Oracle Tutorial

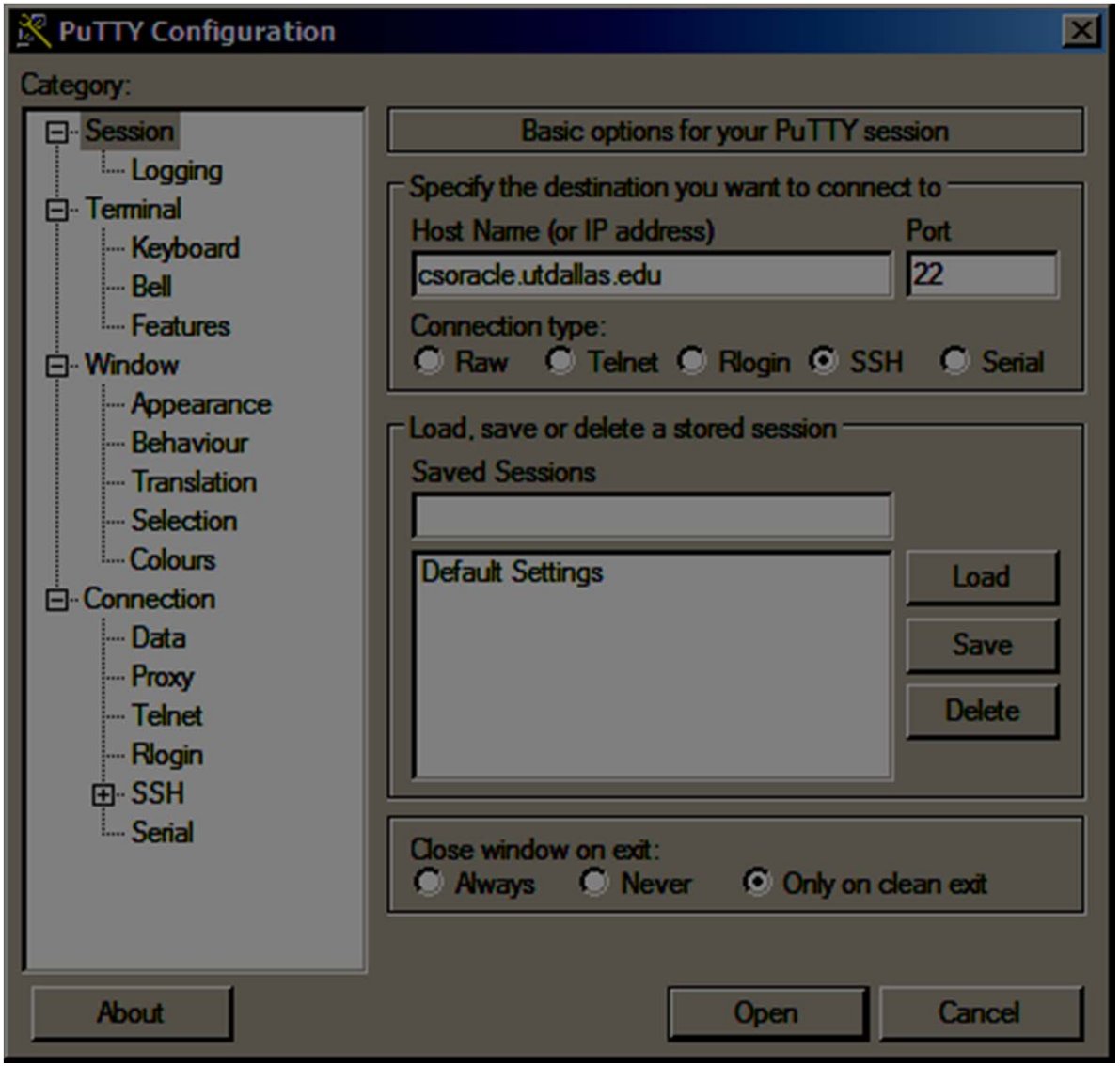
- Outline:
  - Login to oracle server
  - Create account
  - Use SQL Developer

