## 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

System Properties	? 🔀			
System Restore Auton	natic Updates Remote			
General Computer Name	Hardware Advanced			
	System:			
	Microsoft Windows XP			
	Professional			
	Version 2002			
	Service Pack 3			
<b></b> .	Registered to:			
.0	Peter Liu			
	Eastern Illinois University			
	76487-OEM-0011903-00103			
Manufactured and supported by:	Coloura			
	Gateway			
	Intel(R) Core(TM)2 CPU			
	6700 @ 2.66GHz			
	2.67 GHz, 3.24 GB of RAM			
Gateway				
	Connect Information			
	upport information			
OK Cancel Apply				

Windows XP Professional, SP 3

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



- 2. Select Downloads—Database
- 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.



C:\Download\oracle_11g\win3	2_11gR1_database\database		
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Other Places 🛞	stage	setup.exe	
<ul> <li>win32_11gR1_database</li> <li>My Documents</li> <li>My Computer</li> <li>My Network Places</li> </ul>	welcome.html Firefox Document 5 KB		
Details 🛛 🛞			
7 objects		336 KB	🚽 My Computer

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

Windows Security Alert
To help protect your computer, Windows Firewall has blocked some features of this program.
Do you want to keep blocking this program?
<u>Name:</u> Java(TM) 2 Platform Standard Edition binary <u>P</u> ublisher: Sun Microsystems, Inc.
Keep Blocking Unblock Ask Me Later
Windows Firewall has blocked this program from accepting connections from the Internet or a network. If you recognize the program or trust the publisher, you can unblock it. When should I unblock a program?

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

🔹 Oracle Database 11g Installation - Select a Product to Install				
Select Installation Method				<u>е</u> <b>11</b> <sup>g</sup>
Basic Installation Perform full Oracle Database 11g installation with standard configuration options requiring minimal input. This option uses file system for storage, and a single password for all database accounts.				
Oracle Base Location:	C:\app\pliu		-	Browse)
Oracle Home Location	C:\app\pliu\product\11.1.0\c	lb_1		Browse
Installation <u>Type</u> :	Installation Type:			
✓ Create Starter Database (additional 1482MB)				
<u>G</u> lobal Database Na	ime: oracle			
Database <u>P</u> asswor	1: *******	Confirm Password	: *******	
This password is used for the SYS, SYSTEM, SYSMAN, and DBSNMP accounts.				
Advanced Installation Allows advanced selections such as different passwords for the SYS, SYSTEM, SYSMAN, and DBSNMP accounts, database character set, product languages, automated backups, custom installation, and alternative storage options such as Automatic Storage Management.				
Help		Back Next	(nstall )	Cancel

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.

nmary	ORACLE 11
nmary	DATABASE .
initial y	
cle Database 11g 11.1.0.6.0	
lobal Settings	
-Source: C:\Download\oracle_11g\win32_11gR1_database\databa	se\install\/stage/products.xml
–Oracle Base: C:\app\pliu	
-Oracle Home: C:\app\pliu\product\11.1.0\db_1 (OraDb11g_home1)	)
Installation Type: Enterprise Edition	
roduct Languages	
English	
pace Requirements	
$\pm$ C:\ Required 2.89GB (includes 163MB temporary) : Available 885.2	4GB
ew Installations (132 products)	
lp Installed Products Back Ne	ext (install) (Cancel

12. After reviewing the product list, click Next.

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

👹 Oracle Universal Installer: Install	
	DATABASE 118
Install	
Installing Oracle Database 11g 11.1.0.6.0	
Installation in progress Setup pending	Ideal Platform for Grid Computing
Configuration pending Extracting files to 'C:\app\pliu\product\11.1.0\db_1'.	Low cost servers and storage
3%	Highest availability
Stop installation	Best scalability
You can find the log of this install session at: C:\Program Files\Oracle\Inventory\logs\installActions2008-07-16_02-57-06PM.log	
Help         Installed Products         Back         Next	Install Cancel



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.

