

Oracle 11g Installation Experience

(Updated May 2016)

Peter Ping Liu

The following documented my experience with installation of Oracle 11g enterprise edition. Please note that your experience may vary depending upon your system. I used a pretty old machine to illustrate the point. Most likely, your computer is newer than mine here.

Computer: EIU# 154862



Windows XP Professional, SP 3

1. Use the following link to download Oracle Enterprise Edition 11g:

<http://www.oracle.com/technology//index.html>

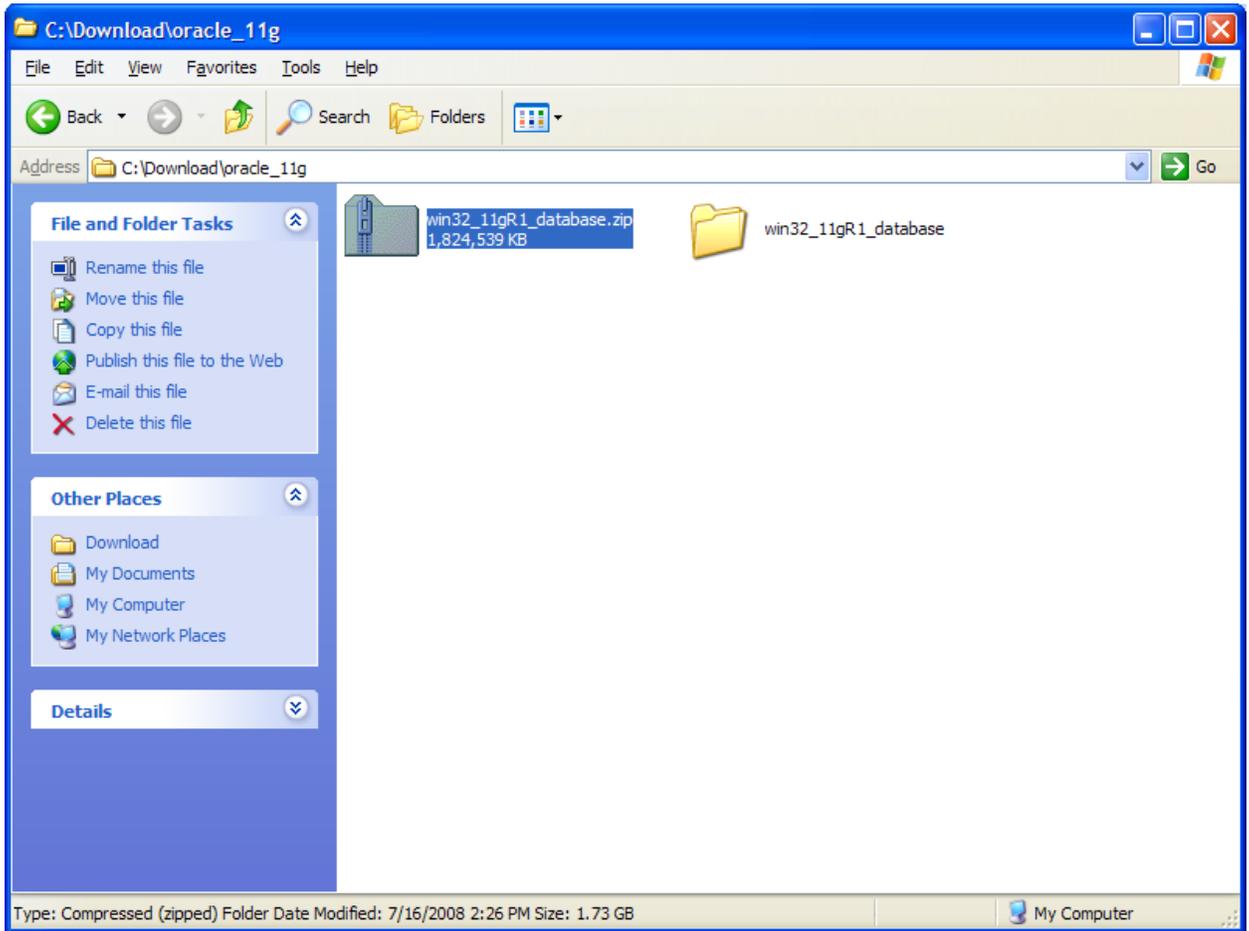
The screenshot shows the Oracle Technology Network website. The main navigation bar includes links for GETTING STARTED, DOWNLOADS, DOCUMENTATION, FORUMS, ARTICLES, SAMPLE CODE, and TUTORIALS. The 'RECENTLY POSTED' section features several articles:

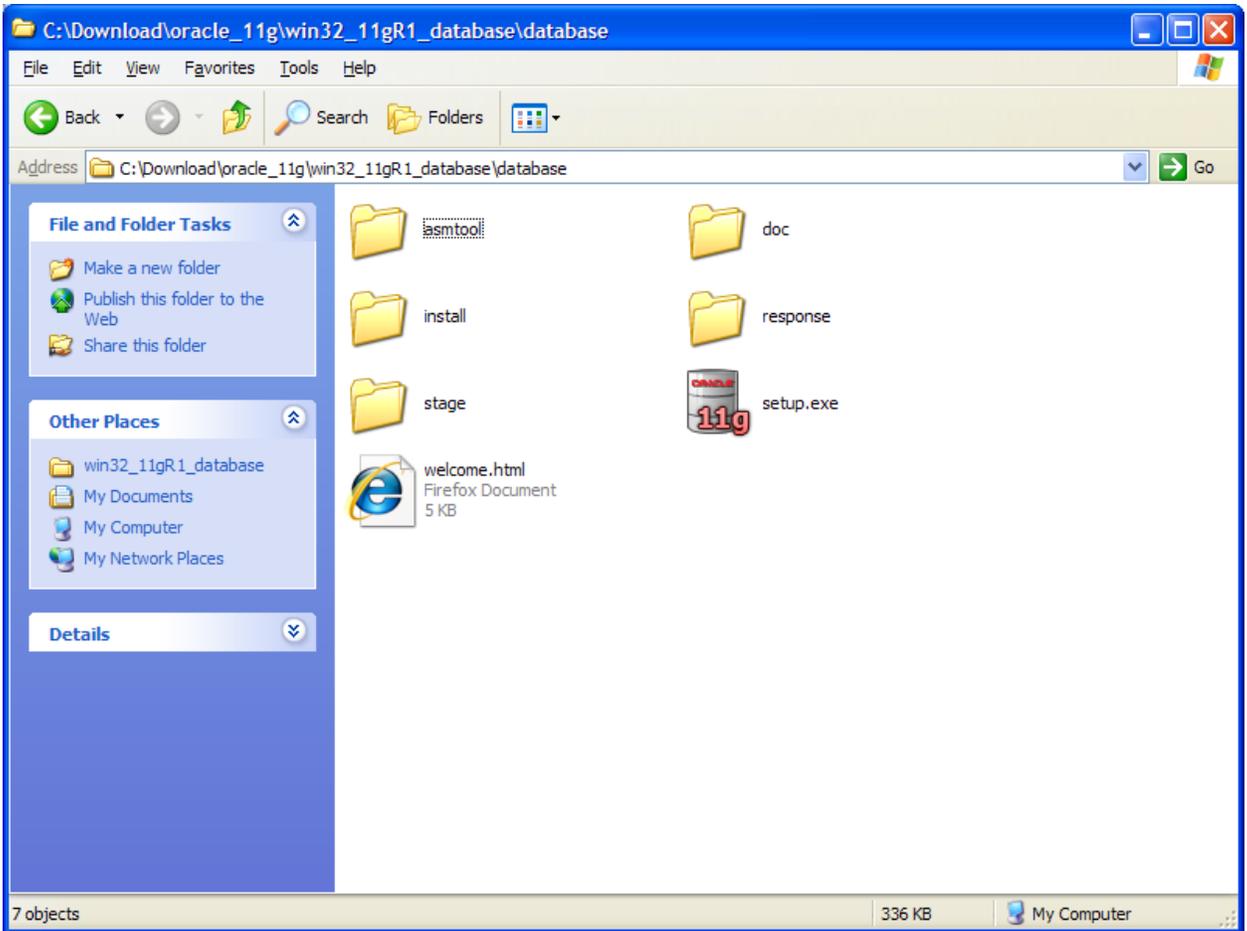
- Technical White Paper: OCI Development Tips and Techniques**: Get guidelines and pointers for building efficient drivers for accessing the Oracle Database using key technologies such as OCI. Posted 7/14/08 10:20:45 GMT.
- Download Oracle WebLogic Server, Oracle JRockit, and More**: Many BEA-related products in the Oracle Fusion Middleware family are now available for download under the OTN Developer License. Posted 6/30/08 16:11:16 GMT.
- We Love Architects: Explore New Architecture Centers**: OTN is adding an "Architect" focus to the community, with new centers covering expanded SOA (including governance), Extreme Transaction Processing, Virtualization (Oracle VM - JRockit), and Enterprise 2.0. Posted 6/30/08 10:10:43 GMT.

