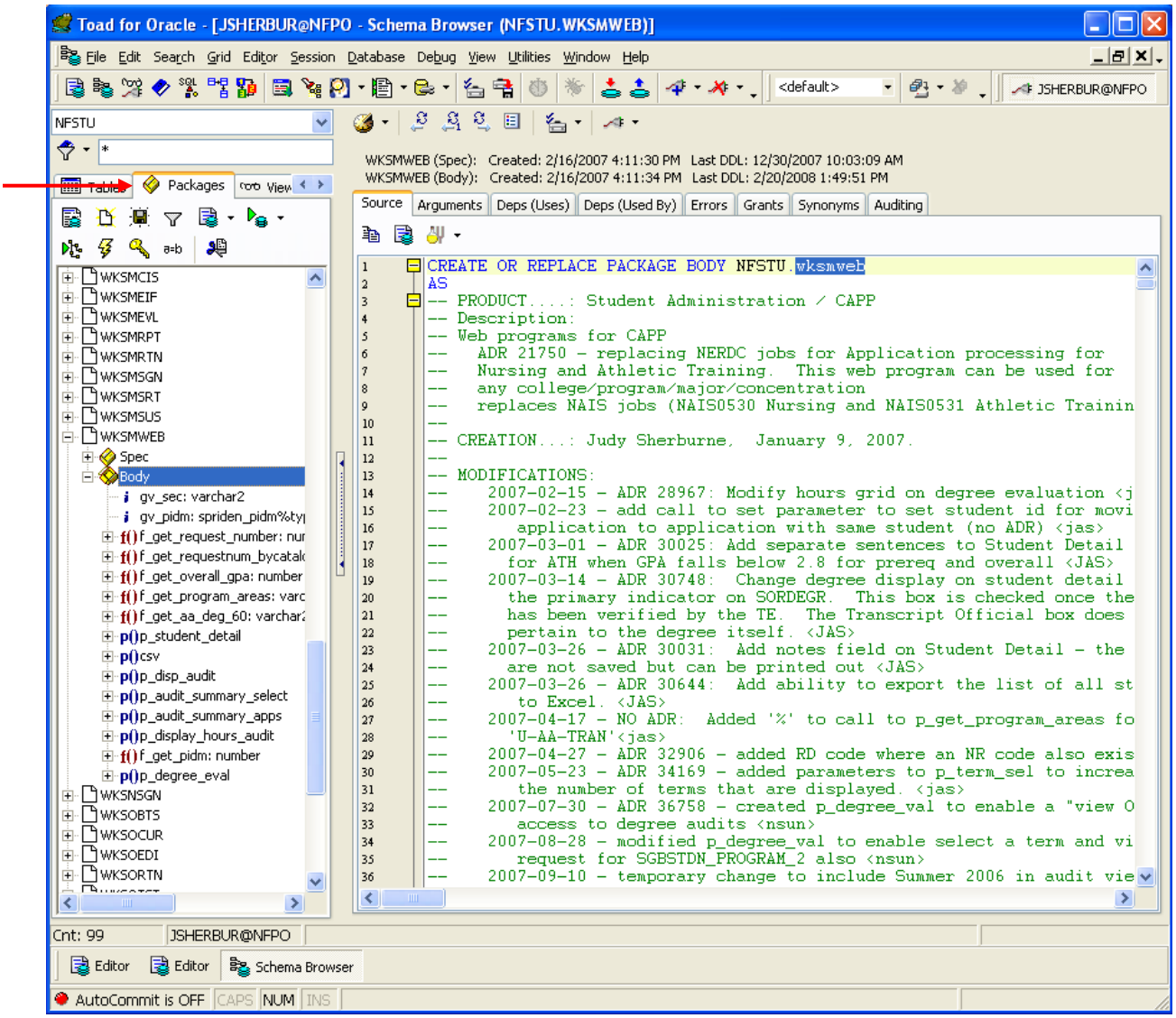


When you select the Execute Procedure icon you can then select which procedure you wish to execute (in the left side window) and provide the necessary parameters (in the right side window). Be sure to select the 'Rebuild Code' button before selecting the 'OK' button.



PL/SQL Style Window

You can open a PL/SQL window from the Schema Browser window. From the Packages tab, you can double click on a package which will open it in a PL/SQL window.



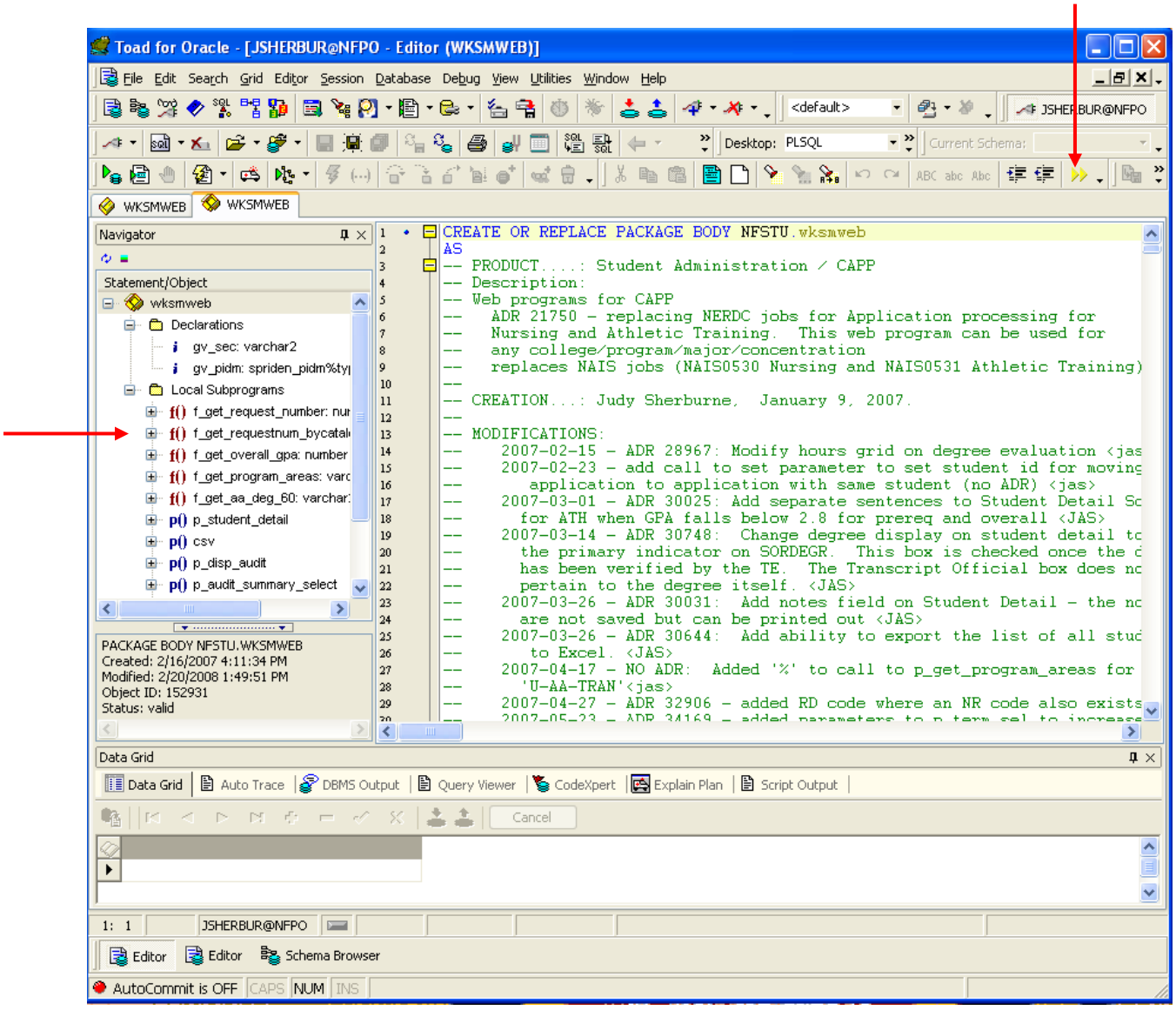
In the Navigator (left side), you can go directly to a function or procedure by clicking on it. The right side is where you edit the program.

