## **Oracle 11g Express Edition Installation Work Notes**

July 1, 2015 Rishank Puram, Nalini Uppari, Sailesh Adhikari, Peter Ping Liu

Desktop Computer: Dell Optiplex 7010, Windows 7, 64-bit Operating System

1. Download Oracle 11g Express Edition

		an international south that have, it , but have, it must been		
ល ជា ២		Edi ×	ibase/database-technologies/ei P * C	http://www.oracle.com/technetwork/dat
				File Edit View Pavontes Tools Help
				Contract - Dissect
Sign In 🛰 🔹	: • 🥑 AutoFill • 🍠	🔹 🍓 🚰 Share * 🎯 * 😭 Bookmarks * 🏾 🏕 Check * 🍓 Translate		Google
• 🖾 • 🖂 👘 • Page • Safety • Tools • 🚱 • "	ng"' Traffic 🔹 🦷 🚹	ows Mark 🙋 Backup of Windows Media 🕘 Backup of Windows 🗿 Bin	p of Customize Links 🗃 Backup of Free	🍃 🛅 Suggested Sites 👻 🥘 Africana.com 🕘 Backu
î	Q tners About OTN	untry ~ Communities ~ I am a ~ I want to ~ Search ns Downloads Store Support Training Part	ORACLE <sup>.</sup>	
		gy Index > Database Express Edition > Downloads	Oracle Technology Network > Da	
		Documentation Community Learn More	Database 12t	
			Database In-Memory	
		e Express Edition 11g Release 2	Multitenant	
			Options	
	Oracla		Application Development	
	Detabase Claud	In License Agreement for Oracle Database Express Edition 11g his software.	Big Data Appliance	
	Database Cloud	ement   🔾 Decline License Agreement	Data Warehousing & Big Data	
	Get Started )	ess Edition 11g Release 2 for Windows x64	Database Appliance	
	det officiely	and run the DISK1/setup exe	Database Cloud	
		and run the DISK1/setup.exe	Exadata Database Machine	
	Got the Latest	ess Edition 11g Release 2 for Linux x64	High Availability	
	Oracle Detebace	The one of the cart of the angle of the transmission of the transm	Manageability	
	12 a Tutorials		Results	
	T2C TUtoriais	sted in the following downloads:	Security	
	Plug into the Cloud	ber Data Modeler	1 insurders	
		xpress Developers	Workers	
		ools for Visual Studio .NET	Database Technology Index	
	Access Now			
	Kscope15			
	HOLLYWOOD, FLORIDA - JUNE 21-25			
	ODTUG Kscope15			
	June 21-25, 2015 Distant Report & Soa			
	Holywood Holywood El			
	interpreter, PL			
~	Register Now >			
EN 🔺 🏲 🙄 🐠 10:13 AM 7/1/2015			🕹 🚾 🐨 🛠	9 🙆 📋 🖸 🧿

2. Login in with your user id and password if there or else signup with a new one

X Google	🔹 🖓 Search + 🔃 + 🔮 🖬 🖓 Share + 🔊 + 😭 📾 Share + 🔊 + 😭 B Customize Links 🕘 Backup of Free Hotmail 🐒 Backup of Windows Mark 🕘 Backup of Window	ookmarks * 🍐 Check * 🔩 Translate * 🌠 AutoFill * 🥜 s Media 🕘 Backup of Windows 🥑 Bing''' Traffic * 🦈 🖓 * 🕤 *	Sign In 🔦 🖂 📾 🕶 Page 🕶 Safety 🕶 Tools 🕶 🕢 😁
	CRACLE  Sign In  Forget Username  Forget Username  Forget Password  Forget Password  Forget Password  These sense of the sense sense to be larger bibles. The	Don't have an Oracle Account? A free Oracie Account gives you and services, support, events, communities, and more. I Create Account	
	Income or traven of these terms may result in termbodies of your activityation to use this site analysis of and over Integrated Cloud Applications & Platform Services And Onesis Context bit Ligar Notes   Yerner of Use   Privacy Platay	₩ 2014	

- 3. The executable file (.exe) starts downloading.
- 4. Unzip the file you have downloaded and run the setup file.

