**Installing Oracle Client on Ubuntu**

1. Go to link <http://www.oracle.com/technetwork/topics/linuxx86-64soft-092277.html> and download the below three packages. You will need an OTN account to download. Accept the agreement and login with your account.

[oracle-instantclient12.2-basic-12.2.0.1.0-1.x86\_64.rpm](http://download.oracle.com/otn/linux/instantclient/122010/oracle-instantclient12.2-basic-12.2.0.1.0-1.x86_64.rpm)

[oracle-instantclient12.2-sqlplus-12.2.0.1.0-1.x86\_64.rpm](http://download.oracle.com/otn/linux/instantclient/122010/oracle-instantclient12.2-sqlplus-12.2.0.1.0-1.x86_64.rpm)

[oracle-instantclient12.2-devel-12.2.0.1.0-1.x86\_64.rpm](http://download.oracle.com/otn/linux/instantclient/122010/oracle-instantclient12.2-devel-12.2.0.1.0-1.x86_64.rpm)

1. Download “alien” to install the rpm packages. In case you are not able to install due to lock files, you can look at the notes below:

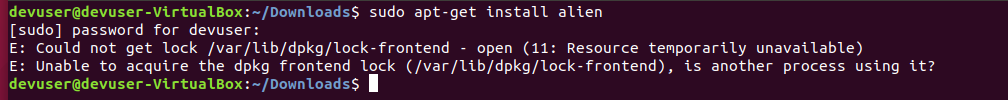
**# sudo apt-get install alien**

Troubleshooting Notes:

If you get error messages like below. Run the following commands. Then rerun the above command:

**# sudo rm /var/lib/dpkg/lock-frontend**

**# sudo rm /var/lib/dpkg/lock**



1. Using alien install the 3 rpm packages. The packages might take some time to download. So, give it few minutes to finish. Make sure no error messages are displayed:

**# sudo alien -i** [**oracle-instantclient12.2-basic-12.2.0.1.0-1.x86\_64.rpm**](http://download.oracle.com/otn/linux/instantclient/122010/oracle-instantclient12.2-basic-12.2.0.1.0-1.x86_64.rpm)

**# sudo alien -i** [**oracle-instantclient12.2-sqlplus-12.2.0.1.0-1.x86\_64.rpm**](http://download.oracle.com/otn/linux/instantclient/122010/oracle-instantclient12.2-sqlplus-12.2.0.1.0-1.x86_64.rpm)

**# sudo alien -i** [**oracle-instantclient12.2-devel-12.2.0.1.0-1.x86\_64.rpm**](http://download.oracle.com/otn/linux/instantclient/122010/oracle-instantclient12.2-devel-12.2.0.1.0-1.x86_64.rpm)

1. Install libaio1 package. If you get the error message for locks, just delete them. Refer step-2 notes. Then run the below command

**# sudo apt-get install libaio1**

1. Setup your environment for Oracle by adding paths to the /home/.bashrc file

Open file using “sudo nano ~/.bashrc”. Then add the below lines to the file. Ensure your Oracle installation path is correct:

**ORACLE\_HOME=/usr/lib/oracle/12.2/client64**

**export ORACLE\_HOME**

**LD\_LIBRARY\_PATH=$ORACLE\_HOME/lib**

**export LD\_LIBRARY\_PATH**

**# source ~/.bashrc**

1. Set up the paths in /etc/ld.so.conf.d/oracle.conf file by adding the below line:

**/usr/lib/oracle/12.2/client64/lib/**

1. Change permissions on the file and execute the command after that

**# chmod 755 /etc/ld.so.conf.d/oracle.conf**

**# sudo ldconfig**

1. Setup the variables for oracle by adding the below lines to /etc/profile.d/oracle.sh

**export ORACLE\_HOME=/usr/lib/oracle/12.2/client64**

**export PATH=$PATH:$ORACLE\_HOME/bin**

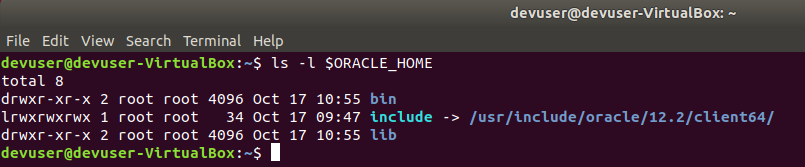
Change permissions on the file

**# chmod 755 /etc/profile.d/oracle.sh**

1. Create link to oracle files (with .h extension) stored under folder /usr/include/oracle/12.2/client64. Verify the files exist in that folder and then verify if the link was created. Files have ext:

**# sudo ln -s /usr/include/oracle/12.2/client64 $ORACLE\_HOME/include**

**# ls -l $ORACLE\_HOME/**



1. You connect to the database with using “sqlplus username/password@//dbhost:1521/SID”.

**# sqlplus** [**foodmart/foodmart@//10.177.176.209:1521/XE**](mailto:foodmart/foodmart@//10.177.176.209:1521/XE)