There are also sections for 'FEATURED DOWNLOADS' (including Oracle Database 11g Release 1, Oracle WebLogic Server, Oracle JRockit, Oracle VM Free product, Oracle SQL Developer Free product, and Oracle Database XE Free product) and 'DEVELOPER EVENTS' (including OTN Developer Day, Fusion Development Experience, Oracle Technology Day, DBA 2.0, and Enterprise 2.0 Boot Camp).

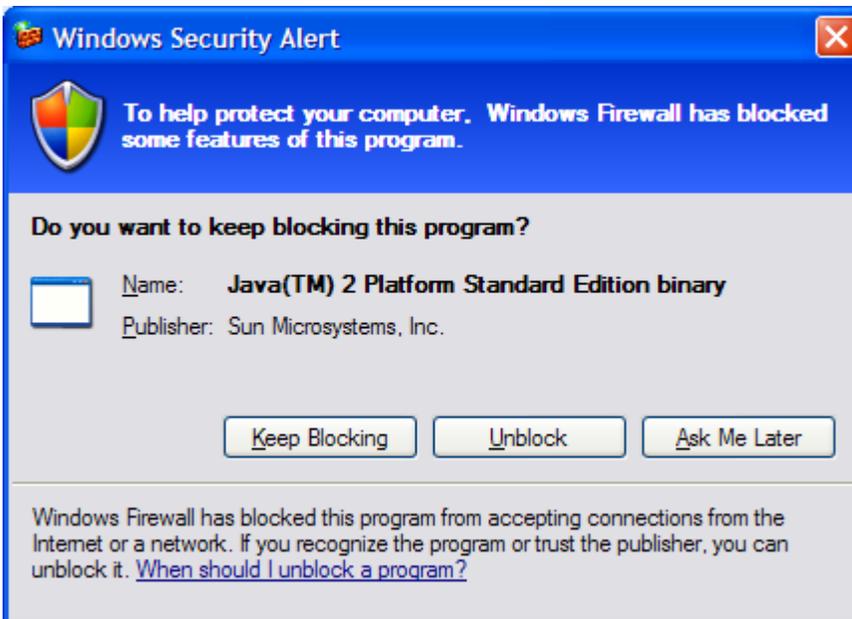
2. Select Downloads—Database
3. Select Microsoft Windows (32 bit): The 64 bit operating system for Windows has become common. Please check your system before you make your decision. For my case, I selected "Oracle Database 11g Release 1 (11.1.0.6.0) for Microsoft Windows (32-bit)."
4. You will need to create a user account in order to download software. EIU has a corporate license agreement with Oracle. Thus, you may legally download and use the Oracle products for our academic purpose.
5. You need to accept the license agreement and download the zip file into your computer. Please note the download is a time consuming process. The file size is about 1.73 GB as of release 1. Plan accordingly.

