UMUC DBST AWS DaaS Platform

UMUC DBST class labs are hosted on an Amazon Web Services (AWS) Database as a Service (DaaS) platform which can be accessed using Google Chrome or Mozilla Firefox browsers.

All class tools including Oracle SQL Developer, Oracle Data Modeler and ER Assistant are on the AWS DaaS platform.

If you're currently logged in to your UMUC classroom, your UMUC username and password will be used to access the AWS DaaS platform

Access UMUC DBST AWS DaaS Platform

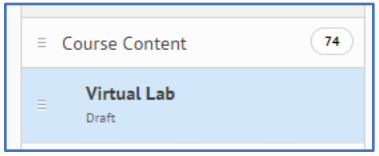
You can access the UMUC DBST AWS DaaS platform from the "Virtual" lab area of your classroom

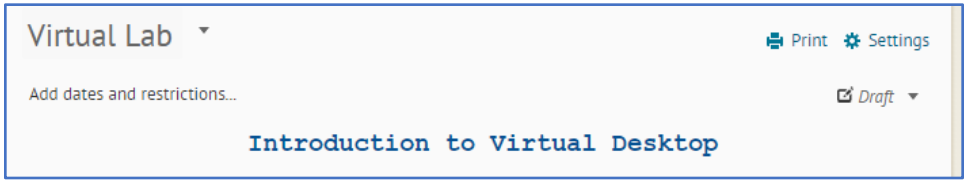
1. Use https://learn.umuc.edu to access your classroom

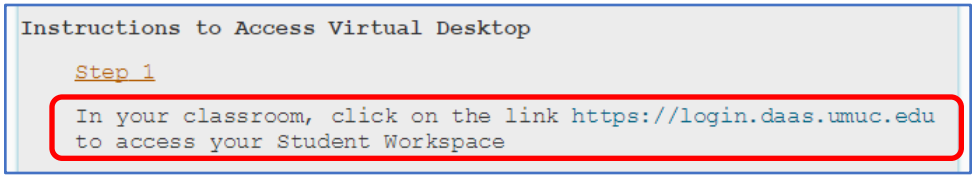
Click **Course Content** -> **Virtual Lab** to see the "Introduction to Virtual Desktop"

Read the directions carefully as there can be changes made during the semester

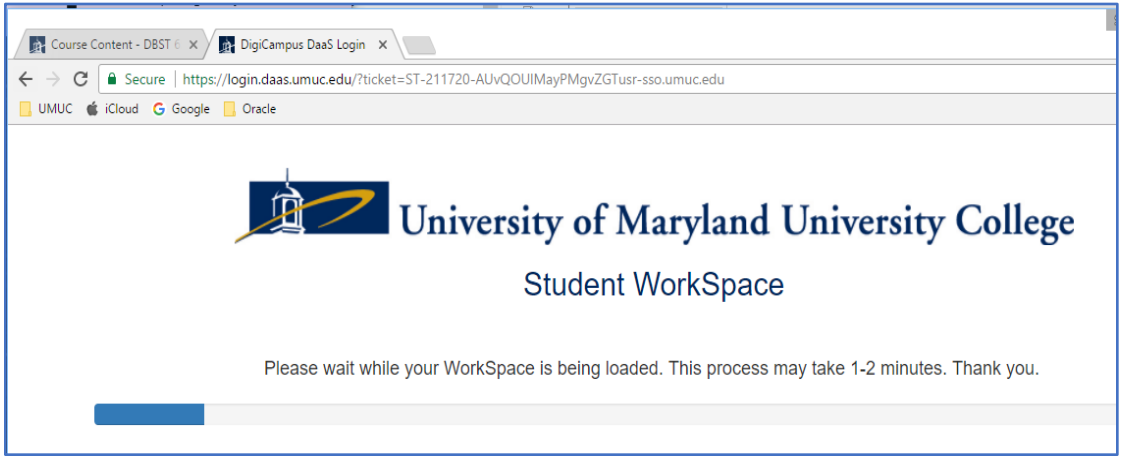
The DBST AWS DaaS platform link is located under "Step 1". Click the link to begin







