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| EPAM Systems, RD Dep. |
| MTN.BI.07 Oracle Database Architecture |

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| REVISION HISTORY | | | | | |
| Ver. | Description of Change | Author | Date | Approved | |
| Name | Effective Date |
| 1.0 | Initial status | [Kiryl Bucha](mailto:Kiryl_Bucha@epam.com) | 12-JAN-2012 |  |  |
| 2.0 | Updated in accordance with renewed content | [Elias Nema](mailto:Elias_Nema@epam.com) | 20-JAN-2014 |  |  |

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# Preparing to install Oracle

Add the information below to the bash\_profile for **oracle** user:

# vi /home/oracle/.bash\_profile

export ORACLE\_HOSTNAME=ewbyminw0104t.localdomain

export ORACLE\_UNQNAME=cdb1

export ORACLE\_BASE=/u01/app/oracle

export ORACLE\_HOME=$ORACLE\_BASE/product/12.1.0.2/db\_1

export ORACLE\_SID=cdb1

export PATH=/usr/sbin:$PATH

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

export LD\_LIBRARY\_PATH=$ORACLE\_HOME/lib:/lib:/usr/lib

export CLASSPATH=$ORACLE\_HOME/jlib:$ORACLE\_HOME/rdbms/jlib

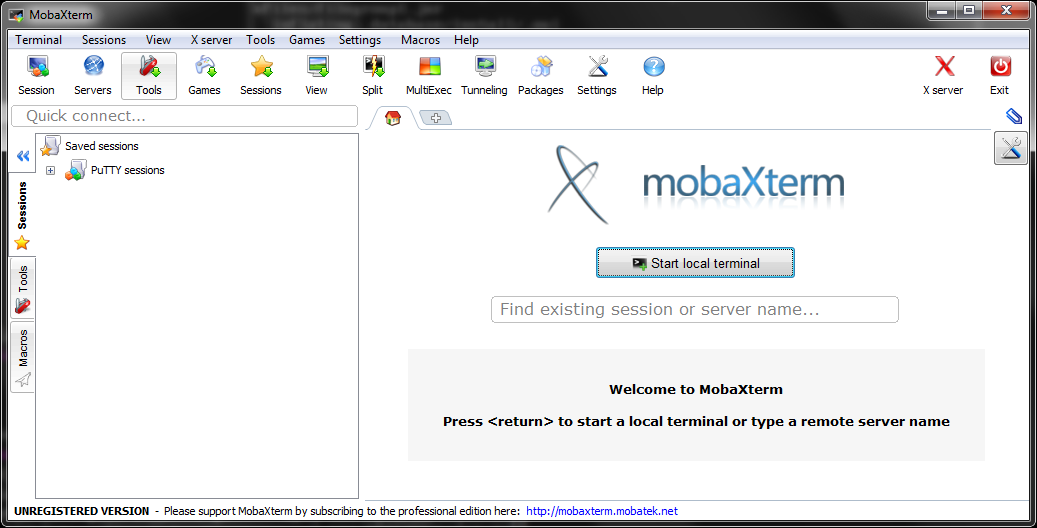
Export DISPLAY variable:

**DISPLAY=192.168.1.1:0.0; export DISPLAY**

Login as **oracle** user. After that, extract achieved files using unzip command.

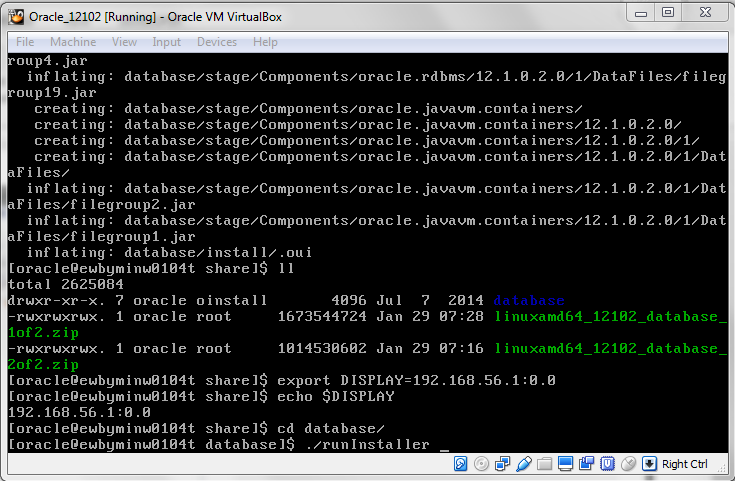
**unzip linux.x64\_11gR2\_database\_1[2]of2.zip**