6. You need to unzip (extract) the zip file. For example, lused “Extract All.” You will see something as follows.

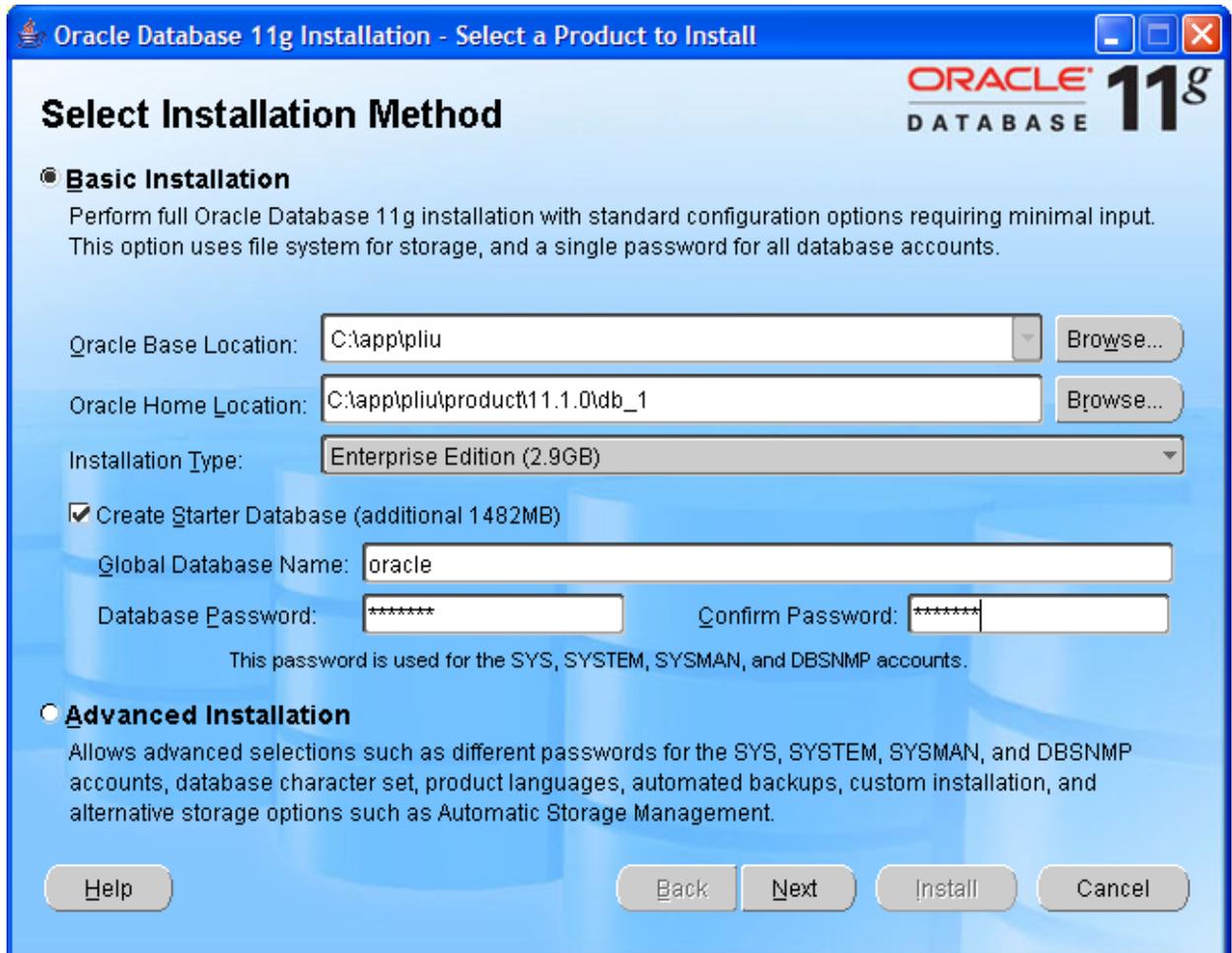




7. When you start running a program, you may encounter the security alert such as the one that follows. Click "Unblock."



8. Double click the setup.exe to run the Oracle Universal Installer.

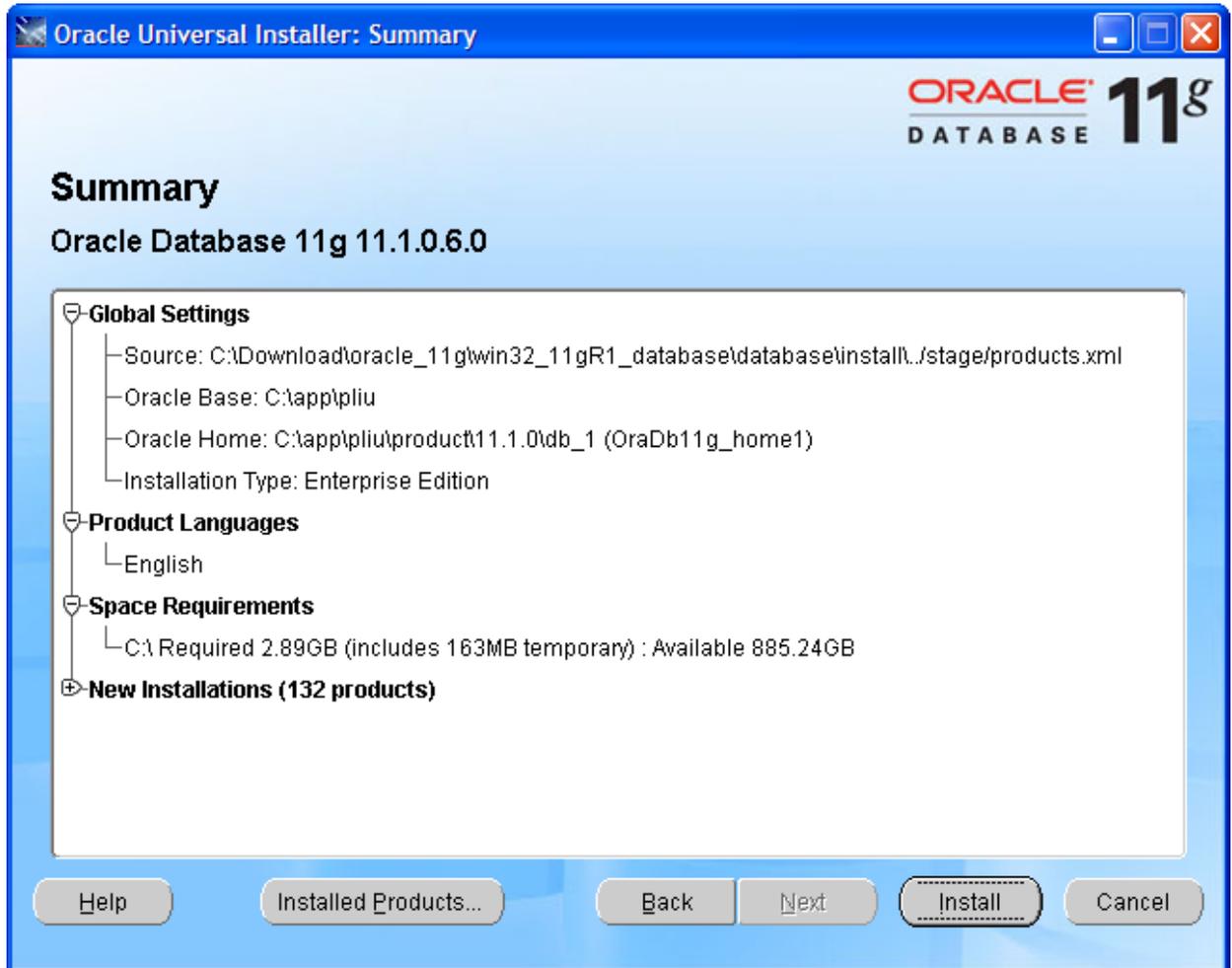


9. I chose Basic Installation. Please take a note on the password you entered. This password will be needed in the future for you since it applies to SYS, SYSTEM, and DBSNMP users.

My Global Database Name was oracle. You may use different name if you like (the default was orcl).

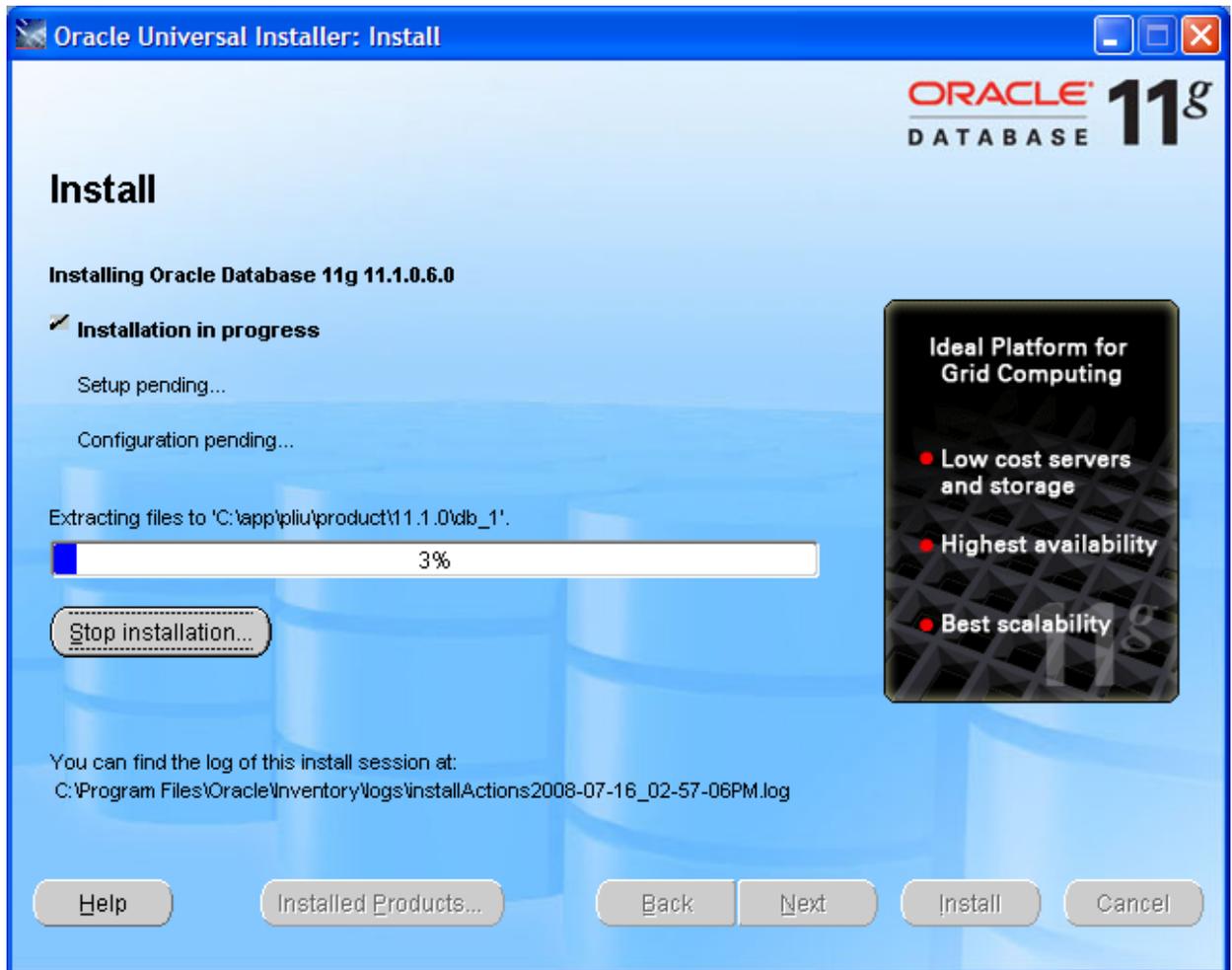
10. Click Next. The installer checks all system requirement. For my system, everything succeeded with a warning on network. Since this is only used as a development environment, it does not affect. Click Next.