2. The "DigiCampus DaaS Login" -> **Student Workspace** will start



Access UMUC DBST AWS DaaS Platform - Continued

The UMUC DBST AWS platform brings you a fully functional Windows 7 desktop

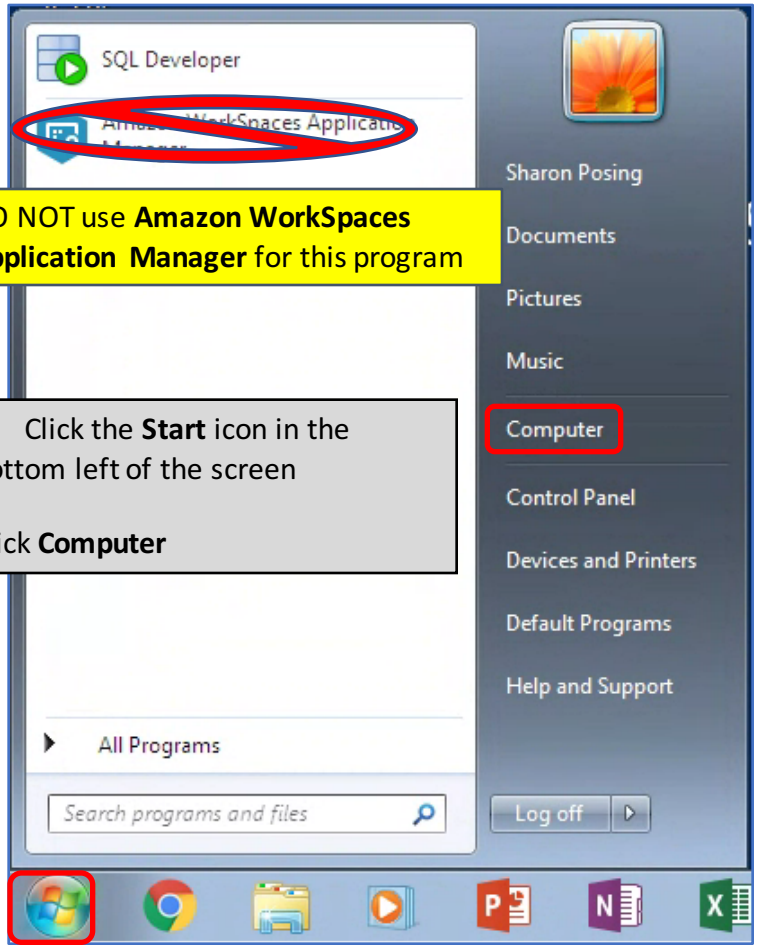
The first time you log into the UMUC DBST AWS platform, you'll need to wait 10-15 minutes before all software is fully set up on your AWS desktop.

When the **UMUC Labs** and **Lab Resources** icons appear, you're ready to begin exploring your AWS desktop.

NOTE: You cannot copy/paste between your personal computing device and UMUC DBST AWS platform

You can use the UMUC DBST AWS Google Chrome browser to access your email account to open files you send to yourself

Access UMUC DBST AWS DaaS Platform - Continued



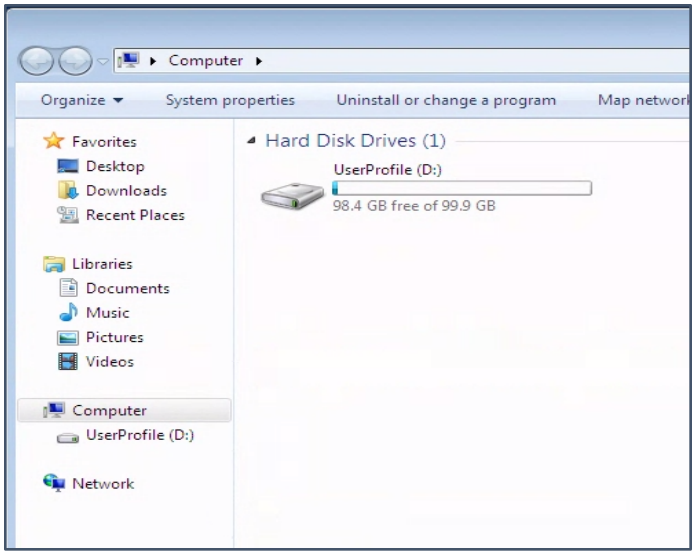
DO NOT use **Amazon WorkSpaces Application Manager** for this program