Execute Statement

This icon is used to compile the package (even though it is called “Execute Statement”).

Format Code

This icon is used to format the code. You should use this frequently to keep you code readable. There is also a menu item to format the code: Edit, Format Code.



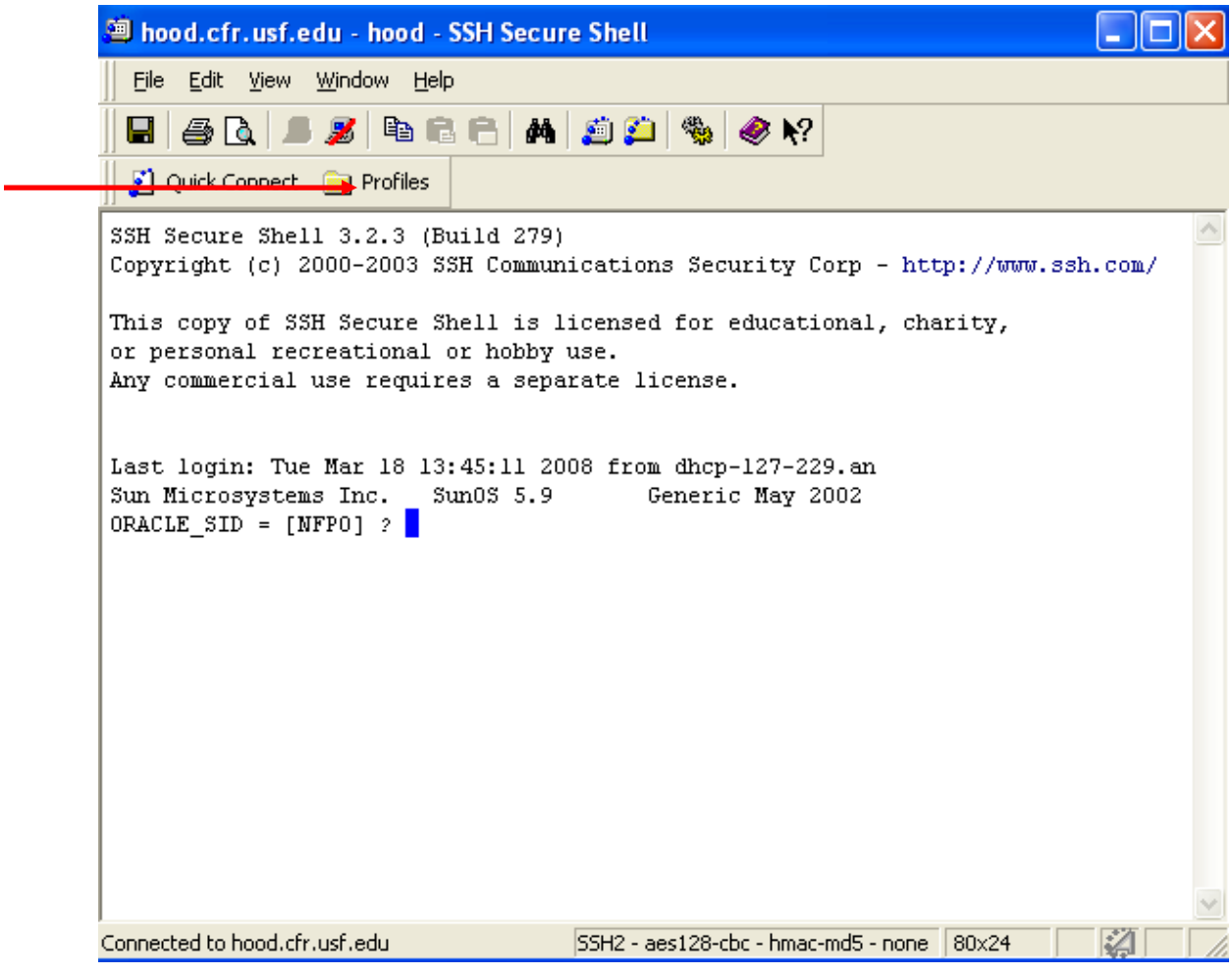
Secure Shell (SSH)

The SSH Secure Shell for Workstations Windows client (SSH2 client) is a program that allows secure network services over an insecure network.