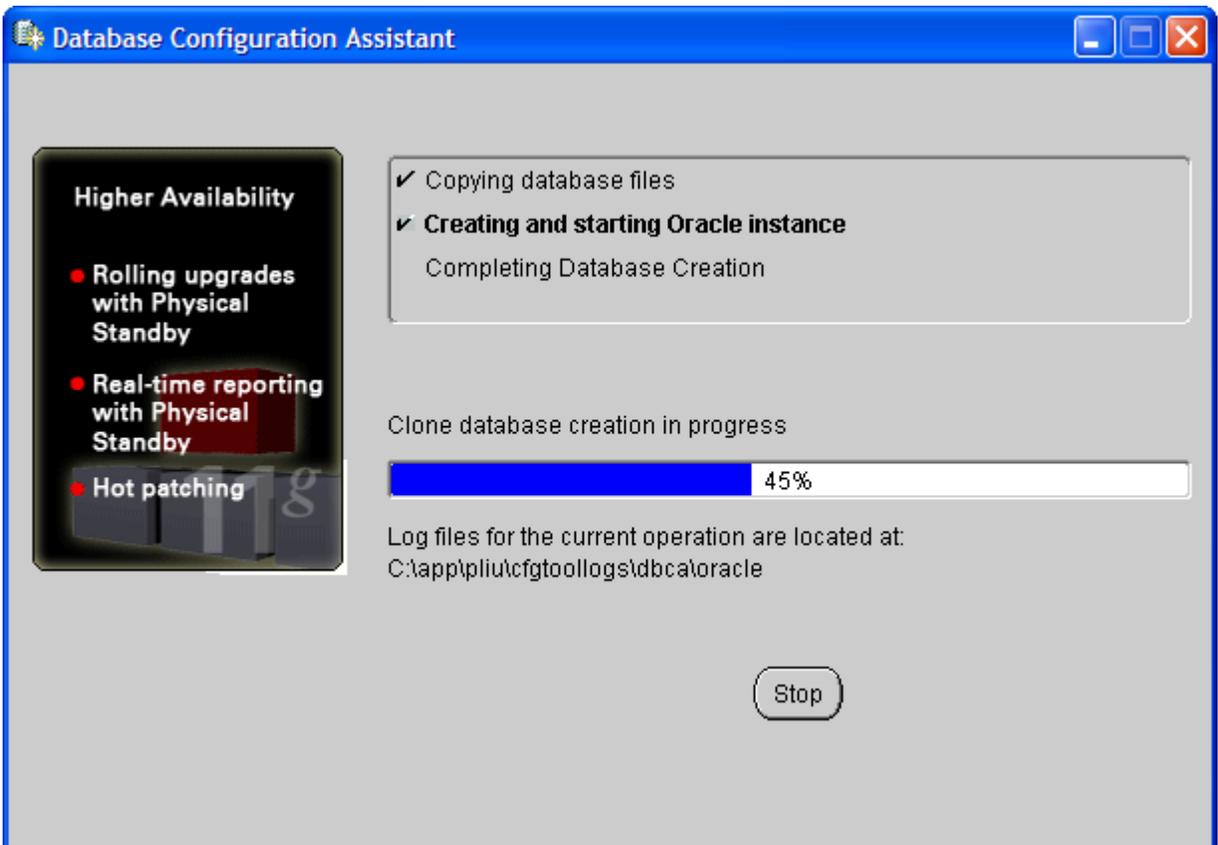
11. You may skip the Oracle Configuration Manager Registration. Metalink is meant to organizations with service agreement with Oracle. Click Next.



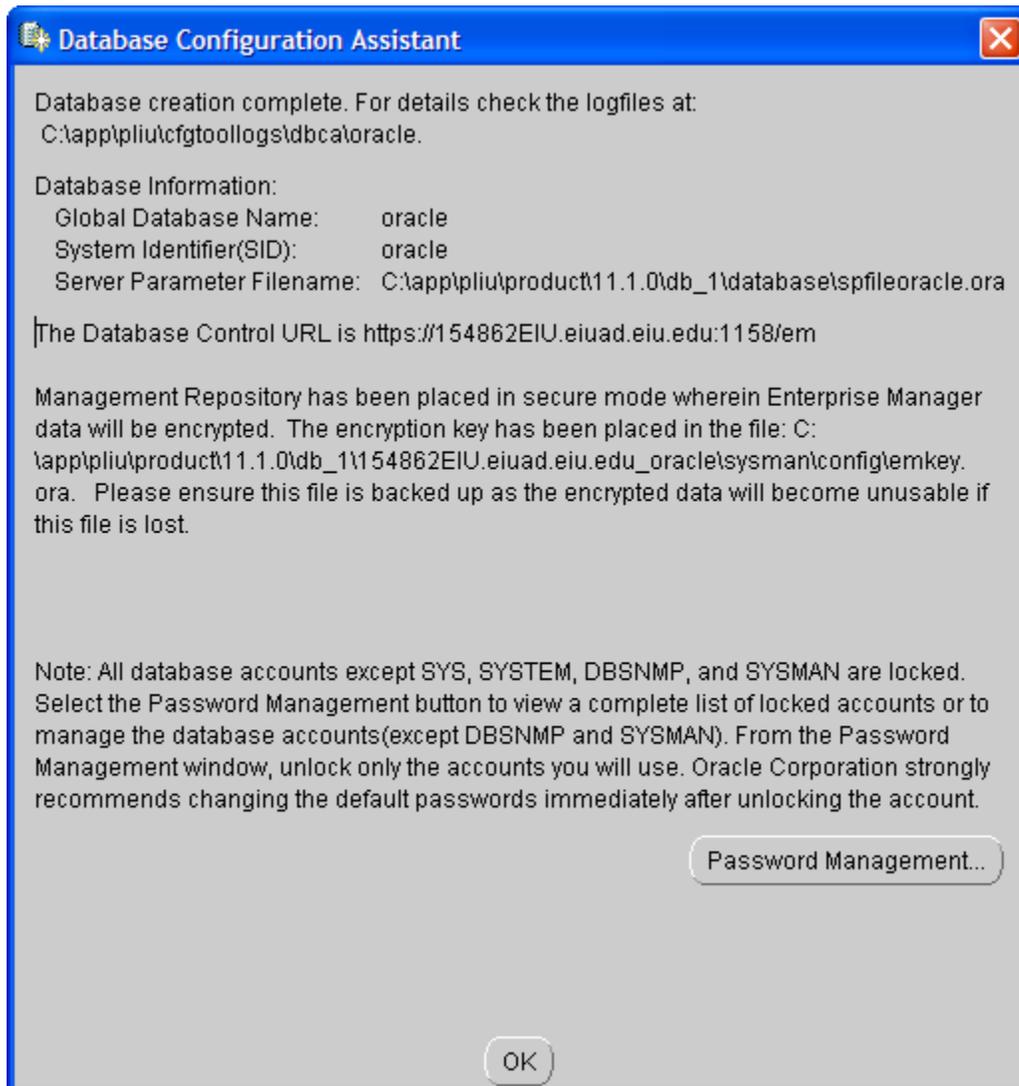
12. After reviewing the product list, click Next.

13. You may watch all the promotions from Oracle as the installer cranks the computer.

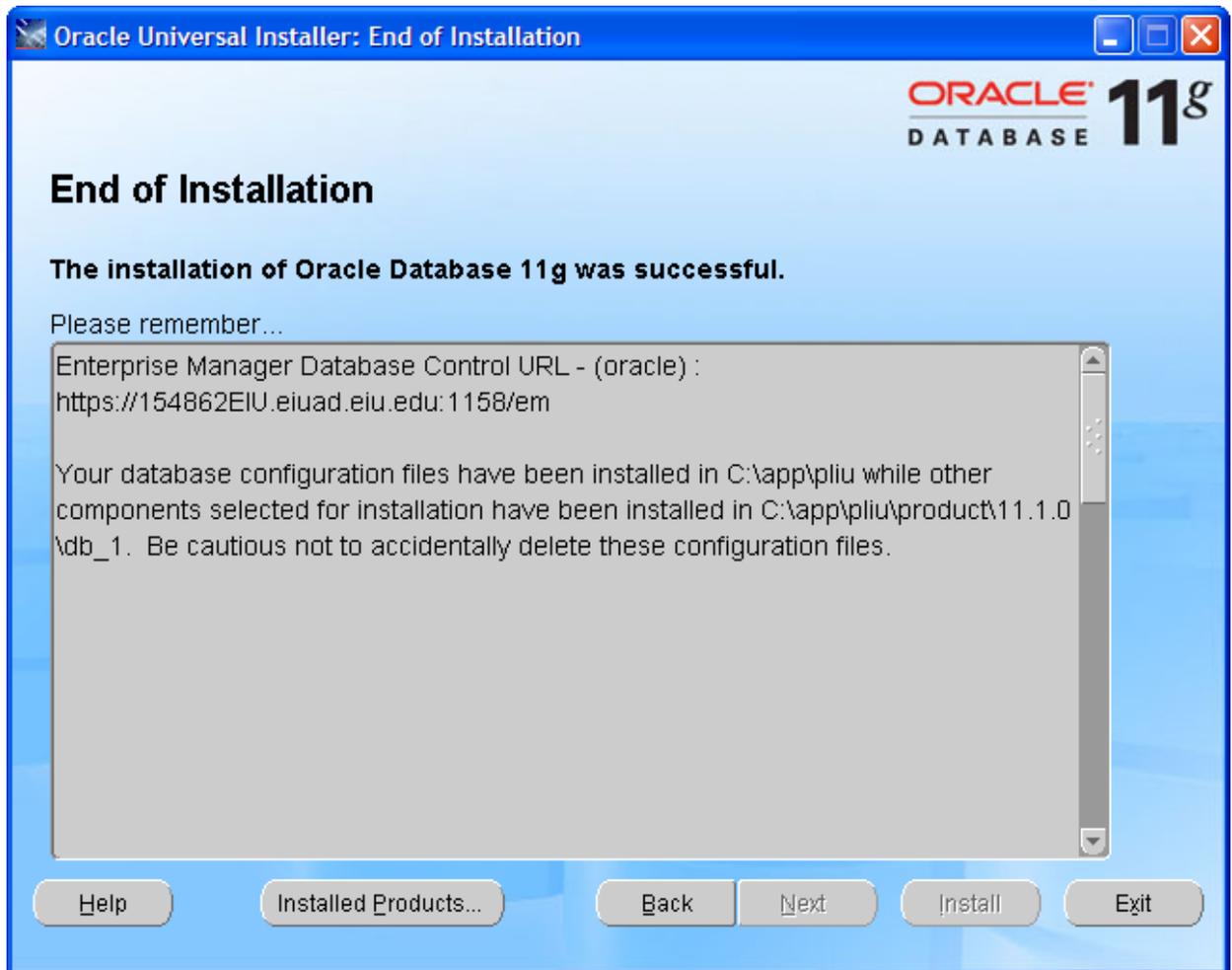




14. The following page has valuable information regarding your database, particularly on Oracle Enterprise Manager (EM). Please do a screen shot and save it somewhere.



