tomeuwork

My own tips on IT

How to install Oracle SQLPlus and Oracle Client in MAC OS

Hi,

The How To has been extracted from the following link: http://www.joelennon.ie/2014/02/06/installing-oracle-instant-client-mac-os-x/

I just skipped some text and modified some paths to adapt it to oracle client 11.2.0.4 release.

1. Download the files from the Oracle Site

http://www.oracle.com/technetwork/topics/intel-macsoft-096467.html

Be sure to grab the following two files:

- Instant Client Package Basic
- Instant Client Package SQL*Plus

2. Extract the files and create the proper folder structure.

Open a Terminal window and unzip the downloaded files.

\$ unzip -qq instantclient-basic-macos.x64-11.2.0.4.0.zip

\$ unzip -qq instantclient-sqlplus-macos.x64-11.2.0.4.0.zip

Note: The -qq flag will tell the unzip utility to run in quieter mode, preventing any output from being displayed on the screen.

By default, the archive will extract all these files to a single directory. Instead, we'll create a nicely structured directory to keep these files in your user Applications folder.

- \$ mkdir -p /Applications/oracle/product/instantclient 64/11.2.0.4.0/bin
- \$ mkdir -p /Applications/oracle/product/instantclient_64/11.2.0.4.0/lib
- \$ mkdir -p /Applications/oracle/product/instantclient_64/11.2.0.4.0/jdbc/lib
- \$ mkdir -p /Applications/oracle/product/instantclient_64/11.2.0.4.0/rdbms/jlib
- \$ mkdir -p /Applications/oracle/product/instantclient_64/11.2.0.4.0/sqlplus/admin
- \$ mkdir -p /Applications/oracle/product/instantclient_64/11.2.0.4.0/network/admin

Next, move the files over to these directories as follows:

- \$ cd instantclient_11_2
- \$ mv ojdbc* /Applications/oracle/product/instantclient_64/11.2.0.4.0/jdbc/lib/
- \$ mv x*.jar /Applications/oracle/product/instantclient_64/11.2.0.4.0/rdbms/jlib/
- \$ mv glogin.sql /Applications/oracle/product/instantclient 64/11.2.0.4.0/sqlplus/admin/
- \$ mv *dylib* /Applications/oracle/product/instantclient 64/11.2.0.4.0/lib/
- \$ mv *README /Applications/oracle/product/instantclient_64/11.2.0.4.0/
- \$ mv * /Applications/oracle/product/instantclient 64/11.2.0.4.0/bin/

3. Create a proper thsnames.ora file to define proper connection strings

Copy or create a tnsnames.ora file to /Applications/oracle/product/instantclient_64/11.2.0.4.0/network/admin/

Example:

Create the tnsnames.ora file with the vi editor, paste the following lines and save it.

```
MYDB=
 (DESCRIPTION=
  (ADDRESS=
   (PROTOCOL=TCP)
   (HOST=*******)
   (PORT=1521)
 )
  (CONNECT_DATA=
   (SERVER=dedicated)
                                                                  • Follow
   (SID=MYDB-SID)
                                            Follow
                                            "tomeuwork"
 ))
                                            Get every new post delivered
(You can better ask to a DBA to review the co
                                                                             le you with a proper
                                            to your Inbox.
test connection)
                                              Enter your email address
4. Set up environment variables
                                                      Sign me up
Edit or create a file .bash_profile
                                             Build a website with WordPress.com
$ cd /Users/UserName
$ vi ~/.bash_profile
if you haven't created a .bash_profile before the file will be empty, otherwise just add the following lines
to the end of the existing file.
```

export ORACLE_HOME="/Applications/oracle/product/instantclient_64/11.2.0.4.0"

export PATH=\$ORACLE_HOME/bin:\$PATH

export DYLD_LIBRARY_PATH=\$ORACLE_HOME/lib

To load this profile, run the following command:

\$ source ~/.bash_profile

Assuming you have set up your trsnames.ora file correctly, you should now be able to connect one of the databases as follows:

5. Start using SQLPlus

\$ sqlplus username/password@database

6. Did you enjoy? That's all folks.

Fixing command history for using SQLPlus line edition with arrow keys

If you have used the command-line SQLPlus in a Windows environment, you will probably be used to using the command history to execute previous SQL statements using the arrow keys. One thing you'll notice in SQLPlus for the Mac is that this doesn't work by default, if you hit the up key you'll see a strange character sequence ^[[A rather than the previous command. Let's go ahead and fix this now.