								0	×
🗸 🗸 🕨 Peter P Liu	<ul> <li>Downloads &gt; oracle_11</li> </ul>	g 🕨 win32_11gR1_database 🕨 database 🕨			<b>-</b> ↓	Search database			۶
Organize 🔹 🔂 Open	Share with 👻 Burn	New folder					(⊞ ▼		0
🚖 Favorites	Name								
bownloads	🔒 asmtool								
Secent Places	doc doc								
E Desktop	install								
	response								
🔚 Libraries	📕 stage								
Documents	setup.exe								
J Music	@ welcome.html								
E Pictures									
Videos									
Computer									
SDisk (C:)									
My Passport (G:)									
Attps://panthershare									
CENCERE (S:)									
SharedDocuments (									
SharedDocuments (									
whites://panthershare									
Student (W:)									
🙀 TechGrad1 (X:)				No preview available.					
Technology Gradua									
g pliu-Share (Z:)									
📭 Network									
	<	Þ							
setup.exe Date	e modified: 7/16/2008 2:54 PM Size: 332 KB	Date created: 3/29/2013 9:40 AM							
			6			EN . Int	en do	10:19 AM	и
			<b>S</b>					7/1/201	5

5. Select Standard Edition under installation type and give a password for the database and click next. Please make a note of your password, which will be handy in the future.



6. The below screen appears and hit next to proceed to another screen.

W	Oracle 11g Express Edition Installation and Work Notes,7_1_2015.docx - Microsoft Word	
File     Home     Insert     Page Layout     References     Mailings       Partic     & Cult     Calibri (Body)     * 11     * Å Å     Aa*     *       Partic     # Format Painter     B     I     II * also x, xi*     Aa*     *     *       Clipboard     IV     Font     Font     Font     *     *     *	Review View Acrobat  **法 집 目・同一 「 # 後 # ・	aBbCcDr AaBbCcDr AbbCcDr AbbCc
	Padyado     A     Padyado     A	
		ž t t
Page: 2 of 3   Words: 79   39 English (U.S.)	W 8 @ S	EN A P 100% - 0 +

7. The next screen will appear as of the below one. Hit next to proceed to next screen.

Computer	r 🕨 Removable Disk (E:)		<ul> <li>✓ ✓ ✓ Search Removable Disk (E:)</li> </ul>
Organize 👻 Share with	🔻 Burn New folder		II • 🗌 🔮
<ul> <li>Favorites</li> <li>Downloads</li> <li>Recent Places</li> <li>Desttop</li> <li>Libraries</li> <li>Documents</li> <li>Music</li> <li>Misic</li> <li>Fictures</li> </ul>	Name *		
Videos Computer Compu		Concle Universal Installer: Oracle Configuration Manager Registration Caracle Configuration Manager Registration Caracle Configuration Manager Oracle Configuration Manager Oracle Configuration Manager Caracle Configuration Manager Caracle Configuration Manager Oracle Configur	
<ul> <li>SharedDocuments (I</li> <li>https://panthershare</li> <li>Student (W:)</li> <li>TechGrad1 (X:)</li> <li>TechGrad1 (X:)</li> <li>Technology_Gradua</li> <li>pliu-Share (Z:)</li> </ul>		Configuration data in this CHAOLE_HOME: Customer Identification Number (CS0)  Mediatik Account Usemane:  Qountry Code: United States  Provide your CBI Number, Mediatik Account da Cossily Code associated with your panice agreement. To verify your Information: panel Tat R Registered Tables.	
🙀 Network		H a connection from your network to the public informet requires you to connect through a Privity, use "Connection Settings". Connection Settings Upper choice net to nead to Control Configuration Manager at the time, you may sets to the Quesci Configuration Manager Installation and Administration Outlet to complete the configuration at paymen in the future. Belop Installed products	
	< ,		
1 item			
📀 🙆 🚞	o o 🕹 🔤 唑	🔀 🚳 🔣 🕍	EN 🔺 🏴 🎲 🌒 10:31 AM 7/1/2015

- Oracle 11g Express Edition Installation and Work Notes\_7\_1\_2015.docx Microsoft Word \_ 0 % File Home Insert Page Layout References Mailings Review View Acrobat ۵ 🕜 The format Part of the state Clipboard G Cracle Universal Installer: Summary - - X DATABASE 118 Summary Oracle Database 11g 11.1.0.6.0 G-Global Settings
   Source: C:UJsersipliuAppDataLocalTempITemp1\_win32\_11gR1\_database.zipIdatabaseUnstalK.Jsta
   Oracle Bose: C:3appBildiv
   Oracle Hone: C:3appBildivgRoductt11.1.0ldb\_1 (OraDb11g\_home1)
   Installation Type: Standard Edition Product Languages
   English
   Space Requirements -0.1Required 164MB (includes 163MB temporary) : Available 312.756B -0.1Required 164MB (includes 163MB temporary) : Available 312.756B >New Installations (123 products) l D Help Installed Products... Back Next Install Cancel 38. Hit install from the 4 of 4 Words: 117 🕉 English (U.S.) s) 🔄 🕑 📴 🖤 🌇 🏐 🔛 <u>\_</u>
- 8. Hit install from this screen to install oracle 11g database.