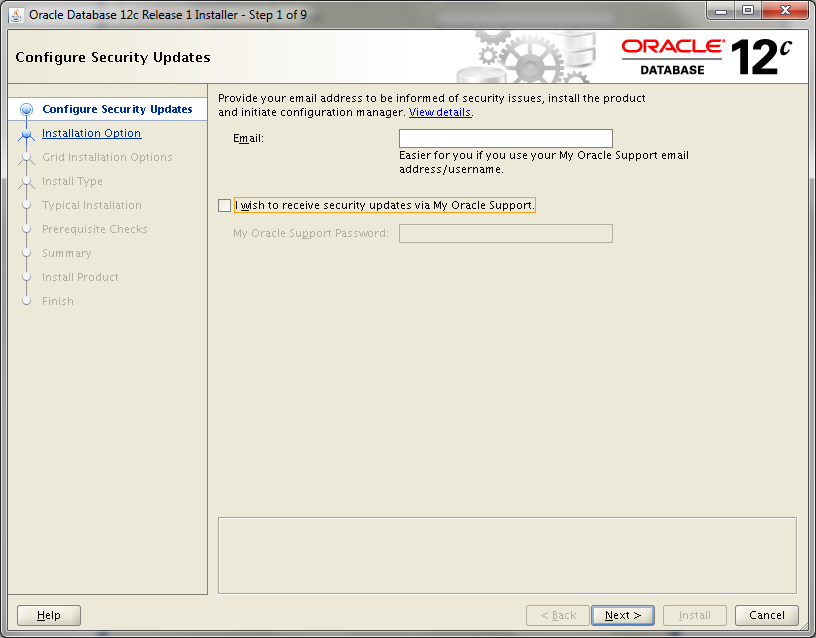
# Installing Oracle Software Only

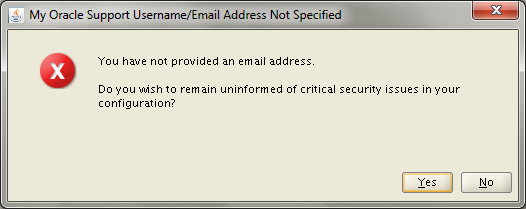


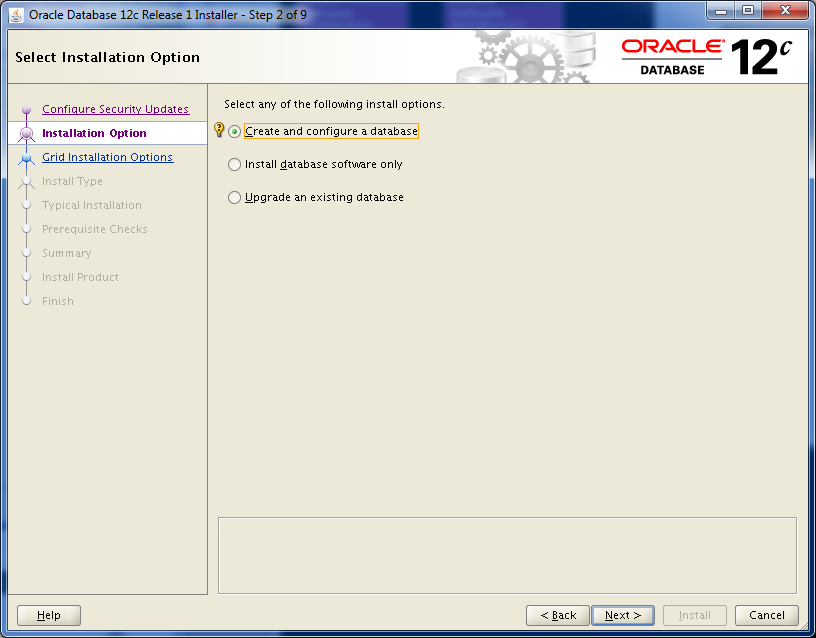
Get into the installation folder and run the next command:

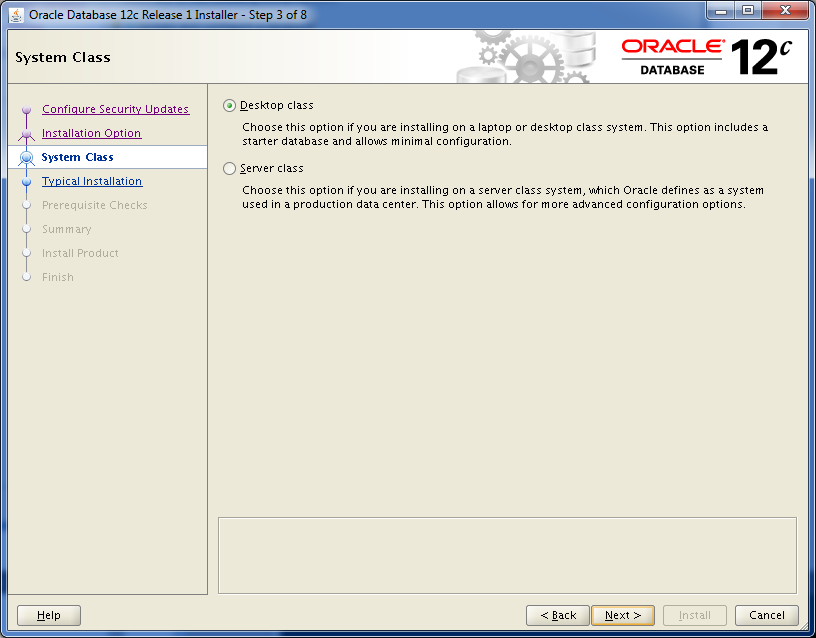
**./runInstaller**

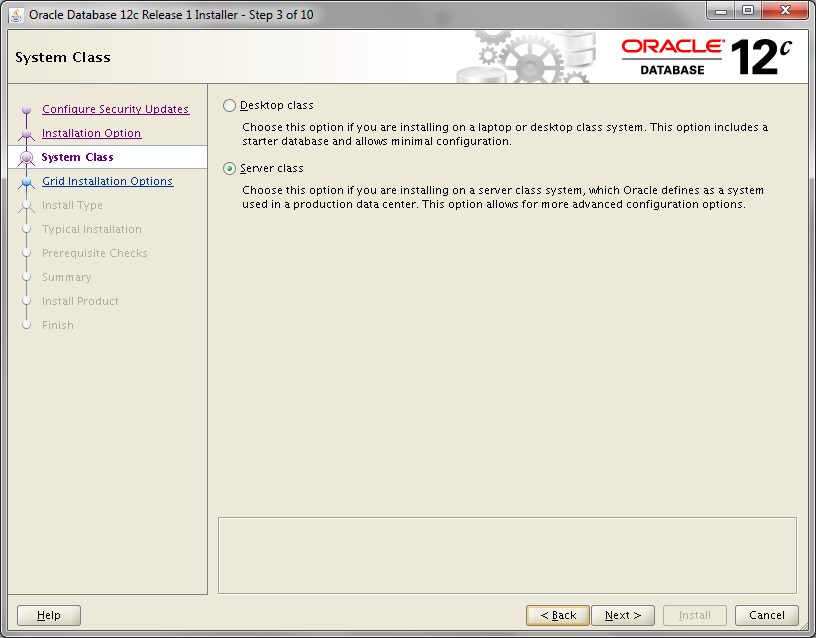


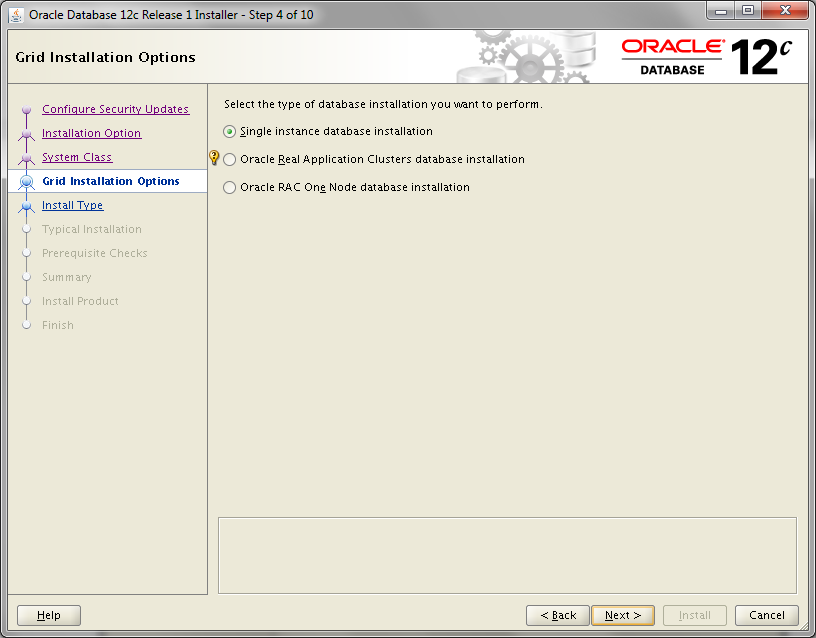