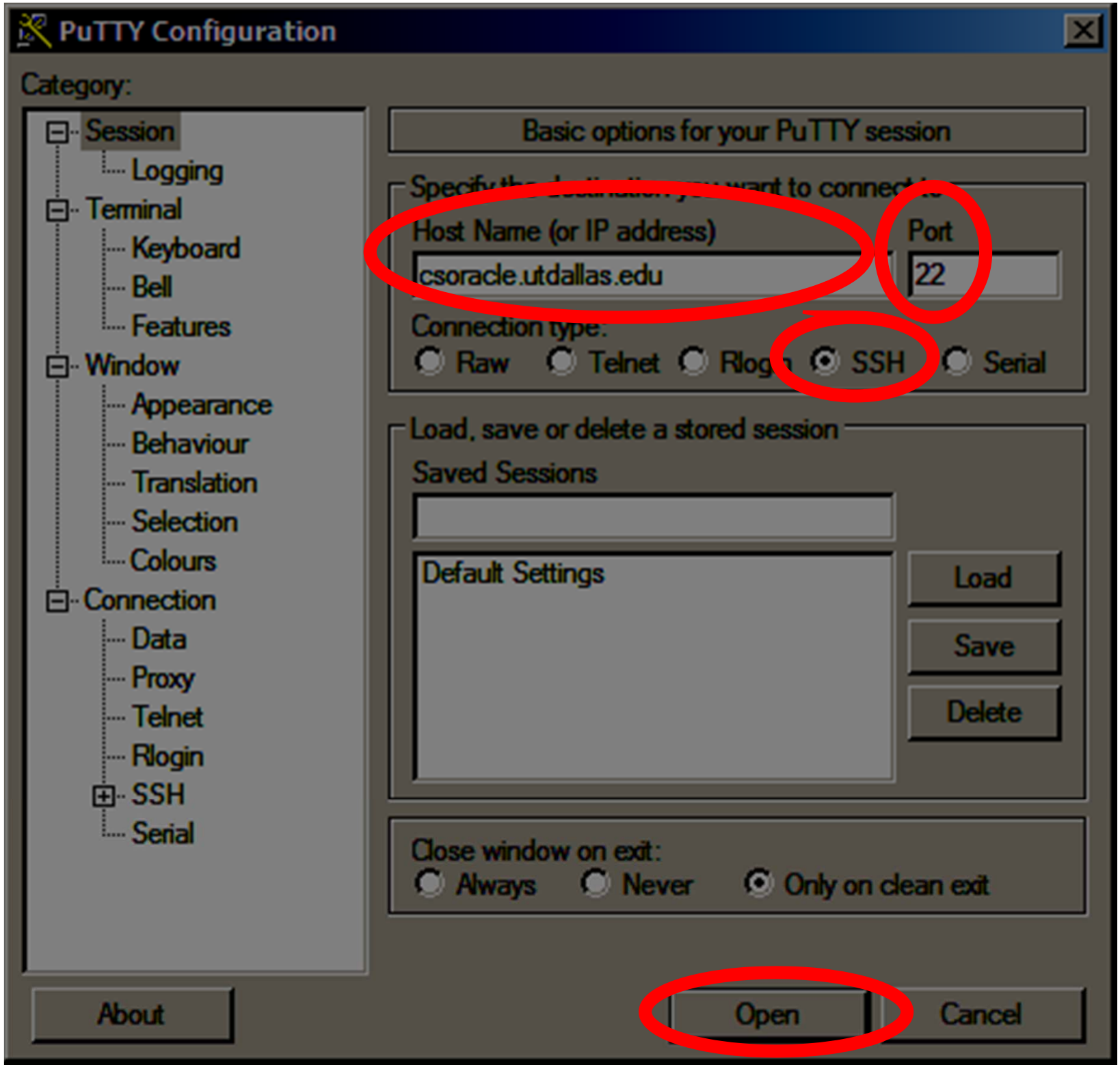
Login to Oracle Server

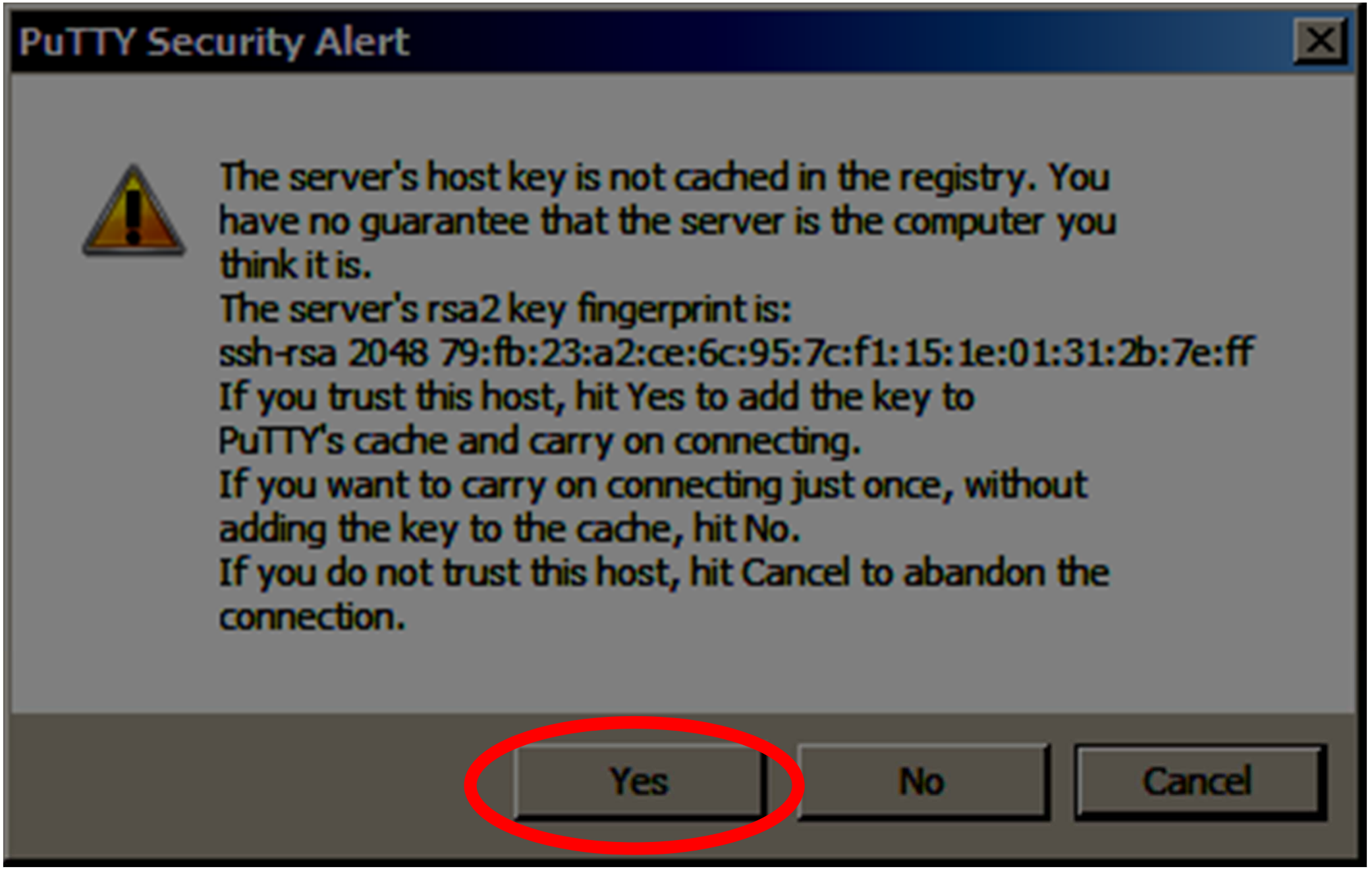
- Hostname: csoracle.utdallas.edu
- Mac / Linux users:
  - ssh your_netid@csoracle.utdallas.edu
- Windows users:
  - Any ssh client