🕼 Database Configuration Assistant
Database creation complete. For details check the logfiles at: C:\app\pliu\cfgtoollogs\dbca\oracle.
Database Information: Global Database Name: oracle System Identifier(SID): oracle Server Parameter Filename: C:\app\pliu\product\11.1.0\db_1\database\spfileoracle.ora
The Database Control URL is https://154862EIU.eiuad.eiu.edu:1158/em
Management Repository has been placed in secure mode wherein Enterprise Manager data will be encrypted. The encryption key has been placed in the file: C: \app\pliu\product\11.1.0\db_1\154862EIU.eiuad.eiu.edu_oracle\sysman\config\emkey. ora. Please ensure this file is backed up as the encrypted data will become unusable if this file is lost.
Note: All database accounts except SYS, SYSTEM, DBSNMP, and SYSMAN are locked. Select the Password Management button to view a complete list of locked accounts or to manage the database accounts(except DBSNMP and SYSMAN). From the Password Management window, unlock only the accounts you will use. Oracle Corporation strongly recommends changing the default passwords immediately after unlocking the account. Password Management
ОК

## 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.
- 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.



- 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.

🕲 Oracle Enterprise Manager - Mozilla Firefox	
Elle Edit View History Bookmarks Tools Help	
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ORACLE Enterprise Manager 11 g	Help
Login	
X Error	
* User Name   system	
Connect As Normal 💌	
( Login )	
Copyright © 1996, 2007, Oracle. All rights reserved. Oracle, JD Edwards, PeopleSoft, and Retek are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners. Unauthorized access is strictly prohibited.	
Done	154862eiu.eiuad.eiu.edu:1158 🔒 🌧

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 In	stance: oracle - Mozilla Firefox		
<u>Eile E</u> dit <u>V</u> iew Hi <u>s</u> tory <u>B</u> ookmarks <u>T</u> ools <u>H</u> elp			4 <sup>4</sup> 4 9 <sub>4</sub> 4
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滷 Most Visited 🏟 Getting Started 🔊 Latest Headlines			
ORACLE <sup>®</sup> Enterprise Manager 11 <i>g</i>			Setup Preferences Help Logout Database Logged in As SYSTEM
Database Instance: oracle			
Home Performance Availability Server	Schema Data Movement Software an	d Support	
	Latest Data Collected From Target Jul	16, 2008 3:54:30 PM CDT Refres	h) View Data Automatically (60 sec) 💌
General Host	t CPU Acti	ve Sessions	SQL Response Time
(Shutdown)(Black Out) 100	2.0	******	1.0
Status Up Up Since Jul 16, 2008 3:21:35 PM CDT Instance Name oracle Version 11.1.0.6.0 Host 154862EU.eiuad.eiu.edu Listener LISTENER 154862EU.eiuad.ei	5 1.5 0 0ther 1.0 0.5 0 0.0	Wait User I/O CPU	0.5
View All Properties	Load <u>5.00</u> Paging <u>0.32</u>	Maximum CPU 2	SQL Response Time (%) 40.61
			Edit Reference Collection
Diagnostic Summary ADDM Findings No ADDM run available Alert Log No ORA- errors Active Incidents Q Q Database Instance Health Valerts	Space Summary Database Size (GB) Problem Tablespaces Segment Advisor Recommendations Policy Violations Dump Area Used (%)	L:541     High Avai       0     Instance       0     Usable Flash       0     Flashba       5     S	lability Recovery Time (sec) <u>15</u> Last Backup <b>n/a</b> I Recovery Area (%) <u>100</u> ck Database Logging <u>Disabled</u>
Category All 🔍 🕞 Critical 0 Warning 0			
Severity Category	Name Impact	Message Alert Ti	riggered
Related Alerts			
Policy Violations			
All <u>16</u> Critical Rules Violated <u>13</u> Critical Security Patches0.	iance Score (%) <u>90</u>		
Job Activity Jobs scheduled to start no more than 7 days ago			
Scheduled Executions 0 Running Executions 0 Suspend	ed Executions 🗸 0 Problem Executions 🗸	0	
Home Performance Availability Server	Schema Data Movement Software an	d Support	
Related Links			
Access Alert Log Contents	Advisor Central All Metrics	Alert History Baseline Metric Three	sholds
Done	EW SOL HISTORY	lobs	154862eiu.eiuad.eiu.edu: 1158 🔒 📑