3. Click the **Start** icon in the bottom left of the screen

Click **Computer**

4. You should see a "UserProfile (D:)" drive

Double click it

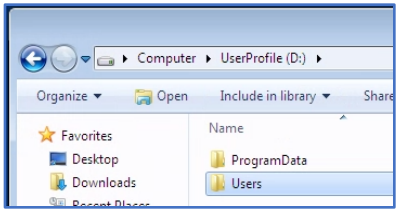


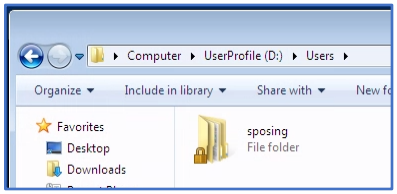
Find Your Personal Drive

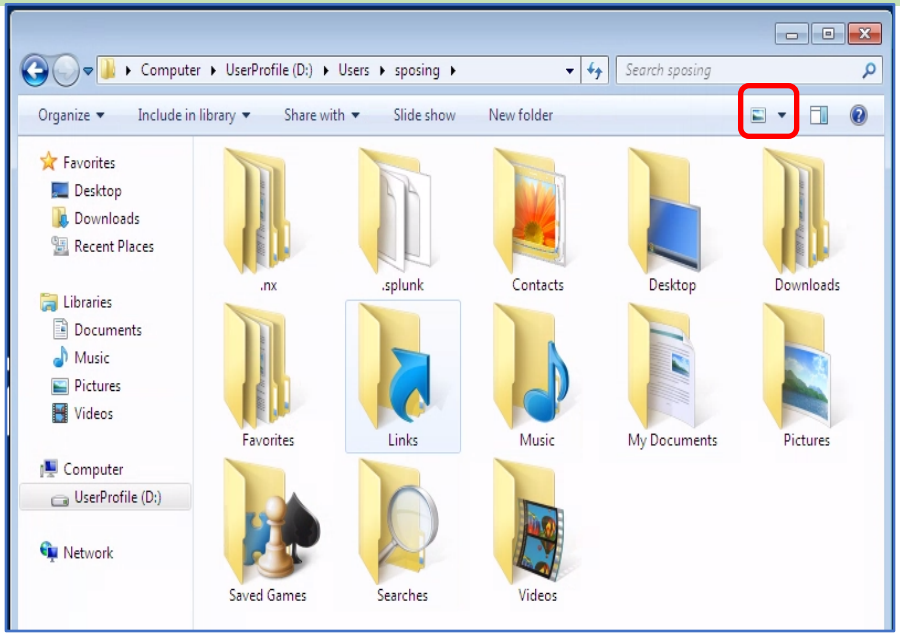
5. Double click **Users**

Double click on your UMUC login name

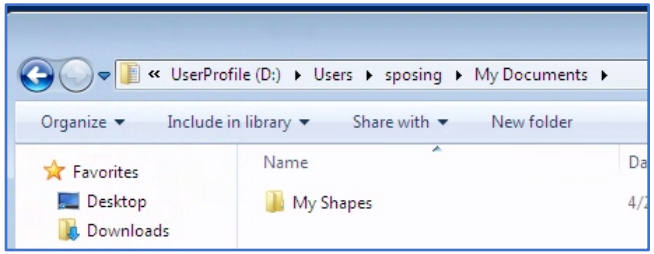
You should see a standard set of Microsoft Windows folders. You can change the display format by clicking the 3rd icon from the left and choosing a setting you prefer