9. Oracle 11g gets installed



10. It automatically redirects to the other screen and that would be as follows.



## 11. Final screen



12. You can open Windows Services to check whether the database is installed and is running properly. It is noted that the database is running under "OracleServiceORCL." This indicates that the database (instance) name is "ORCL".

🔒 🚺 📷 🕨 🗰 H IV						
C Services (Local)						
Services (cocal)	Mana	Description	Charles .	Out of Taxa	0- 4-	
select an item to view its description.	A Home Course Lister or	Maharalaad	Status	Startup Type	and Casta	
	HomeGroup Listener	Makes local		Manual	ocal Syste	
	HomeGroup Provider	Performs ne		Manual	local Service	
	Human Interface Device Access	Enables gen	started	Manual	ocal Syste	
	INFE and Authin Insec Reying Modules	Ine IKEEXT		Manual	ocal Syste	
	Interactive Services Detection	Provides use		Dicabled	ocal Syste	
	Internet Connection Sharing (ICS)     Internet Evaluate TIM Collector Service	FTW Collect		Manual	ocal System	
	ID Helper	Provider tu	Started	Automatic	ocal System	
	C IPrec Policy Agent	Internet Pro	Started	Manual	Jetwork S	
	C KeyAccess	KeyServer C.	Started	Automatic	ncal System	
	KtmRm for Distributed Transaction Coordinator	Coordinates		Manual	Jetwork S.	
	Link-Laver Topology Discovery Mapper	Creates a N		Manual	ocal Service	
	Content Extender Service	Allows Med		Disabled	ocal Service	
	Microsoft .NET Framework NGEN v2.0.50727 X64	Microsoft		Disabled	ocal Syste	
	Microsoft .NET Framework NGEN v2.0.50727 X86	Microsoft		Disabled	.ocal Syste	
	Microsoft .NET Framework NGEN v4.0.30319_X64	Microsoft		Automatic (D	ocal Syste	
	Microsoft .NET Framework NGEN v4.0.30319_X86	Microsoft		Automatic (D	ocal Syste	
	G Microsoft iSCSI Initiator Service	Manages In		Manual	ocal Syste	
	Microsoft Office Diagnostics Service	Run portion		Manual	ocal Syste	
	Microsoft SharePoint Workspace Audit Service			Manual	ocal Service	
	Microsoft Software Shadow Copy Provider	Manages so		Manual	ocal Syste	
	🔍 Mozilla Maintenance Service	The Mozilla		Manual	ocal Syste	
	Multimedia Class Scheduler	Enables rela		Automatic	ocal Syste	
	🔍 Net.Msmq Listener Adapter	Receives act		Disabled	Network S	
	🔍 Net.Pipe Listener Adapter	Receives act		Disabled	ocal Service	
	🔍 Net.Tcp Listener Adapter	Receives act		Disabled	ocal Service	
	🔍 Net.Tcp Port Sharing Service	Provides abi		Disabled	ocal Service	
	🔍 Netlogon	Maintains a	Started	Automatic	ocal Syste	
	Network Access Protection Agent	The Networ		Manual	Vetwork S	
	Setwork Connections	Manages o	Started	Manual	ocal Syste	
	Setwork List Service	Identifies th	Started	Manual	ocal Service	
	Setwork Location Awareness	Collects an	Started	Automatic	Vetwork S	
	Ketwork Store Interface Service	This service	Started	Automatic	ocal Service	
	G Office SourceEngine	Saves install		Manual	ocal Syste	
	G Office Software Protection Platform	Office Soft	Started	Manual	Vetwork S	
	G Offline Files	The Offline	Started	Automatic	ocal Syste	
	G Oracle OKCL VSS Writer Service		Started	Automatic	ocal Syste	
	GracleDBConsoleorci		Started	Automatic	ocal Syste	
	Oracle/obschedulerOKCL     Oracle/obschedulerOKCL		Started	Automatic	ocal Syste	
	OracleOraDb11g_home1 I NSListener		Started	Automatic	ocal Syste	
	OracleServiceOnCL     Descental Controls	This consist:	otarted	Manual	ocal Service	
	Deer Name Perelution Destand	Enables service		Manual	acal Service	
	Peer Name Resolution Protocol	Enabler mod		Manual	ocal Service	
	sag i cer recevorang orouping	crosses muta		manad	oca service	 
Extended Standard /						

Useful program under command prompt: C:> tnsping orcl (to ping the database)

You will see the entire connection string for the database in your computer. In the command window, you may right click the mouse and "Select All" and then "Enter." In this way, you can copy all the content on the screen and paste them for your research, as follows.