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

🕲 Oracle Enterprise Manager (SYSTEM) - Users - Mozilla Firefox							
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Obj	ect Name		]				
	Go						
By de string	fault, the search returns a	Il uppercase matches begin	ning with the string you entered. To	run an exact or case-sensitiv	re match, double quote the search	string. You can use the wildo	ard symbol (%) in a double quoted
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Seie			Expiration Date				Oct 15, 2007 10:36:34 AM CDT
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C		EXPIRED & LOCKED	Jul 16, 2008 3:21:22 PM CDT	SYSAUX	TEMP	DEFAULT	Oct 15, 2007 10:35:40 AM CDT
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C	EXFSYS	EXPIRED & LOCKED	Jul 16, 2008 3:21:22 PM CDT	SYSAUX	TEMP	DEFAULT	Oct 15, 2007 10:35:14 AM CDT
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(Edit)(View)(Delete)Actions Unlock User (Go) OPrevious 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.

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ORACLE Enterprise Manager 11 g	<u>Setup</u> <u>Preferences</u> <u>Help</u> <u>Loqout</u> Database
Database Instance: oracle > Users > Image: Second	Logged in As SYSTEM
Are you sure you want to unlock USER SCOTT?	
Database   Satura   Professoras   Help   Locaut	No Yes
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https://154862eiu.eiuad.eiu.edu:1158/em/console/database/security/user?oname=SCOTT&event=unlockUser&cancelURL=/em/console/database/database0.	154862eiu.eiuad.eiu.edu:1158 🔒
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25. Confirm it.

26. You may also select SCOTT and click Edit.

🥲 Oracle Enterprise Manager - Edit User: SCOTT - Mozilla Firefox	
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Database Instance: oracle > Users > Edit User: SCOTT	Logged in As SYSTEM
	Show SQL Revert Apply
General         Roles         System Privileges         Object Privileges         Quotas         Consumer Group Privileges         Proxy Users	
Name SCOTT	
Profile DEFAULT	
Authentication Password V	
≇ Enter Password •••••	
≇ Confirm Password •••••	
For Password choice, the role is authorized via password.	
Password Status Expired	
Temporary Tablespace TEMP	
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Actions Create Like 🔍 (Go)	Show SQL (Revert ) Apply )
Database   Sehin   Preferences   Heln   Longuit	
Copyright @ 1996, 2007, Oracle, All rights reserved.	
Oracle, JD Edwards, PeopleSoft, and Retek are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners. About Oracle Enterorise Manager	

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

😉 Oracle Enterprise Manager - Edit User: SCOTT - Mozilla Firefox	
Eile Edit View History Bookmarks Tools Help	4 <sup>0</sup> 4 0 <sub>0</sub> 4
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ORACLE Enterprise Manager 11 g	Setup Preferences Help Logout Database
Database Instance: oracle > lisers >	Logged in As SYSTEM
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User SCOTT has been modified successfully	
General         Roles         System Privileges         Object Privileges         Quotas         Consumer Group Privileges         Proxy Users	
Name SCOTT	
Profile DEFAULT	
Authentication Password 🔽	
≇ Enter Password	
≇ Confirm Password	
For Password choice, the role is authorized via password.	
Expire Password now	
Default Tablespace USERS	
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Database   Setup   Preferences   Help   Logout	
Copyright © 1996, 2007, Oracle. All rights reserved. Oracle, JD Edwards, PeopleSoft, and Retek are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners. About Oracle Enterprise Manager	
Done	154862eiu.eiuad.eiu.edu:1158 🔒 🏢

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.



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

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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!