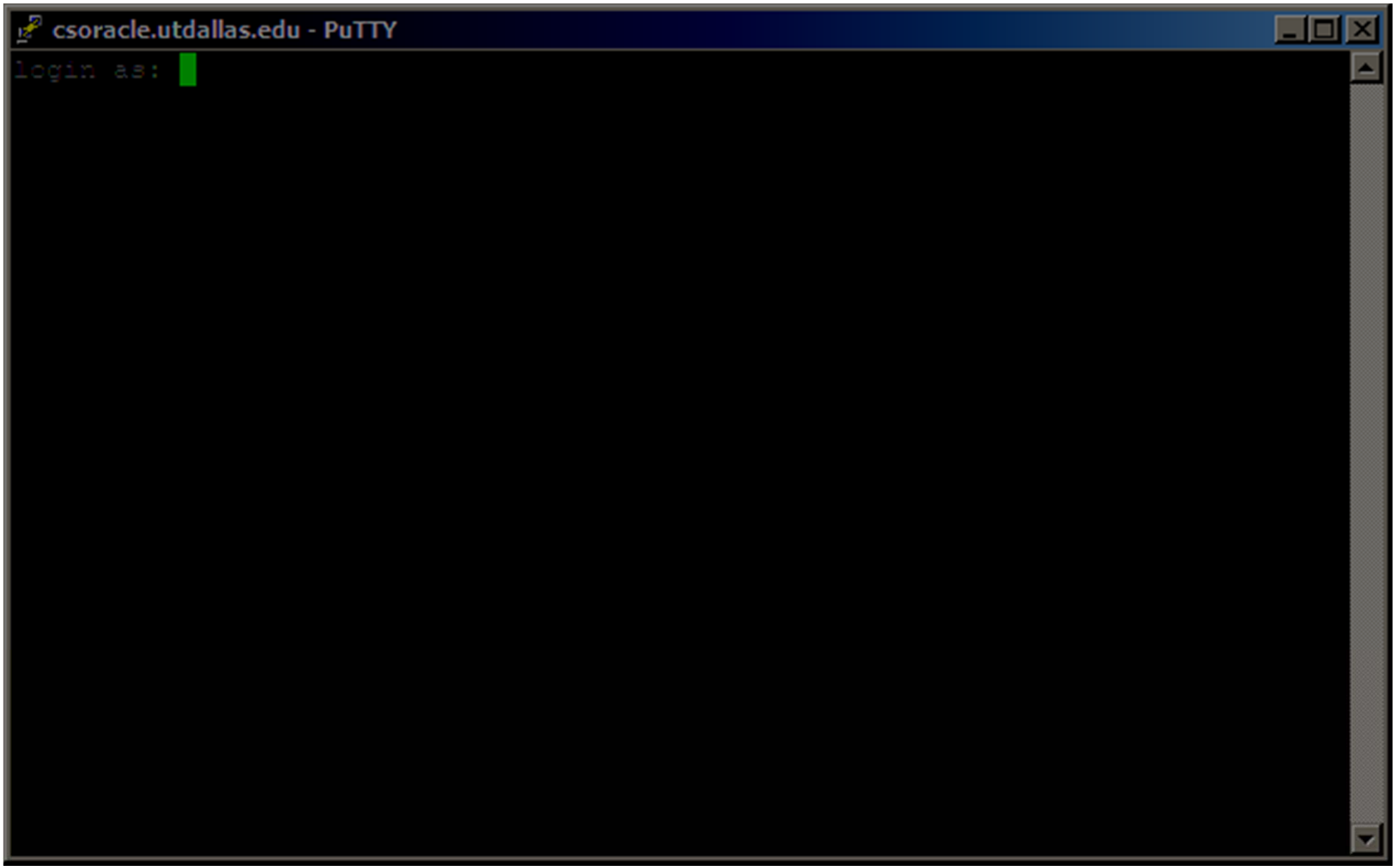
Login to Oracle Server

- Putty:
  - Search “putty”
  - Download the executable
  - Double click to open:




PuTTY Configuration
Category:
Session
Logging
Terminal
Keyboard
Bell
Features
Window
Appearance
Behaviour
Translation
Selection
Colours
Connection
Data
Proxy
Telnet
Rlogin
SSH
Serial
Basic options for your PuTTY session
Host Name (or IP address)
Port
csoracle.utdallas.edu
22
Connection type:
Raw
Telnet
SSH
Serial
Load, save or delete a stored session
Saved Sessions
Default Settings
Load
Save
Delete
Close window on exit:
Always
Never
Only on clean exit
About
Open
Cancel