15. Click "OK."



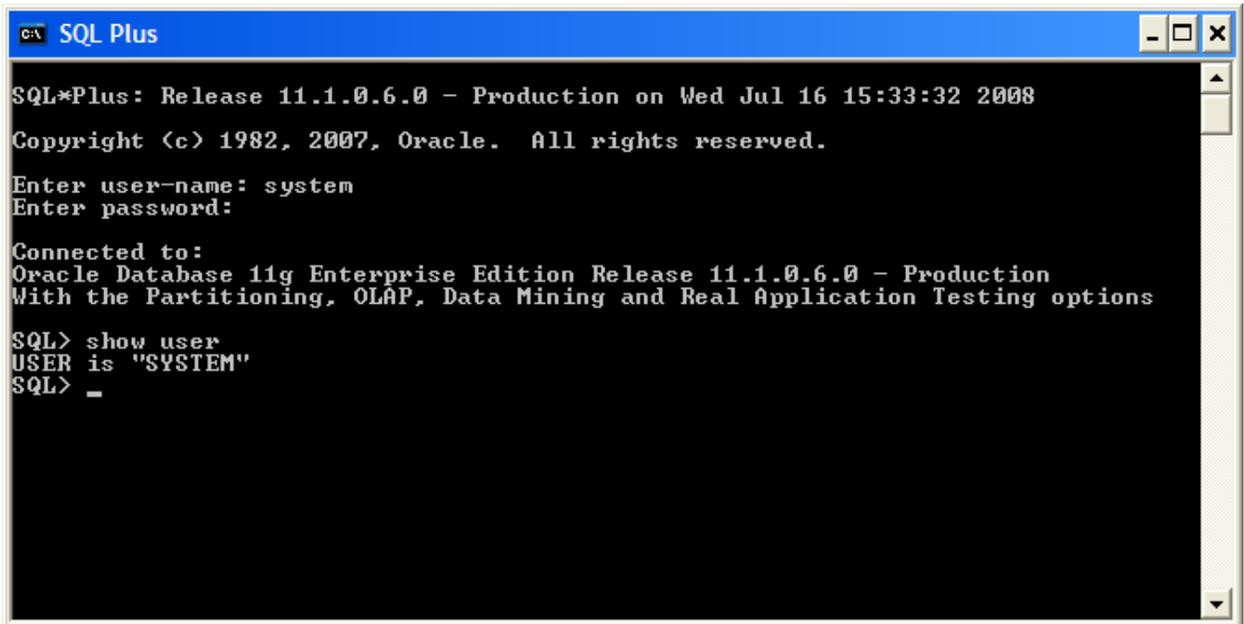
I would copy the following message and save them for future reference.

Enterprise Manager Database Control URL - (oracle) :
<https://154862EIU.eiuad.eiu.edu:1158/em>

Your database configuration files have been installed in C:\app\pliu while other components selected for installation have been installed in C:\app\pliu\product\11.1.0\db_1. Be cautious not to accidentally delete these configuration files.

16. Click "Exit" and confirm it.
17. You may test your database access after installation. You may go: Start—All Programs—Oracle—Application Development—SQL Plus. Login with user name: system, and password (you entered earlier during installation.)

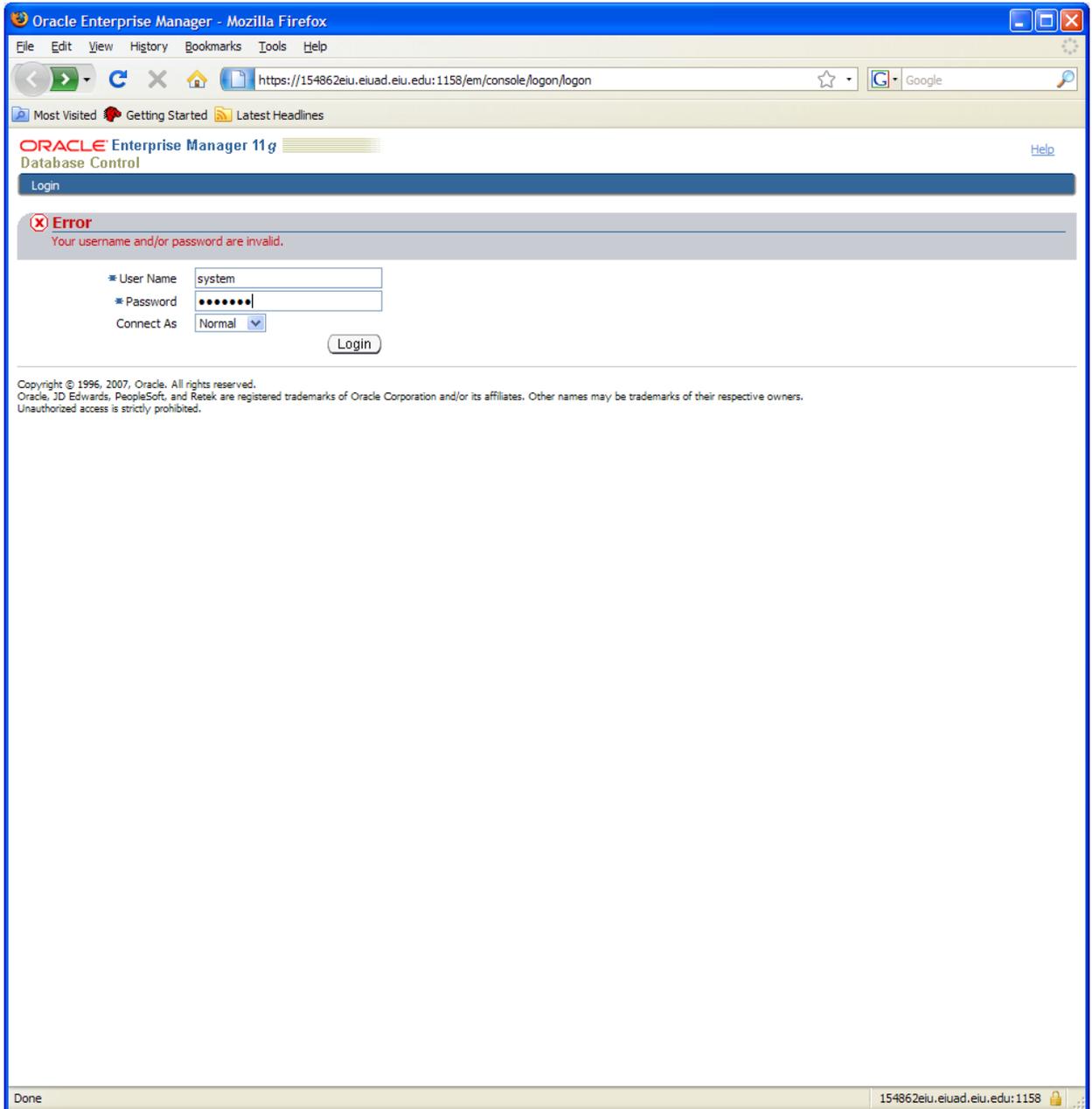
18. After login, you may type "Show User." The result will be similar to the following.



```
c:\ SQL Plus
SQL*Plus: Release 11.1.0.6.0 - Production on Wed Jul 16 15:33:32 2008
Copyright (c) 1982, 2007, Oracle. All rights reserved.
Enter user-name: system
Enter password:
Connected to:
Oracle Database 11g Enterprise Edition Release 11.1.0.6.0 - Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options
SQL> show user
USER is "SYSTEM"
SQL> _
```

19. I noticed that in my installation, the SQL Plus for windows no longer comes with Oracle 11g. I do not understand why. Well, for the time being, as long as we have the above screen, we are still ok.
20. You may also login Oracle Enterprise Manager (EM), in microcomputer installation, which is also known as Database Control Console. Use the following link in your browser (Internet Explorer or Firefox).