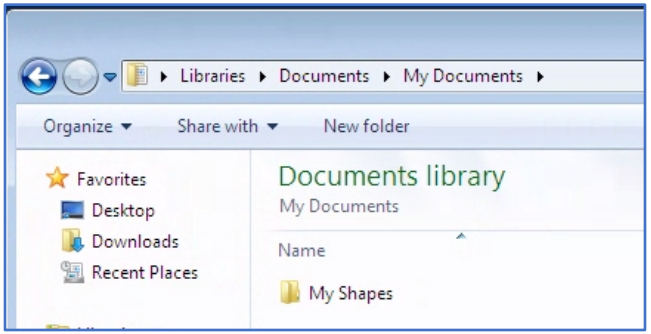




6. Computer -> UserProfile (D:) -> Users -> [your login] -> My Documents



is the same as: Libraries -> Documents

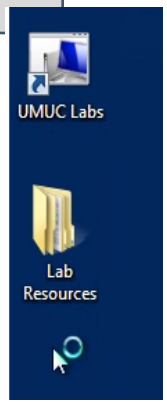


Set Up Your Oracle Database Connection

You need to set up your database connection only once

7. Double-click **UMUC Labs**

You'll notice the cursor "clocking" as it launches the **Lab Broker**



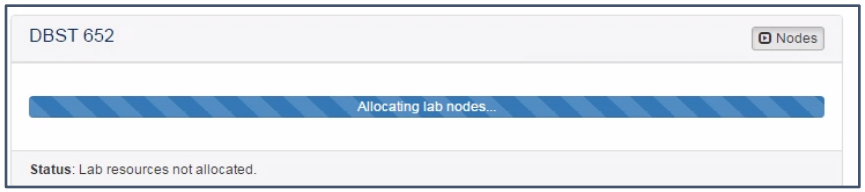
8. Look for your class and click on it to expand your class window

For this tutorial, "DBST 652" is selected.

If your "Lab Broker" initialization process "clocks" or gets stuck for more than 5 minutes, you may need to reboot your AWS session. See "Additional Information" slide at the end of this PPT deck.

Set Up Your Oracle Database Connection - Continued

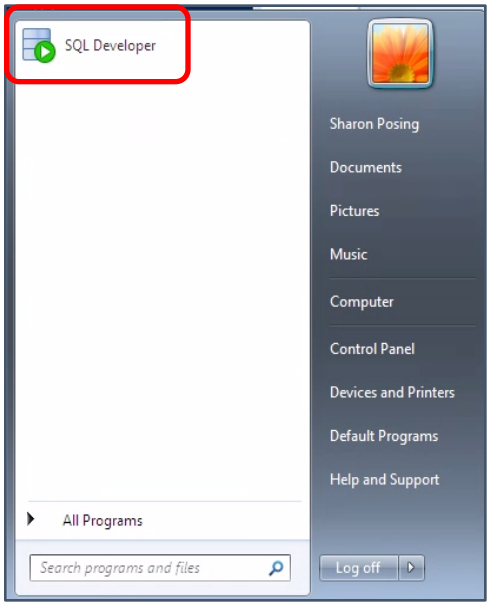
9. This process will set up your personal installation of Oracle Database 12c Enterprise Edition



10. Once your lab has been allocated, you'll see an IP address. Copy this address for use in creating a SQL Developer connection to your Oracle database.

NOTE: Do not use the "Connect" button for the DBST courses EXCEPT DBST670.