PuTTY Security Alert
The server's host key is not cached in the registry. You have no guarantee that the server is the computer you think it is.
The server's rsa2 key fingerprint is:
ssh-rsa 2048 79:fb:23:a2:ce:6c:95:7c:f1:15:1e:01:31:2b:7e:ff
If you trust this host, hit Yes to add the key to PuTTY's cache and carry on connecting.
If you want to carry on connecting just once, without adding the key to the cache, hit No.
If you do not trust this host, hit Cancel to abandon the connection.
Yes
No
Cancel


csoracle.utdallas.edu - PuTTY
login as:

Login to Oracle Server

- Welcome message:

```
**** To create an Oracle account or to change your Oracle password ****
**** run the command: /usr/local/bin/oam.pl                          ****

  Once your Oracle account has been created with the oam.pl script,
access Oracle using Oracle SQL Developer.

  http://cs.utdallas.edu/about/Oracle help.htm

NOTE: CS-Lab Manager (cs-labs@utdallas.edu) will >not< provide assistance
to those using Oracle via the command-line-interface.

If you must use the command line, Oracle binaries are in $ORACLE_HOME/bin.
```

Create account

- Login to csoracle.utdallas.edu
- Run oam.pl:
  - See example
  - The '{csoracle:~}' is command prompt, it should be there already, don't type it
  - Type 'oam.pl' and press enter

```
{csoracle:~} oam.pl
Creating Oracle account for 'YOUR_NETID'.
Please Enter Password for Your Account :
Confirm Password :
```

Create account

- Oracle password:
  - Different with netid password
  - Only uppercase / lowercase letters and numeric
  - No special characters