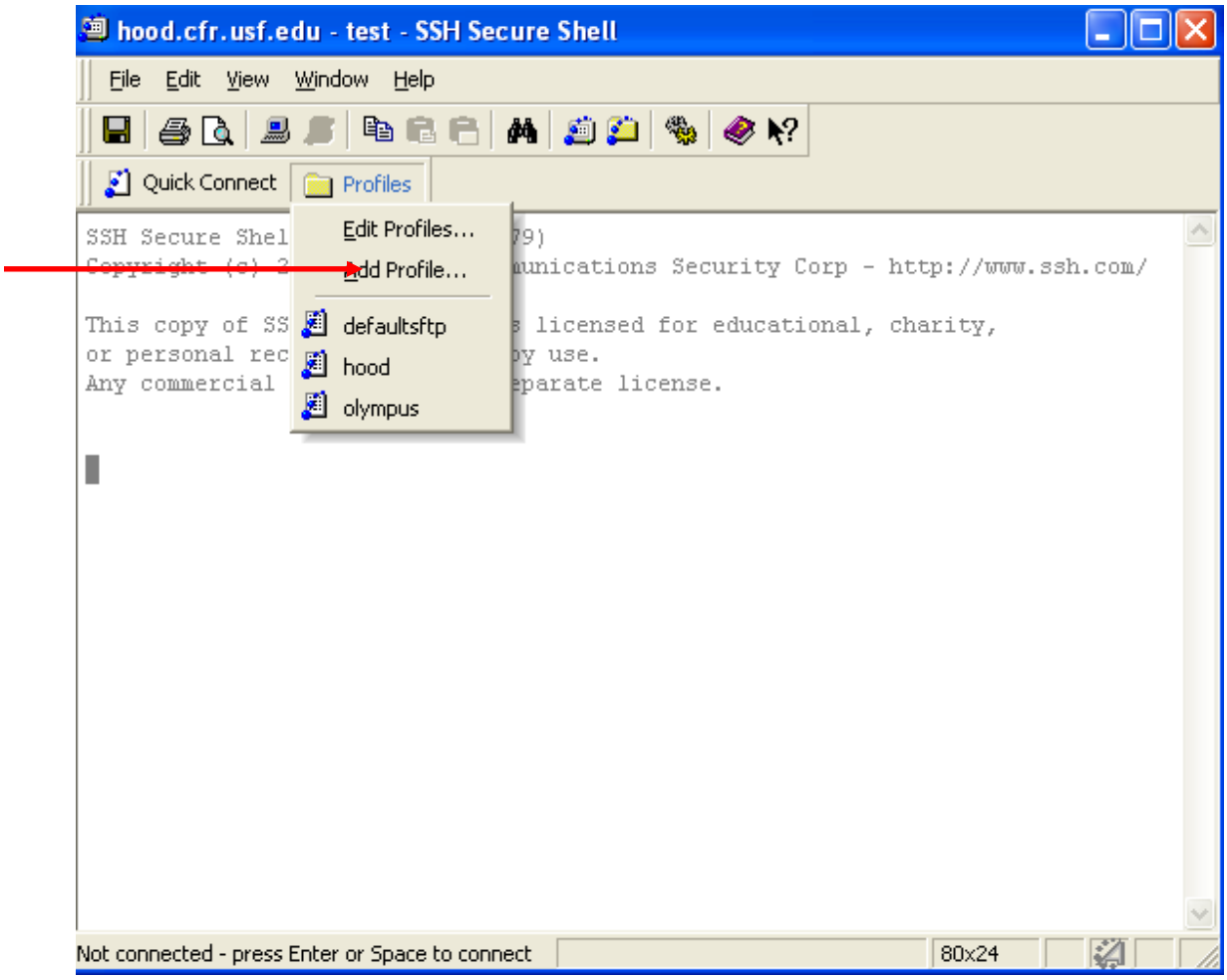
SSH Secure Shell for Workstations Windows Client replaces other, insecure terminal applications, such as Telnet and FTP. It allows you to securely login to remote host computers, to execute commands safely on a remote computer, and to provide secure encrypted and authenticated communications between two hosts in an untrusted network.

To set up a profile:

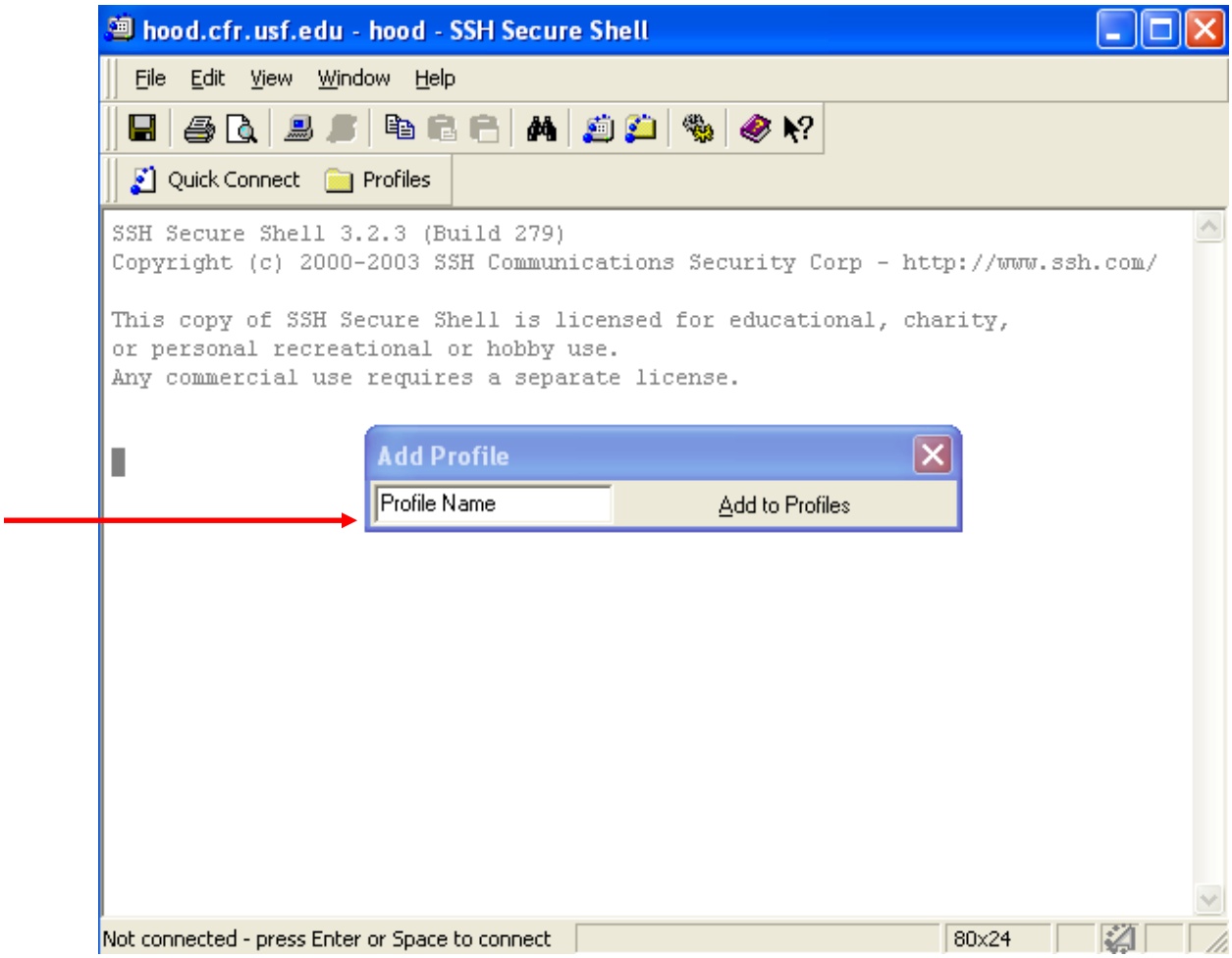
Click on Profiles



Click on ADD a profile:

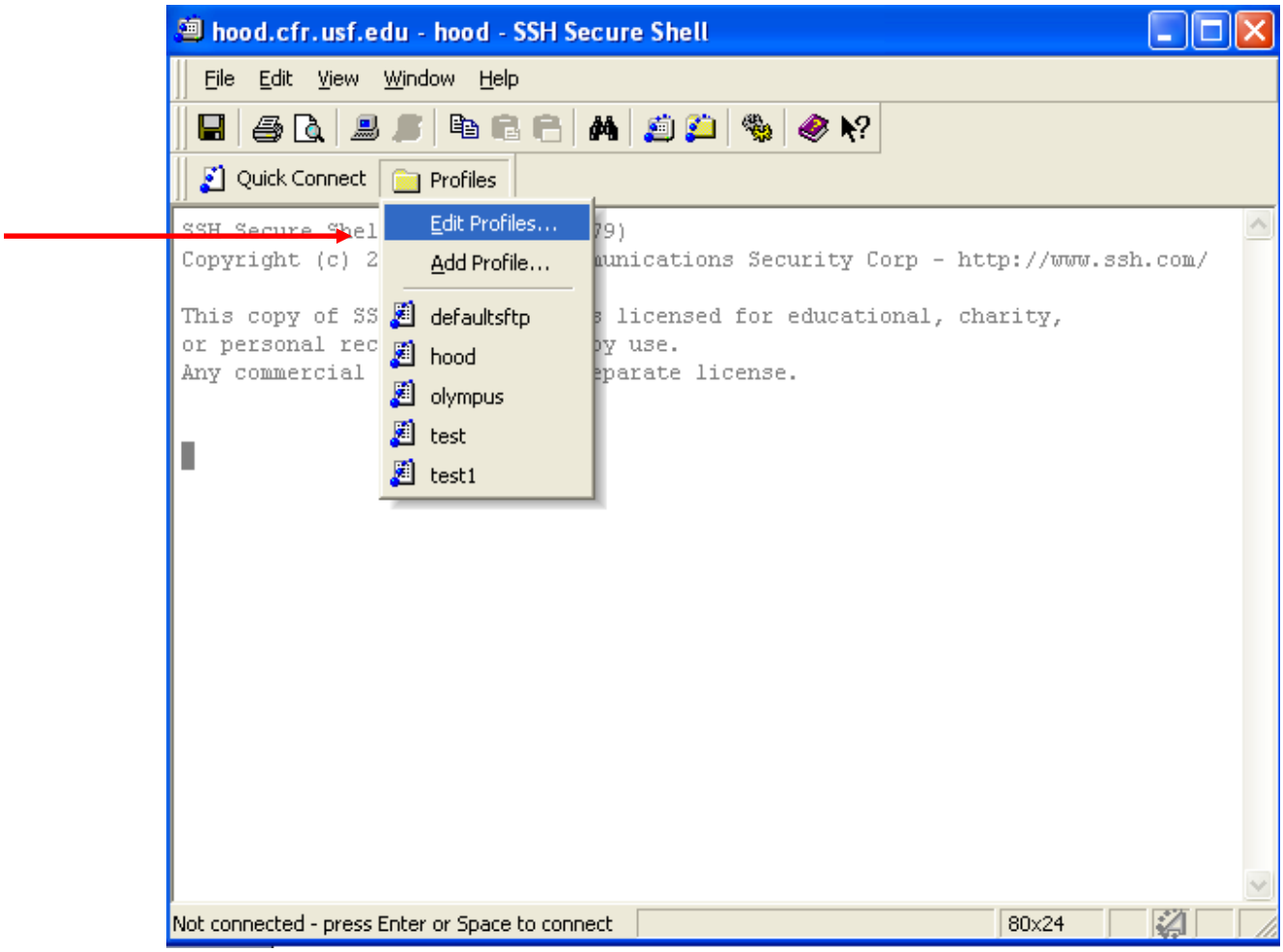


Add the name of your profile:



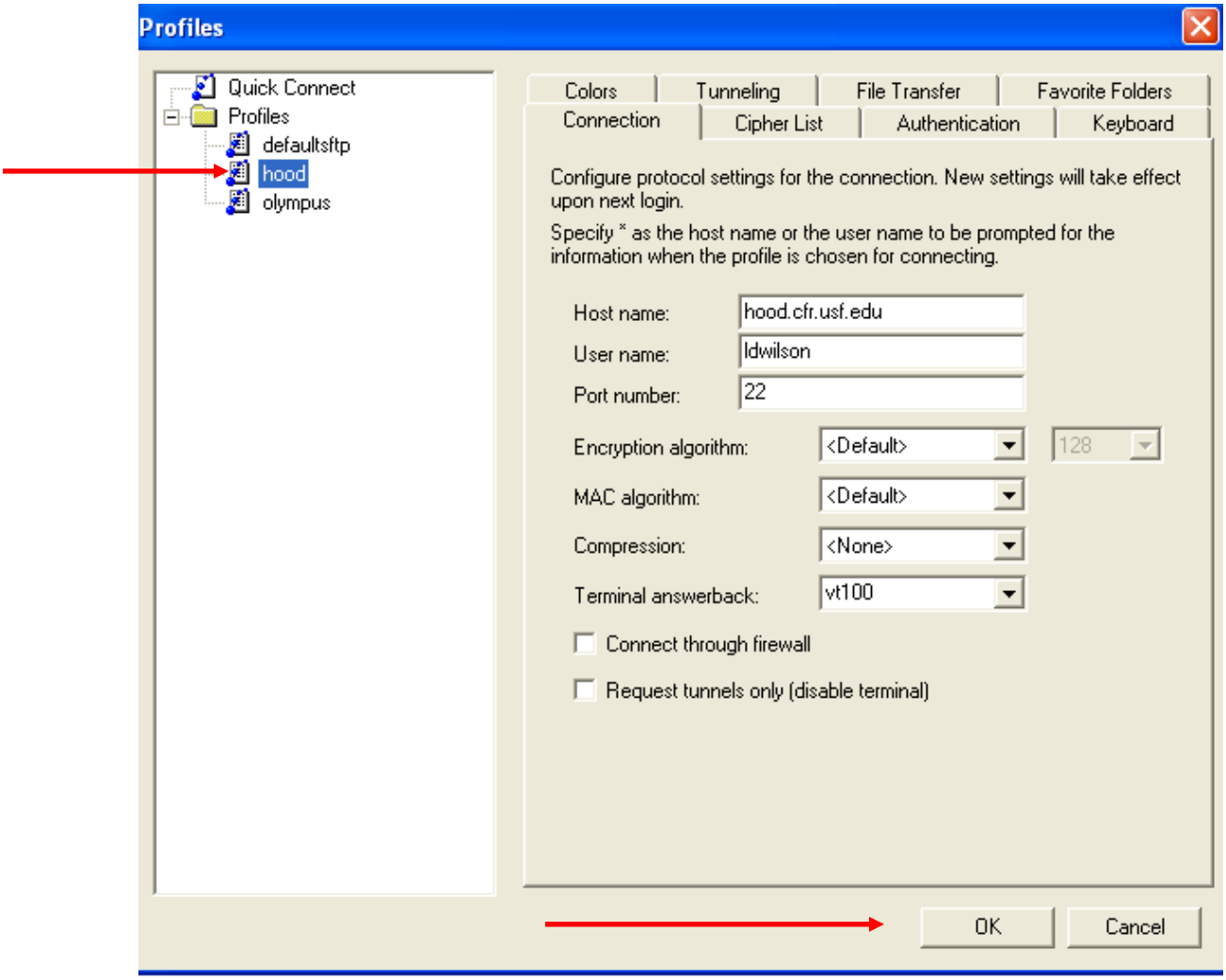
Then click Add to Profiles.