21. You may use user name of “system”, and password you entered earlier, and connect as normal.



22. Oracle Enterprise Manager is a graphic user interface (GUI) for managing the database. You will have some experience with it. However, it does not require a class to run it. Thus, it is not the

emphasis of this class.

Oracle Enterprise Manager (SYSTEM) - Database Instance: oracle - Mozilla Firefox

File Edit View History Bookmarks Tools Help

https://154862eiu.eiud.eiu.edu:1158/em/console/database/instance/sitemap?event=doLoad&target=o

Most Visited Getting Started Latest Headlines

ORACLE Enterprise Manager 11g Database Control

Setup Preferences Help Logout Database

Logged in As SYSTEM

Database Instance: oracle

Home Performance Availability Server Schema Data Movement Software and Support

Latest Data Collected From Target Jul 16, 2008 3:54:30 PM CDT Refresh View Data Automatically (60 sec)

General

Shutdown Black Out

Status **Up**

Up Since **Jul 16, 2008 3:21:35 PM CDT**

Instance Name **oracle**

Version **11.1.0.6.0**

Host [154862EIU.eiud.eiu.edu](#)

Listener [LISTENER_154862EIU.eiud.ei...](#)

[View All Properties](#)

Host CPU

Load [5.00](#) Paging [0.32](#)

Active Sessions

Maximum CPU **2**

SQL Response Time

SQL Response Time (%) **40.61**

[Edit Reference Collection](#)

Diagnostic Summary

ADDM Findings **No ADDM run available**

Alert Log [No ORA- errors](#)

Active Incidents **0**

[Database Instance Health](#)

Space Summary

Database Size (GB) [1,541](#)

Problem Tablespaces **0**

Segment Advisor Recommendations **0**

Policy Violations **0**

Dump Area Used (%) [5](#)

High Availability

Instance Recovery Time (sec) [15](#)

Last Backup **n/a**

Usable Flash Recovery Area (%) [100](#)

Flashback Database Logging [Disabled](#)

Alerts

Category **All** Go Critical **0** Warning **0**

Severity	Category	Name	Impact	Message	Alert Triggered
(No alerts)					

Related Alerts

Policy Violations

All **16** Critical Rules Violated **13** Critical Security Patches **0** Compliance Score (%) **90**

Job Activity

Jobs scheduled to start no more than 7 days ago

Scheduled Executions **0** Running Executions **0** Suspended Executions **0** Problem Executions **0**

Home Performance Availability Server Schema Data Movement Software and Support

Related Links

[Access](#) [Advisor Central](#) [Alert History](#)

[Alert Log Contents](#) [All Metrics](#) [Baseline Metric Thresholds](#)

[Blackouts](#) [EM SQL History](#) [Jobs](#)

Done 154862eiu.eiud.eiu.edu:1158

23. You will have the following experience for your project 2: Click Server—Security—User

The screenshot shows the Oracle Enterprise Manager 11g interface in a Mozilla Firefox browser. The page title is "Oracle Enterprise Manager (SYSTEM) - Users - Mozilla Firefox". The browser address bar shows the URL: https://154862eiu.eiuad.eiu.edu:1158/em/console/database/databaseObjectsSearch?event=search&ot. The page content includes a search bar, a table of users, and navigation controls.

Search
 Enter an object name to filter the data that is displayed in your results set.
 Object Name

By default, the search returns all uppercase matches beginning with the string you entered. To run an exact or case-sensitive match, double quote the search string. You can use the wildcard symbol (%) in a double quoted string.