Microsoft Windows [Version 6.1.7601] Copyright (c) 2009 Microsoft Corporation. All rights reserved. C:\Users\pliu>tnsping orcl TNS Ping Utility for 32-bit Windows: Version 11.1.0.6.0 - Production on 02-JUL-2015 09:58:35

Copyright (c) 1997, 2007, Oracle. All rights reserved. Used parameter files: G:\app\pliu\product\11.1.0\db\_1\network\admin\sqlnet.ora

Used TNSNAMES adapter to resolve the alias Attempting to contact (DESCRIPTION = (ADDRESS = (PROTOCOL = TCP)(HOST = 165740EI U.eiuad.eiu.edu)(PORT = 1521)) (CONNECT\_DATA = (SERVER = DEDICATED) (SERVICE\_NAME = orcl))) OK (0 msec)

C:\Users\pliu>

The database connection string will be useful to connect Oracle database using PHP program: (DESCRIPTION = (ADDRESS = (PROTOCOL = TCP)(HOST = 165740EI U.eiuad.eiu.edu)(PORT = 1521)) (CONNECT\_DATA = (SERVER = DEDICATED) (SERVICE\_NAME = orcl)))

Alternatively, you may also get the database connection string from tnsnames.ora file, as follows:

```
# tnsnames.ora Network Configuration File:
G:\app\pliu\product\11.1.0\db_1\network\admin\tnsnames.ora
# Generated by Oracle configuration tools.
```

```
ORCL =
  (DESCRIPTION =
    (ADDRESS = (PROTOCOL = TCP)(HOST = 165740EIU.eiuad.eiu.edu)(PORT = 1521))
    (CONNECT_DATA =
        (SERVER = DEDICATED)
        (SERVICE_NAME = orcl)
    )
    )
```

C:>Isnrctl (Listener control)

Microsoft Windows [Version 6.1.7601] Copyright (c) 2009 Microsoft Corporation. All rights reserved. C:\Users\pliu>lsnrctl LSNRCTL for 32-bit Windows: Version 11.1.0.6.0 - Production on 02-JUL-2015 10:08:42 Copyright (c) 1991, 2007, Oracle. All rights reserved. Welcome to LSNRCTL, type "help" for information. LSNRCTL> status Connecting to (DESCRIPTION=(ADDRESS=(PROTOCOL=IPC)(KEY=EXTPROC1521))) STATUS of the LISTENER

-----

Alias	LISTENER
Version	TNSLSNR for 32-bit Windows: Version 11.1.0.6.0 - Production
Start Date	01-JUL-2015 10:43:52
Uptime	0 days 23 hr. 24 min. 56 sec
Trace Level	off
Security	ON: Local OS Authentication
SNMP	OFF
Listener Paran	neter File G:\app\pliu\product\11.1.0\db_1\network\admin\listener.ora
Listener Log Fi	le g:\app\pliu\diag\tnslsnr\165740EIU\listener\alert\log.xml
Listening Endp	oints Summary
(DESCRIPTIO	N=(ADDRESS=(PROTOCOL=ipc)(PIPENAME=\\.\pipe\EXTPROC1521ipc)))
(DESCRIPTION	r=(ADDRESS=(PROTOCOL=tcp)(HOST=165740EIU.eiuad.eiu.edu)(PORT=1521)))
Services Summ	ary
Service "orcl" h	as 1 instance(s).
Instance "orcl	", status READY, has 1 handler(s) for this service
Service "orclXL	)B" has 1 instance(s).
Instance "orcl	", status READY, has 1 handler(s) for this service
Service "orcl_X	PT" has 1 instance(s).
Instance "orcl	", status READY, has 1 handler(s) for this service
The command	completed successfully
I SNRCTI >	

SQL Plus: Useful SQL commands:

SQL> conn system/pingliu;

If you are able to connect to the database, that means the database is open, and ready to interact with PHP program.

SQL> select \* from tab;

SQL>alter user scott account unlock; (to unlock the user scott)

SQL>desc emp; (to see the table structure of emp table)

SQL>show parameter service; (to find the database name)

SQL>spool c:\temp\spool.txt (to spool the content on display into a file as defined.) SQL>spool off;