Then select Edit Profiles:



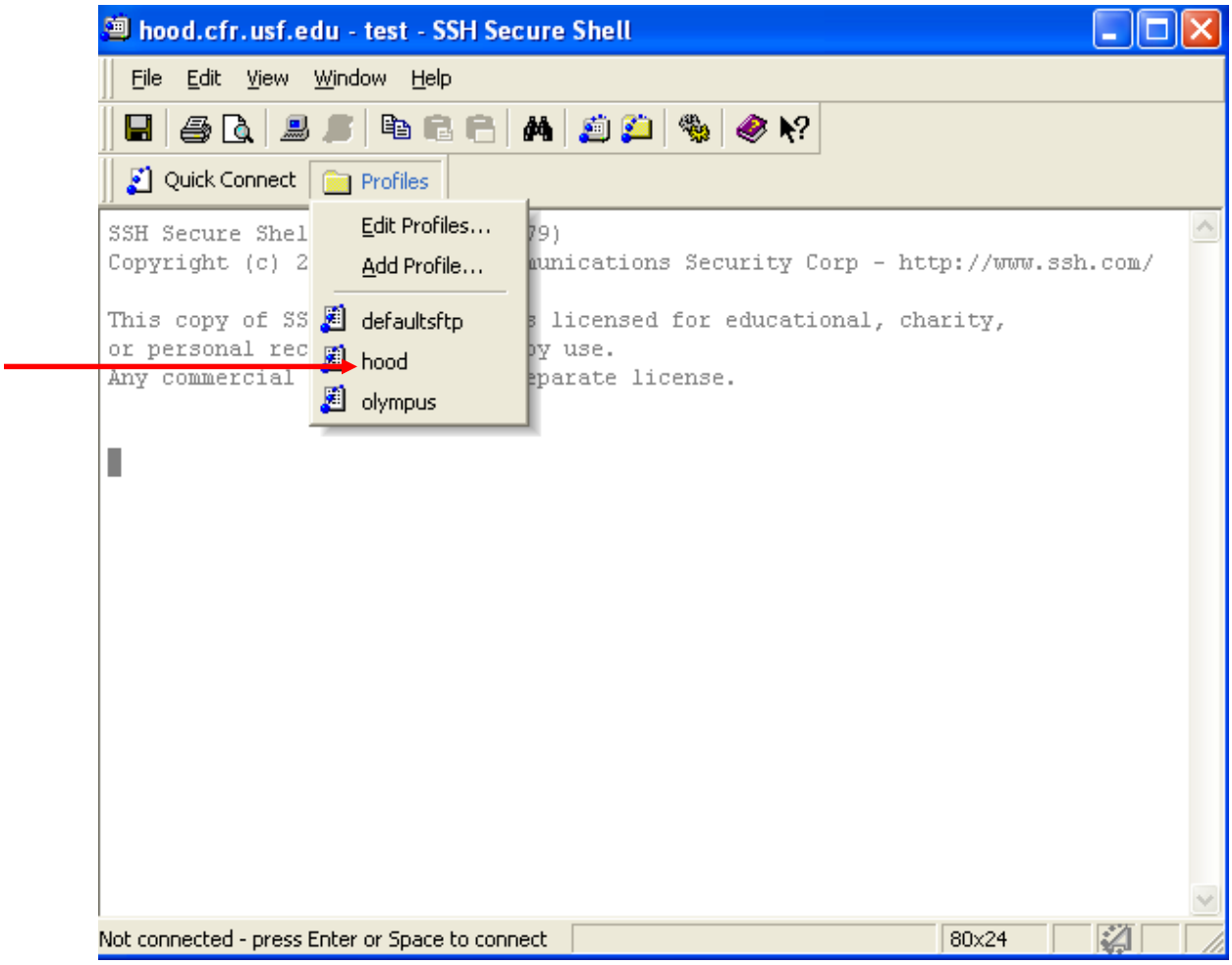
Highlight the profile you want to edit and

Add/change variables as needed:

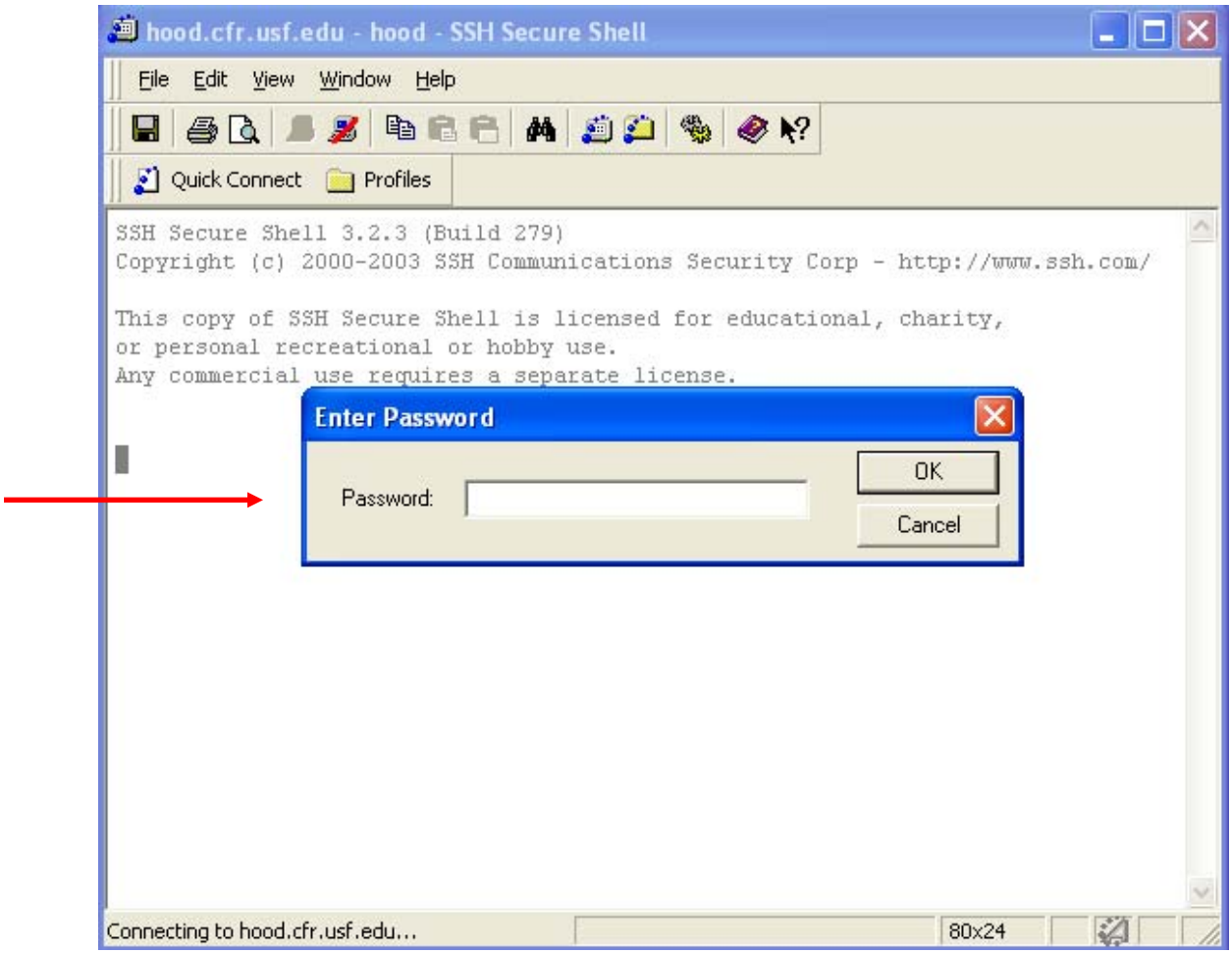


Click OK

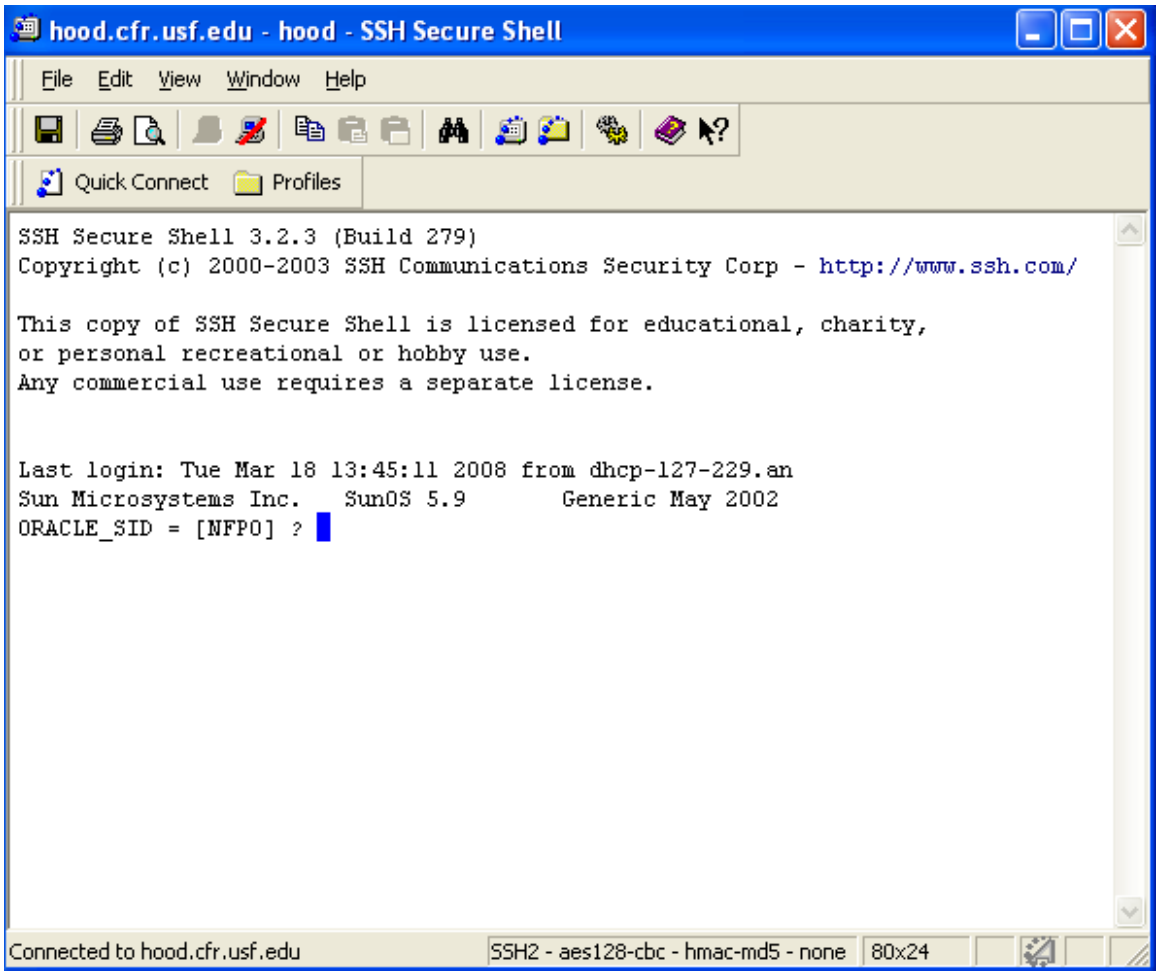
After profiles are set up and you are signed in you will then select and click on the profile you want to use:



Enter your password here:

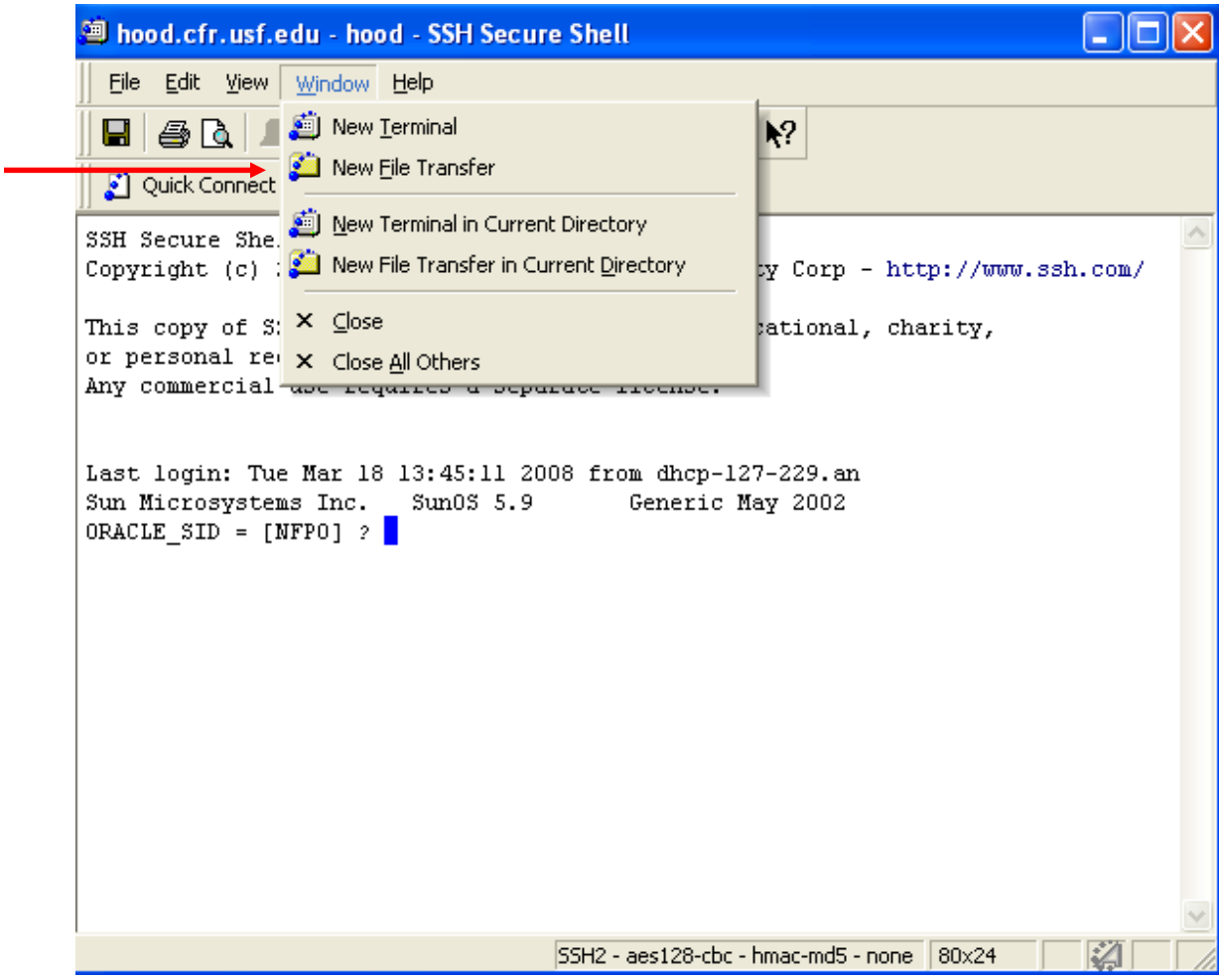


After you have signed in you see this main page:



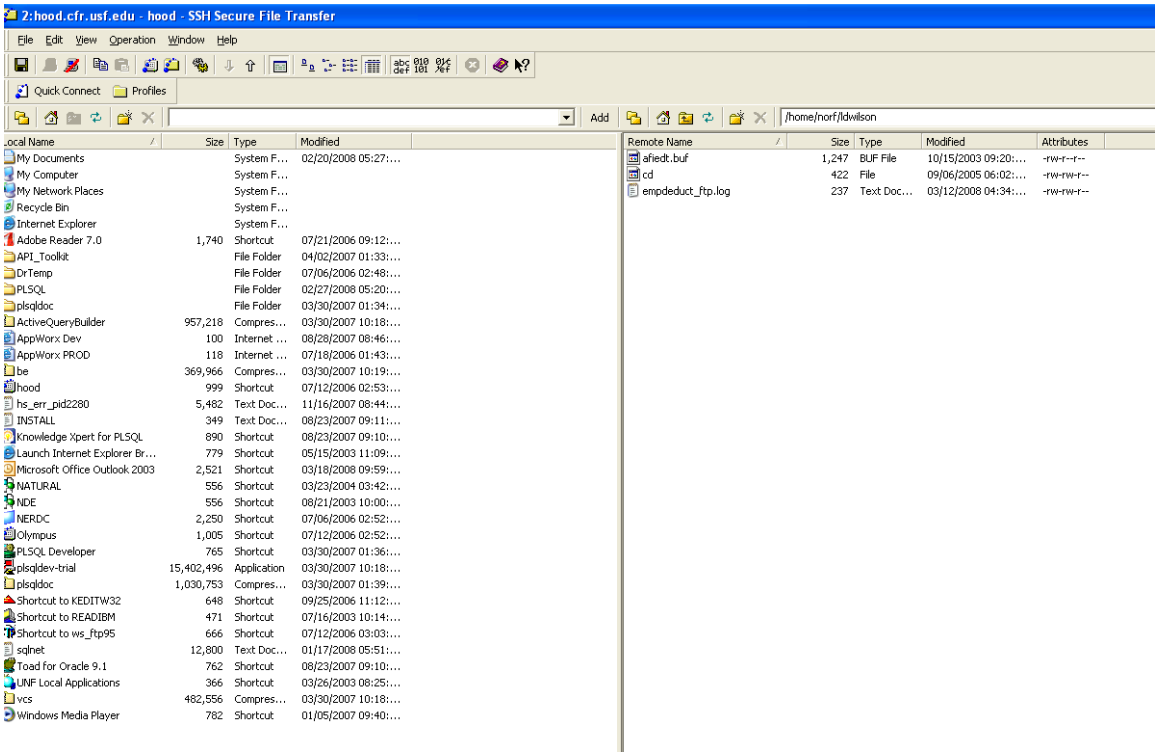
You are now in the UNIX window and can enter commands here as needed.