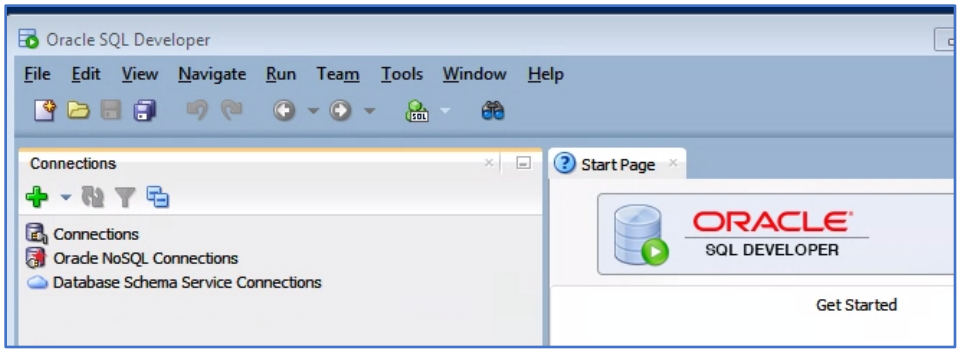
11. Go to **Start -> SQL Developer**

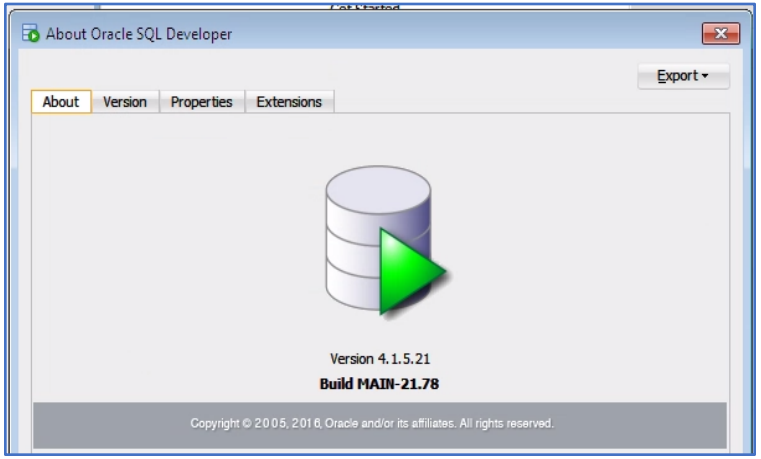


Set Up Your Database Lab - Continued

12. SQL Developer should start

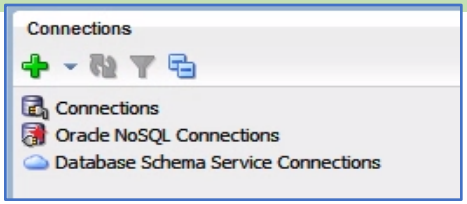
The **Start Page** tab has "Get Started" references you can use





Set Up Your Oracle Database Connection

13. Under **Connections**, click on the green "plus" (+) icon

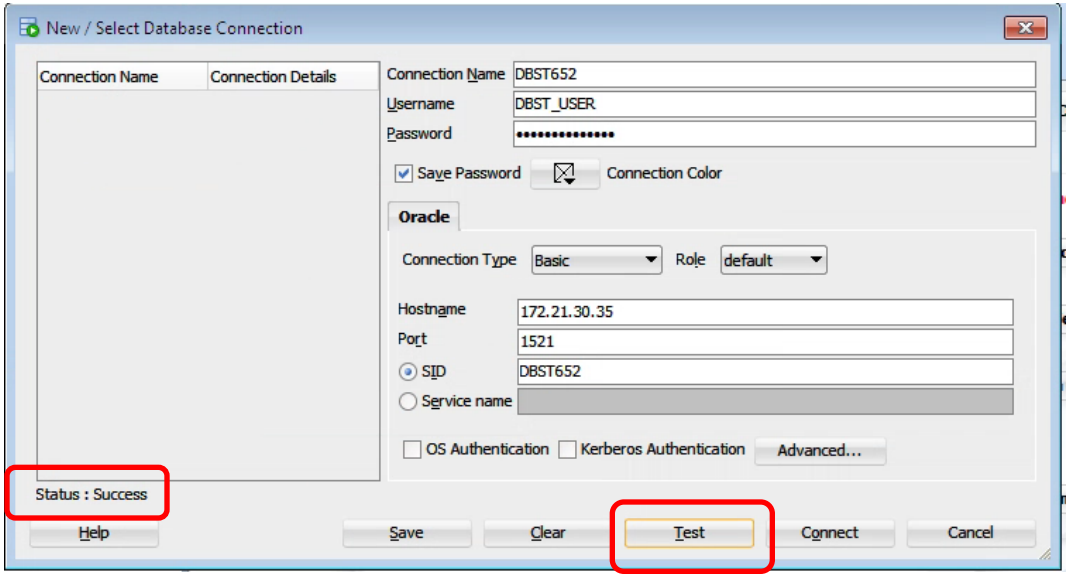


14. Enter the information needed to make a connection to your Oracle database.

NOTE: "DBST652" shown here in this example.

- Connection Name: **DBST**{{Your class number}}
- Username: **DBST_USER**
- Password: **SecurePassword**

  Note to type this password in as you see it; DO NOT make up your own password
- Hostname: Enter your Lab Broker "node" IP address
- Port: **1521**
- SID: **DBST**{{Your class number}}



15. Click **Test**

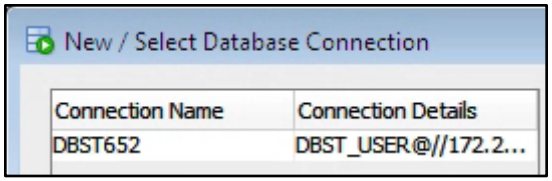
If you see "Status : Success", click **Save**

If you see anything else, review your information and update it. Post any issues to your classroom for your Instructor or TA to review (follow classroom guidance for where to post).