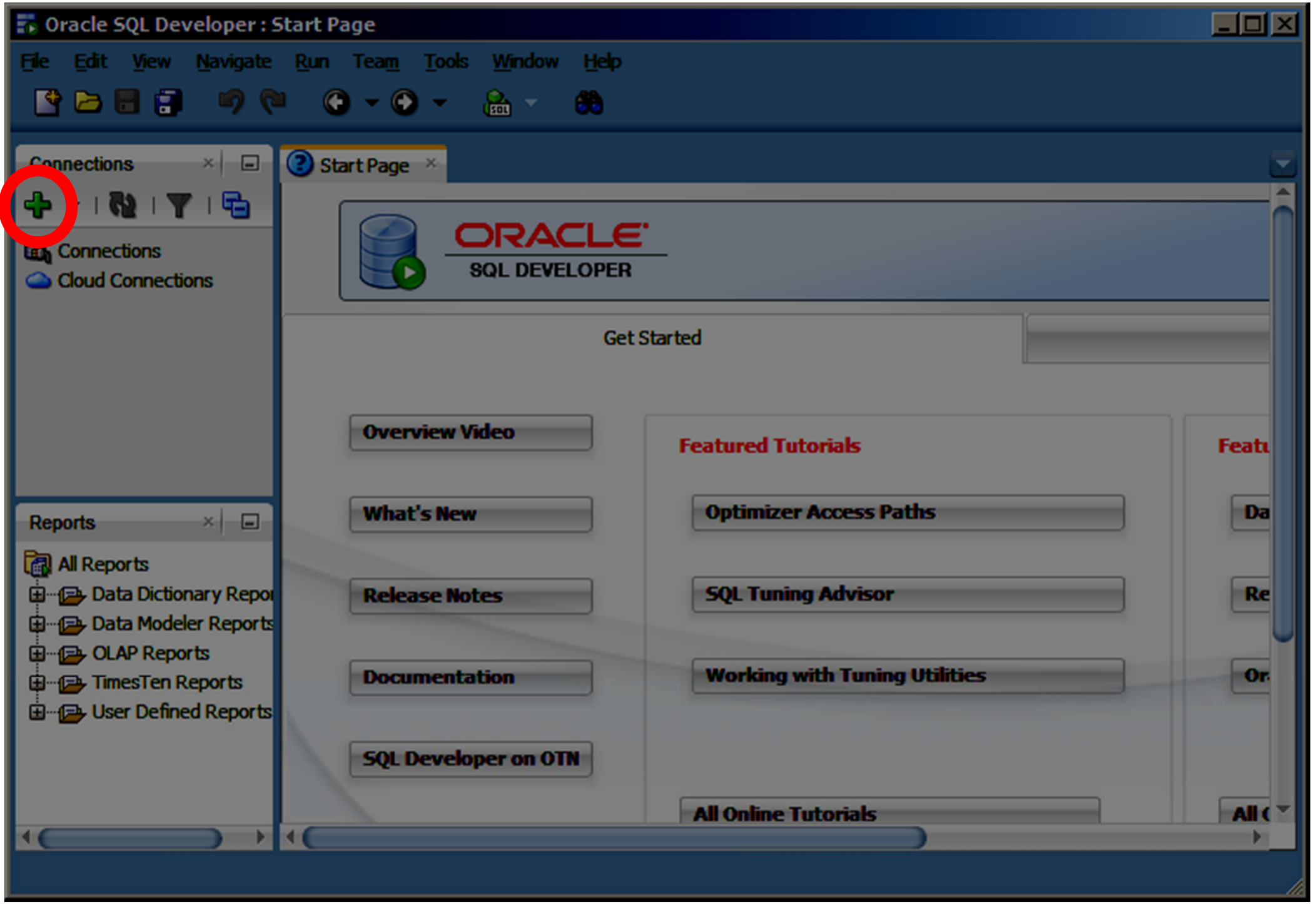
Create account

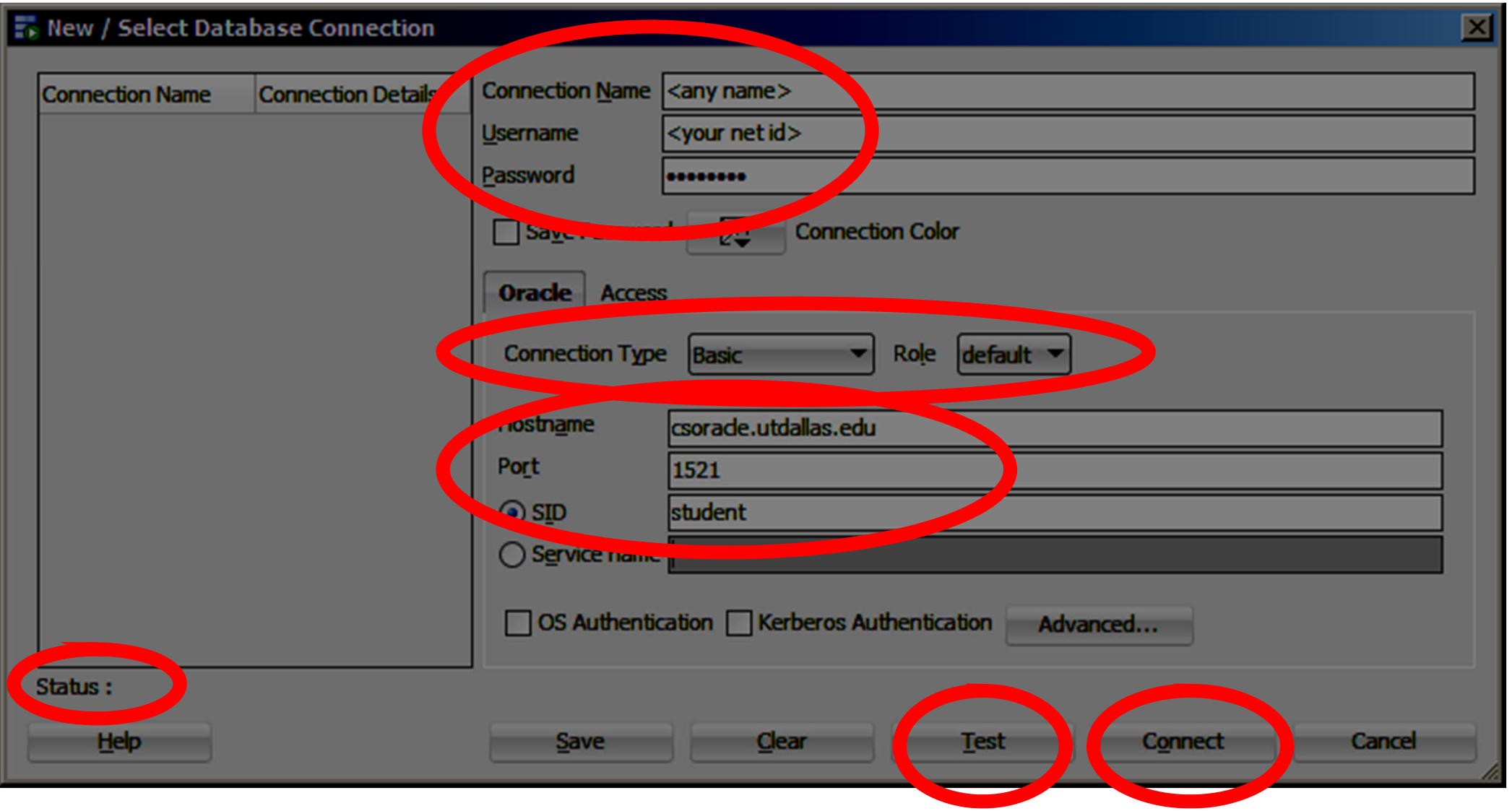
- Run oam.pl (continued):

```
{csoracle:~} oam.pl
Can't load '/usr/local/lib64/perl5/auto/DBD/Oracle/Oracle.so' for module DBD::Orac
 at /usr/local/bin/oam.pl line 11
Compilation failed in require at /usr/local/bin/oam.pl line 11.
BEGIN failed--compilation aborted at /usr/local/bin/oam.pl line 11.

{csoracle:~} LD_LIBRARY_PATH=/opt/oracle/app/csoracle/product/12.1.0/dbhome_1/lib
{csoracle:~} ORACLE_BASE=/opt/oracle/app/csoracle
{csoracle:~} ORACLE_HOME=/opt/oracle/app/csoracle/product/12.1.0/dbhome_1
{csoracle:~} ORACLE_SID=student
{csoracle:~} export LD_LIBRARY_PATH ORACLE_BASE ORACLE_HOME ORACLE_SID

{csoracle:~} oam.pl
Creating Oracle account for 'YOUR_NETID'.
Please Enter Password for Your Account :
Confirm Password :
```