From here you can go to the File Transfer Section: click on WINDOW then select NEW FILE TRANSFER:



Now you are in the File Transfer mode:

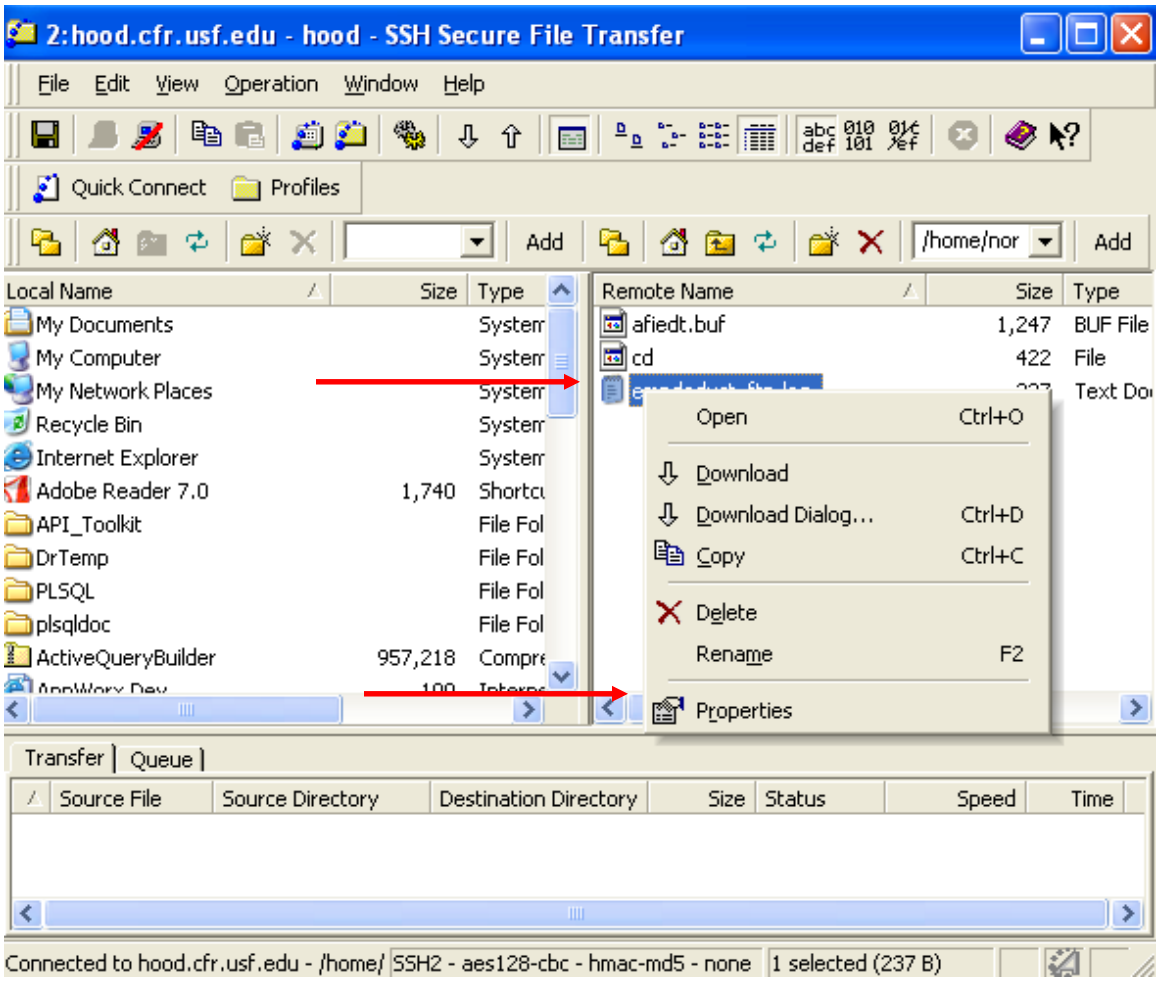
Left side is your local directory listings
Right side is the UNIX directories.



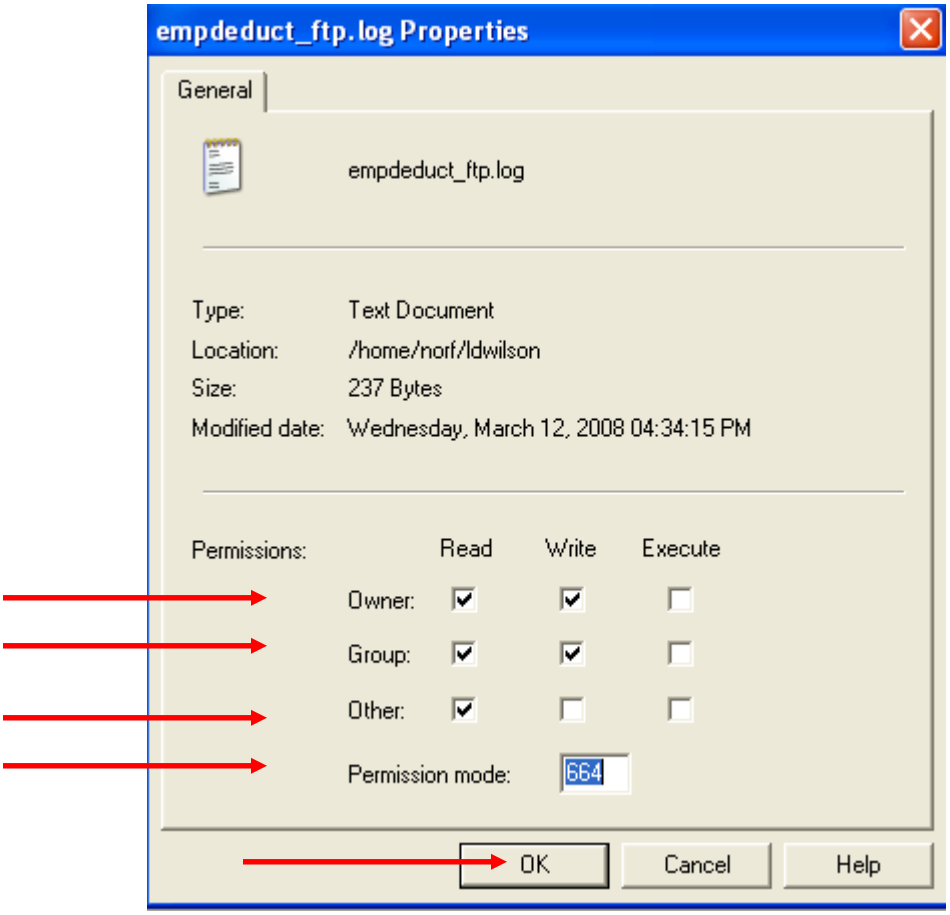
Move the files back and forth by click and drag method. There will be prompts to replace existing data.

You can set properties by 1) highlighting the file, right click
2) select PROPERTIES

You can use this in place of the ch mod command in Unix.



Here you can either enter the permissions needed in the permission mode box or check/uncheck the boxes to get to the desired number:



Click OK and you are finished with permissions.

Oracle Forms builder
Workflow