To do this, you'll need to use rlwrap. You could download this from source and build it yourself, but I find it much easier to use the fantastic brew package manager for Mac OS X. Head over to http://brew.sh/ and follow the instructions to install and set up Homebrew (it's very easy). With Homebrew installed, you can now easily install rlwrap on your system with one command:

\$ ruby -e "\$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install)"

\$ brew install rlwrap

The final thing you need to do is tell your system to use rlwrap whenever you use SQL*Plus. To do that, you'll need to edit your .bash_profile file again.

\$ vi ~/.bash_profile

Add the following line to the end of the file.

alias sqlplus='rlwrap sqlplus'

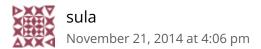
Now reload the .bash_profile:

\$ source ~/.bash_profile

Now, when you launch SQL*Plus and try to use the arrow keys to access previous commands, it will work.

This entry was posted in Mac OS and tagged MAc, Mac OSX, Oracle client, OSX, SQLPlus on May 12, 2014 [https://tomeuwork.wordpress.com/2014/05/12/how-to-install-oracle-sqlplus-and-oracle-client-in-mac-os/].

12 thoughts on "How to install Oracle SQLPlus and Oracle Client in MAC OS"



Use ruby -e "\$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install)" instead of ruby -e "\$(curl -fsSL https://raw.github.com/Homebrew/homebrew/go/install)"



Which one is ~/.bash_profilesource file? Because when i executed this line "source ~/.bash_profilesource ~/.bash_profile", this error occurred: "-bash: /Users/macbook/.bash_profilesource: No such file or directory". Thanks!



sorry, there was a typo. You only have to run:

\$source ~/.bash_profile

I have corrected the post, thanks!



Alex

February 24, 2015 at 5:43 pm

Hi, I done everything in the tutorial but the last part (5) \$ sqlplus username/password@database says sqlplus command not found. Can you help me please?



Thanks for this. It was very helpful. I ran into one problem ("ORA-21561: OID generation failed", which also appeared as "ORA-12162: TNS:net service name is incorrectly specified". I solved it by typing "hostname" at the command line and adding the result to my /etc/hosts file. The new line looks something like this: "127.0.0.1 local_mac_name".



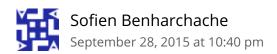
Thanks, this article was very helpful!

Pingback: Installing Oracle Instant Client for Mac OSX | Ajitabh Pandey.Info



Hugo Hamon September 28, 2015 at 11:48 am

Thanks a lot for this article! It seems it works like a charm!



I have:

-bash: sqlplus: command not found

why?



Check the environment variables that you have set in step 4. You can type the following commands in a terminal window:

Tomeus-MBA-2:~ tomeu.mir\$ echo \$ORACLE_HOME

/Applications/oracle/product/instantclient 64/11.2.0.4.0

Tomeus-MBA-2:~ tomeu.mir\$ echo \$PATH

/Applications/oracle/product/instantclient_64/11.2.0.4.0/bin:/usr/local/apache-tomcat-

7.0.53/bin:/opt/mongodb/bin:/usr/bin:/bin:/usr/sbin:/sbin:/usr/local/bin

Tomeus-MBA-2:~ tomeu.mir\$ echo \$DYLD_LIBRARY_PATH

/Applications/oracle/product/instantclient_64/11.2.0.4.0/lib

If any of the echo commands returns you blank, then for sure that you did not update properly the .bash_profile. Else crosscheck that the paths that I marked in bold just above are the same ones where you have done the installation.

Regards,

Tomeu

Pingback: oracle client mac os X install | tkwordpresscomblog



Owen Dall December 20, 2015 at 6:46 pm

Thanks much for this!

ä