Oracle SQL Developer

- Recommended
- Download address:
  - http://www.oracle.com/technetwork/developer-tools/sql-developer/downloads/index.html
- Accept license and click download
- Create account and verify email address
- Download and decompress
- Double click: sqldeveloper.exe


Oracle SQL Developer : Start Page
File Edit View Navigate Run Team Tools Window Help
Connections
Connections
Cloud Connections
Reports
All Reports
Data Dictionary Repor
Data Modeler Reports
OLAP Reports
TimesTen Reports
User Defined Reports
Start Page
ORACLE
SQL DEVELOPER
Get Started
Overview Video
What's New
Release Notes
Documentation
SQL Developer on OTN
Featured Tutorials
Optimizer Access Paths
SQL Tuning Advisor
Working with Tuning Utilities
All Online Tutorials


New / Select Database Connection
Connection Name
Connection Details
Connection Name
<any name>
Username
<your net id>
Password
Connection Color
Oracle
Access
Connection Type
Basic
Role
default
Hostname
csoracle.utdallas.edu
Port
1521
SID
student
Service name
OS Authentication
Kerberos Authentication
Advanced...
Status :
Help
Save
Clear
Test
Connect
Cancel

Oracle SQL Developer

- Create connection:
  - Connection name: <any name you want>
  - Username: <your netid>
  - Password: <the password you just set in oam.pl>
  - Connection type: basic
  - Role: default
  - Hostname: csoracle.utdallas.edu
  - Port: 1521
  - SID: student

Oracle SQL Developer

- Create connection (continued):
  - Click test and check if status shows success
  - Click connect
  - Done

Useful Resources

- CS oracle help:
  - http://cs.utdallas.edu/about/oracle-help/
- Oracle SQL Developer:
  - http://www.oracle.com/technetwork/developer-tools/sql-developer/overview/index.html
- SQL
  - http://www.w3schools.com/sql/