Selection Mode

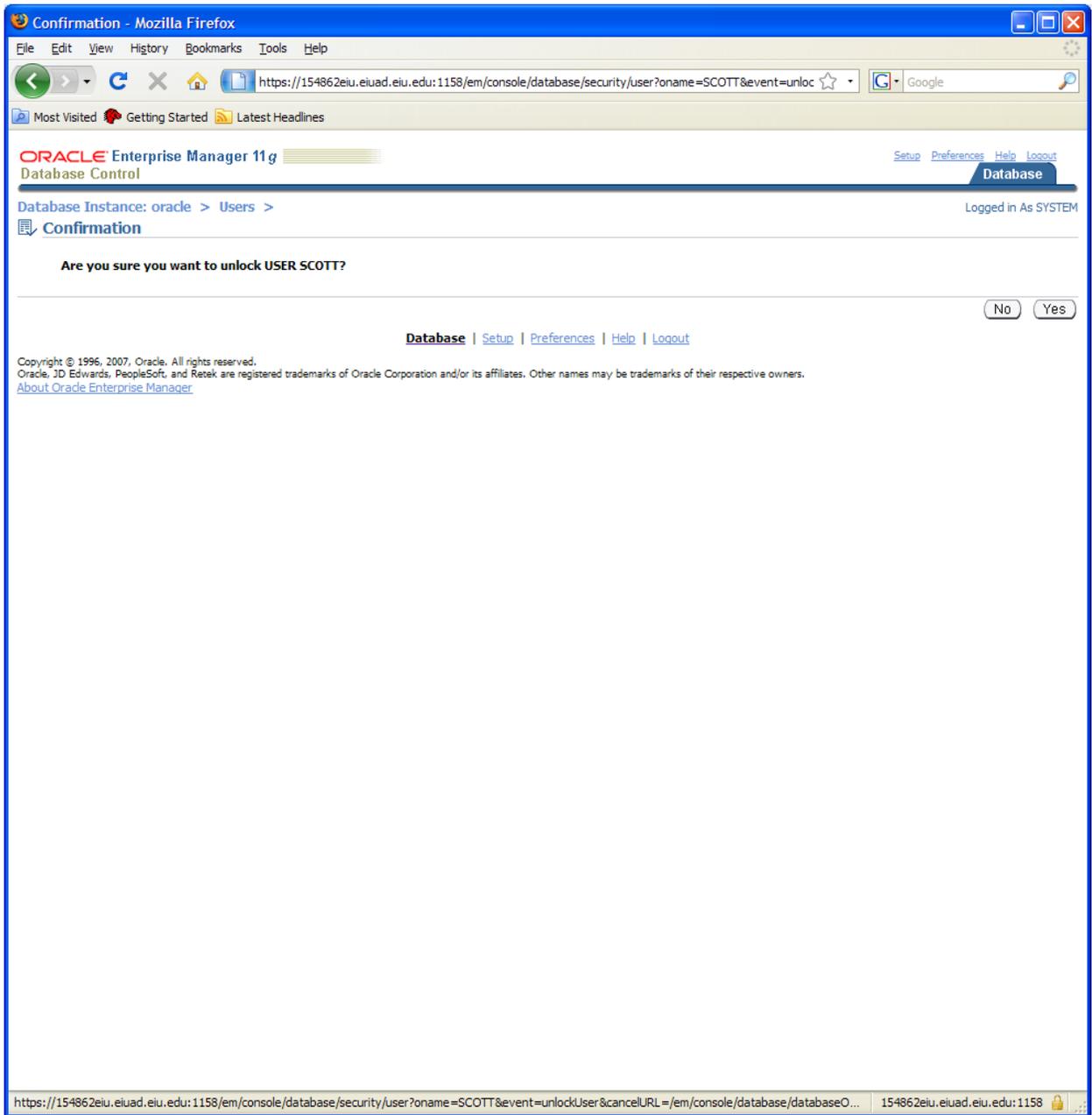
Actions: Previous 1-25 of 38 Next 13

Select	UserName	Account Status	Expiration Date	Default Tablespace	Temporary Tablespace	Profile	Created
<input type="radio"/>	ANONYMOUS	EXPIRED & LOCKED	Jul 16, 2008 3:21:22 PM CDT	SYSAUX	TEMP	DEFAULT	Oct 15, 2007 10:36:34 AM CDT
<input type="radio"/>	APEX_PUBLIC_USER	EXPIRED & LOCKED	Jul 16, 2008 3:21:22 PM CDT	USERS	TEMP	DEFAULT	Oct 15, 2007 11:06:44 AM CDT
<input type="radio"/>	BI	EXPIRED & LOCKED	Jul 16, 2008 3:21:22 PM CDT	USERS	TEMP	DEFAULT	Jul 16, 2008 3:19:32 PM CDT
<input type="radio"/>	CTXSYS	EXPIRED & LOCKED	Jul 16, 2008 3:21:22 PM CDT	SYSAUX	TEMP	DEFAULT	Oct 15, 2007 10:35:40 AM CDT
<input type="radio"/>	DBSNMP	OPEN	Jan 12, 2009 3:21:58 PM CST	SYSAUX	TEMP	MONITORING_PROFILE	Oct 15, 2007 10:23:30 AM CDT
<input type="radio"/>	DIP	EXPIRED & LOCKED		USERS	TEMP	DEFAULT	Oct 15, 2007 10:11:17 AM CDT
<input type="radio"/>	EXFSYS	EXPIRED & LOCKED	Jul 16, 2008 3:21:22 PM CDT	SYSAUX	TEMP	DEFAULT	Oct 15, 2007 10:35:14 AM CDT
<input type="radio"/>	FLows_030000	EXPIRED & LOCKED	Jul 16, 2008 3:21:22 PM CDT	SYSAUX	TEMP	DEFAULT	Oct 15, 2007 11:06:45 AM CDT
<input type="radio"/>	FLows_FILES	EXPIRED & LOCKED	Jul 16, 2008 3:21:22 PM CDT	SYSAUX	TEMP	DEFAULT	Oct 15, 2007 11:06:44 AM CDT
<input type="radio"/>	HR	EXPIRED & LOCKED	Jul 16, 2008 3:21:22 PM CDT	USERS	TEMP	DEFAULT	Jul 16, 2008 3:19:31 PM CDT
<input type="radio"/>	IX	EXPIRED & LOCKED	Jul 16, 2008 3:21:22 PM CDT	USERS	TEMP	DEFAULT	Jul 16, 2008 3:19:32 PM CDT
<input type="radio"/>	MDDATA	EXPIRED & LOCKED	Jul 16, 2008 3:21:22 PM CDT	USERS	TEMP	DEFAULT	Oct 15, 2007 10:50:35 AM CDT
<input type="radio"/>	MDSYS	EXPIRED & LOCKED	Jul 16, 2008 3:21:22 PM CDT	SYSAUX	TEMP	DEFAULT	Oct 15, 2007 10:40:33 AM CDT
<input type="radio"/>	MGMT_VIEW	OPEN	Jan 12, 2009 3:22:01 PM CST	SYSTEM	TEMP	DEFAULT	Oct 15, 2007 11:05:09 AM CDT
<input type="radio"/>	OE	EXPIRED & LOCKED	Jul 16, 2008 3:21:22 PM CDT	USERS	TEMP	DEFAULT	Jul 16, 2008 3:19:32 PM CDT
<input type="radio"/>	OLAPSYS	EXPIRED & LOCKED	Jul 16, 2008 3:21:22 PM CDT	SYSAUX	TEMP	DEFAULT	Oct 15, 2007 10:49:13 AM CDT
<input type="radio"/>	ORACLE_OCM	EXPIRED & LOCKED	Jul 16, 2008 3:21:22 PM CDT	USERS	TEMP	DEFAULT	Oct 15, 2007 10:12:22 AM CDT
<input type="radio"/>	ORDPLUGINS	EXPIRED & LOCKED	Jul 16, 2008 3:21:22 PM CDT	SYSAUX	TEMP	DEFAULT	Oct 15, 2007 10:40:33 AM CDT
<input type="radio"/>	ORDSYS	EXPIRED & LOCKED	Jul 16, 2008 3:21:22 PM CDT	SYSAUX	TEMP	DEFAULT	Oct 15, 2007 10:40:33 AM CDT
<input type="radio"/>	OUTLN	EXPIRED & LOCKED	Jul 16, 2008 3:21:22 PM CDT	SYSTEM	TEMP	DEFAULT	Oct 15, 2007 10:09:17 AM CDT
<input type="radio"/>	OWBSYS	EXPIRED & LOCKED	Jul 16, 2008 3:21:22 PM CDT	SYSAUX	TEMP	DEFAULT	Oct 15, 2007 11:31:44 AM CDT
<input type="radio"/>	PM	EXPIRED & LOCKED	Jul 16, 2008 3:21:22 PM CDT	USERS	TEMP	DEFAULT	Jul 16, 2008 3:19:32 PM CDT
<input type="radio"/>	PUBLIC	OPEN					
<input checked="" type="radio"/>	SCOTT	EXPIRED & LOCKED	Jul 16, 2008 3:21:22 PM CDT	USERS	TEMP	DEFAULT	Oct 15, 2007 11:36:00 AM CDT
<input type="radio"/>	SH	EXPIRED & LOCKED	Jul 16, 2008 3:21:22 PM CDT	USERS	TEMP	DEFAULT	Jul 16, 2008 3:19:32 PM CDT