Set Up Your Oracle Database Connection - Continued

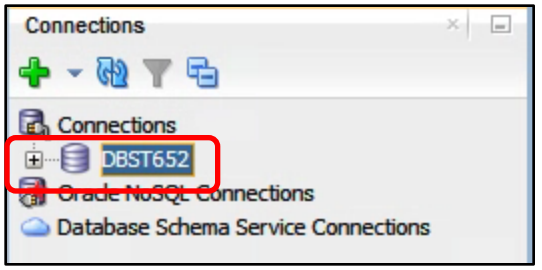
16. You should see a connection entry in the left window

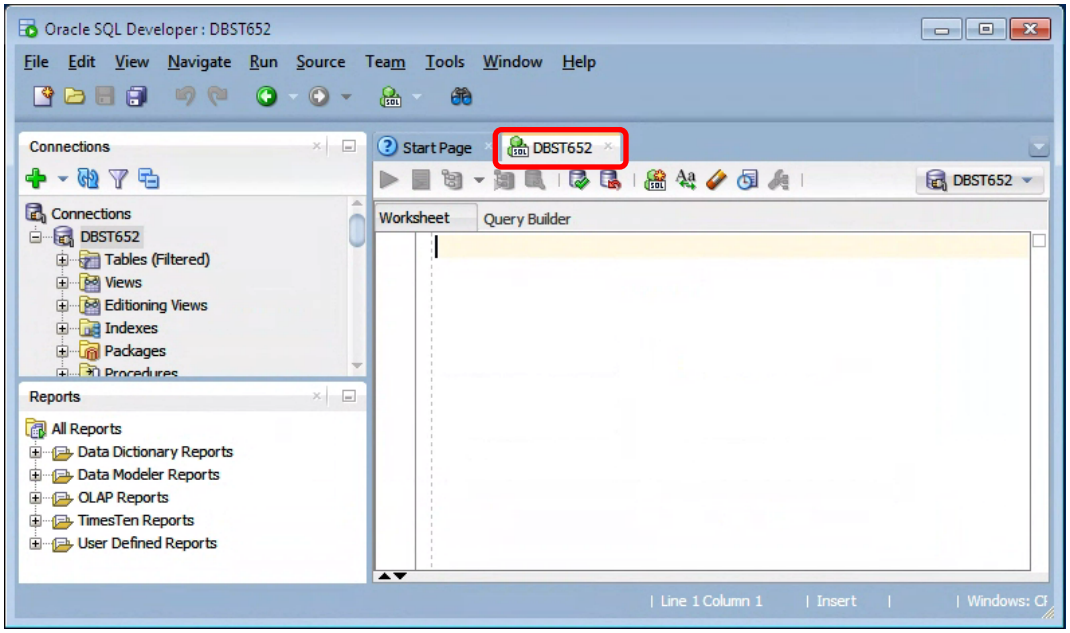
Click **Cancel** to close the screen



17. You should now see your connection listed under **Connections**

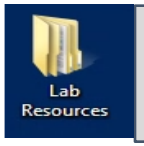
Double click the new connection





18. Oracle SQL Developer, will open the new connection as a tab on the screen

Additional Information



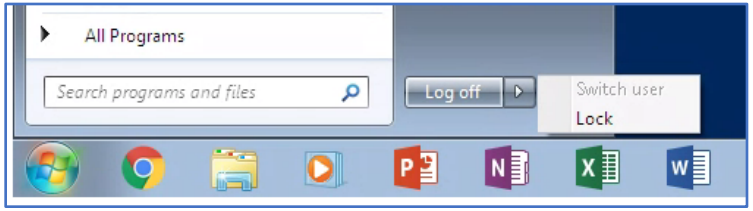
Lab Resources contains shortcuts to other tools used in this lab

PuTTY is a tool used to access your database using a command line user interface. Use of this tool is covered in another tutorial.

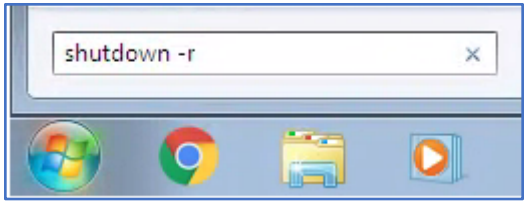
Google Chrome can be used to open the UMUC classroom or your personal email box to access files you've emailed to yourself for use in the lab area

Restart Your AWS Desktop

Your AWS desktop is a remote one. If you click the **Start** button, then the arrow next to "Log Off", you won't see a "Restart" button like you would on your personal Windows device.



To restart your AWS desktop, click the AWS desktop **Start button**, then type: **shutdown –r** [Hit the Enter key]



You'll get a notice of shutdown, then AWS will disconnect. Wait 5 minutes then try to reconnect to AWS.