Actions: Previous 1-25 of 38 Next 13

Done 154862eiu.eiuad.eiu.edu:1158

24. Select the radio button in front of SCOTT and select Unlock User action and Go.

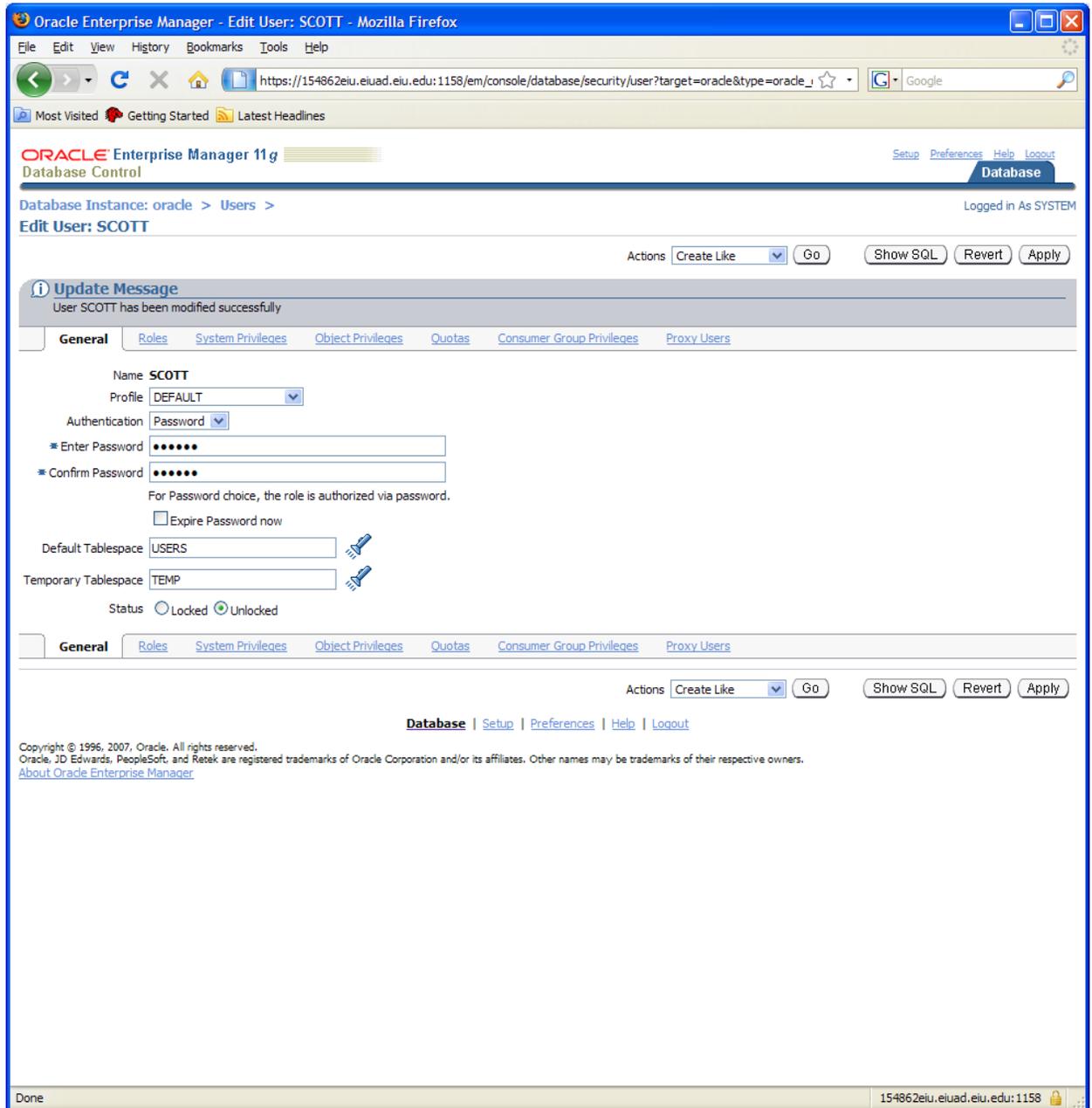


25. Confirm it.

26. You may also select SCOTT and click Edit.

The screenshot displays the Oracle Enterprise Manager 11g console interface for editing the user SCOTT. The browser window title is "Oracle Enterprise Manager - Edit User: SCOTT - Mozilla Firefox". The URL is "https://154862eiu.eiuad.eiu.edu:1158/em/console/database/security/user?oname=SCOTT&event=edit&". The page header shows "ORACLE Enterprise Manager 11g Database Control" and "Database". The breadcrumb is "Database Instance: oracle > Users > Edit User: SCOTT". The user is logged in as SYSTEM. The "General" tab is selected, showing fields for Name (SCOTT), Profile (DEFAULT), Authentication (Password), Password (masked), Confirm Password (masked), Password Status (Expired), Default Tablespace (USERS), Temporary Tablespace (TEMP), and Status (Unlocked). Action buttons include "Create Like", "Go", "Show SQL", "Revert", and "Apply". The footer contains copyright information and a status bar with "Done" and "154862eiu.eiuad.eiu.edu:1158".

27. Type in the password. In the profession, this account was known as scott/tiger. I will use it for practice purpose.



28. You have changed the password and unlocked the account. You should be able to connect the account on SQL*Plus to accomplish the above task much as faster, as shown in the next screen shot.

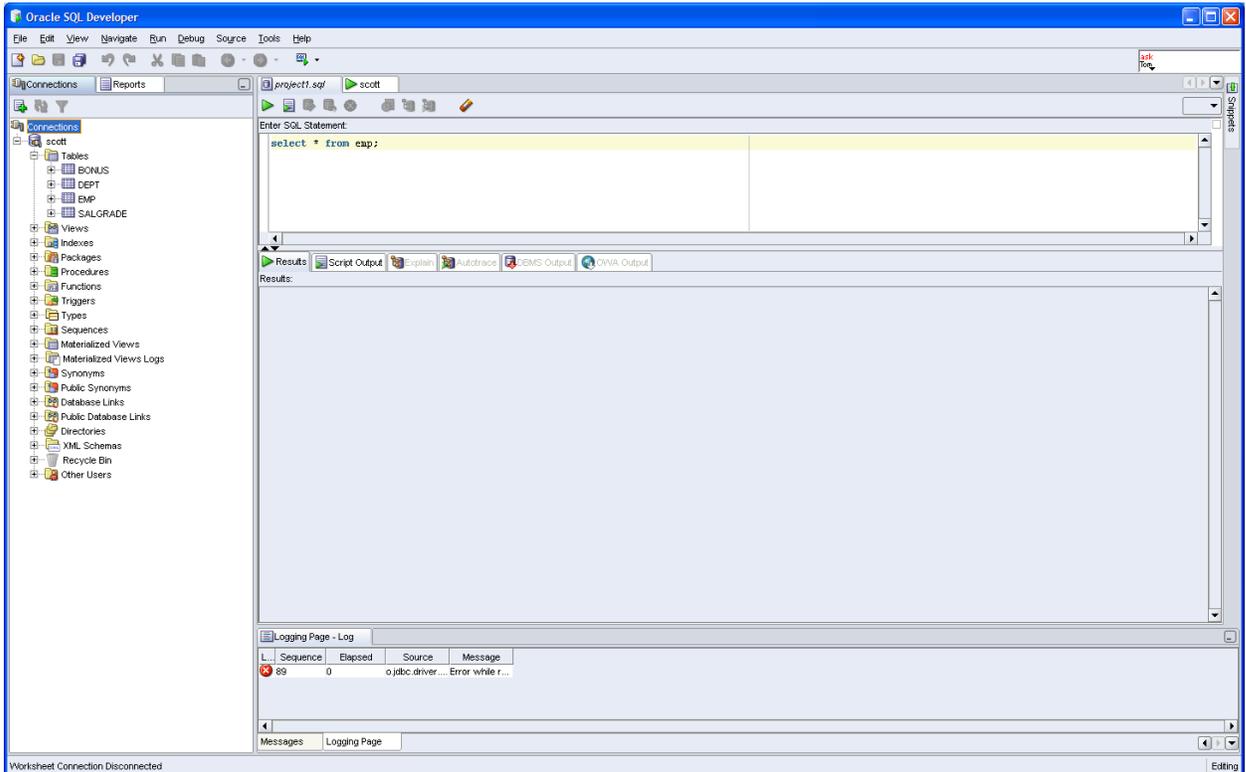
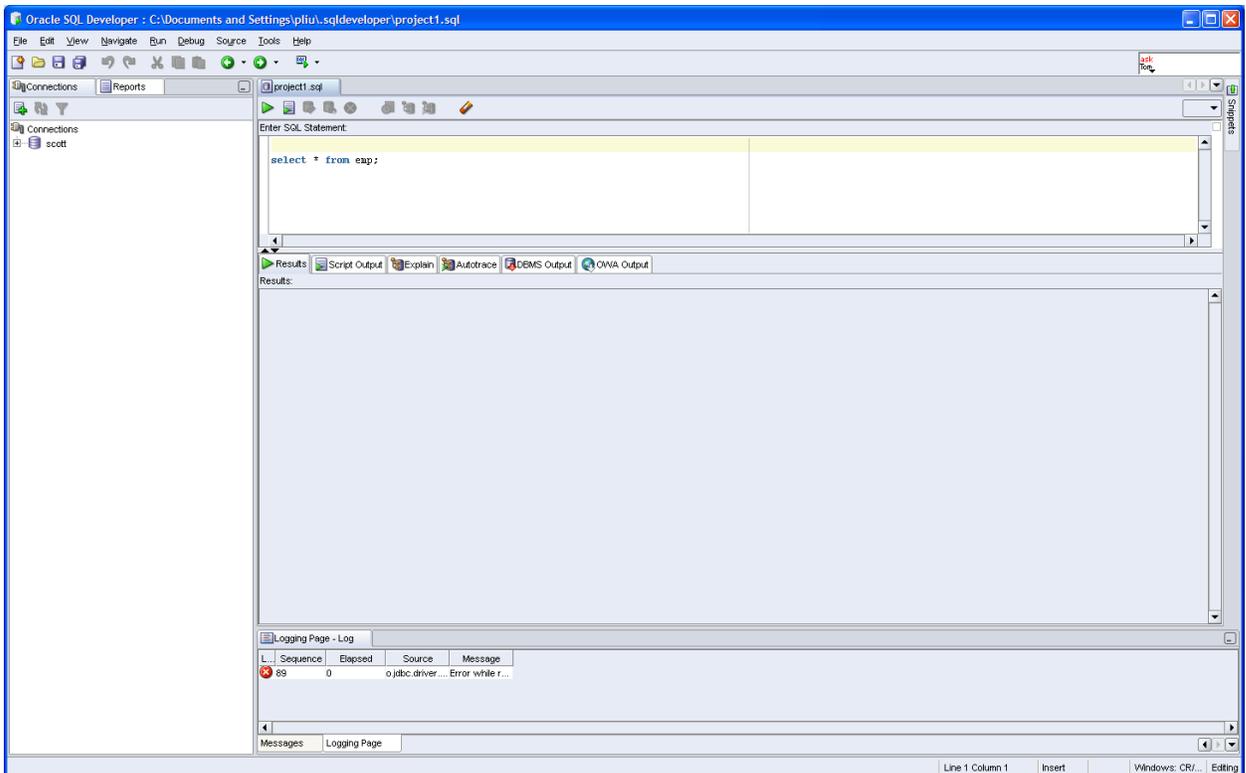
```
C:\Windows\system32\cmd.exe - sqlplus scott/tiger
SQL> connect system
Enter password:
Connected.
SQL> alter user scott account unlock;
User altered.
SQL> connect scott/tiger
Connected.
SQL> _
```

SQL*Plus is very efficient for database administration. If you want to become proficient in database administration, you should spend time to learn how to use it.

Congratulations.

You have made your database accessible for practice. Have fun with it.

PS: If you look for something similar to Microsoft SQL Server interface, Oracle has SQL Developer. You may select Start—All Programs--Oracle Home—Application Development—SQL Developer



There are a lot into any database product. You will focus on the core technology, SQL and PL/SQL, in this class. Have fun learning!