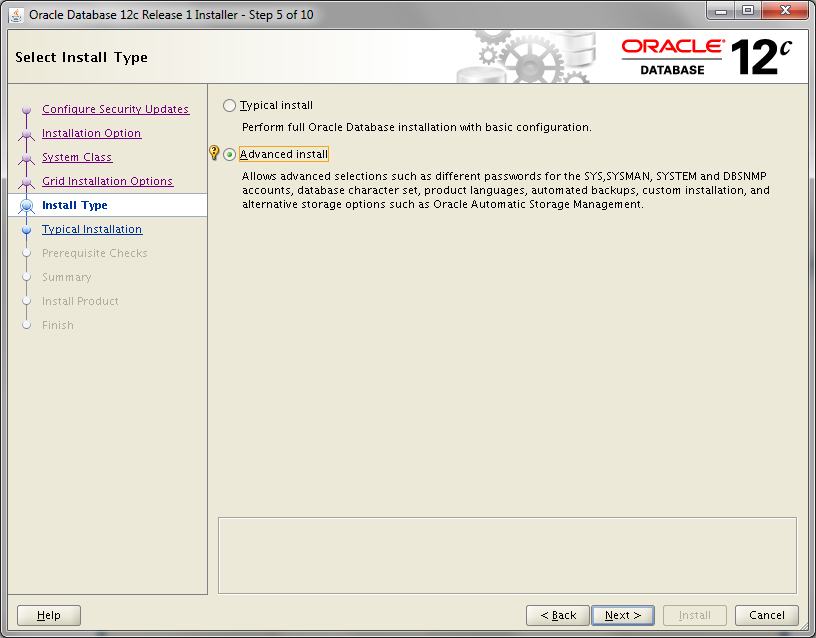


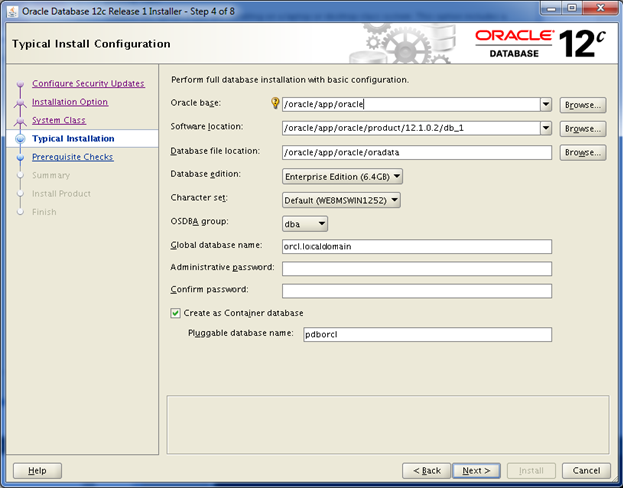


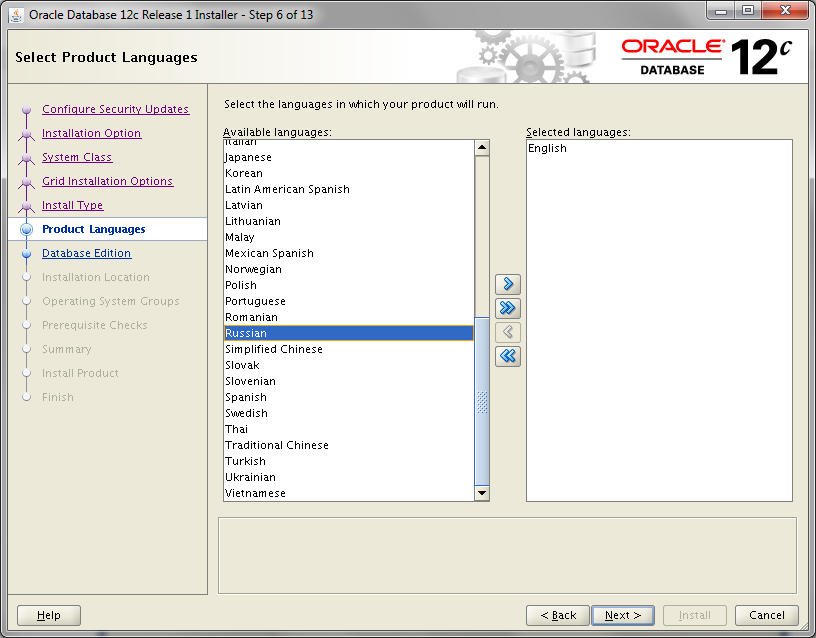


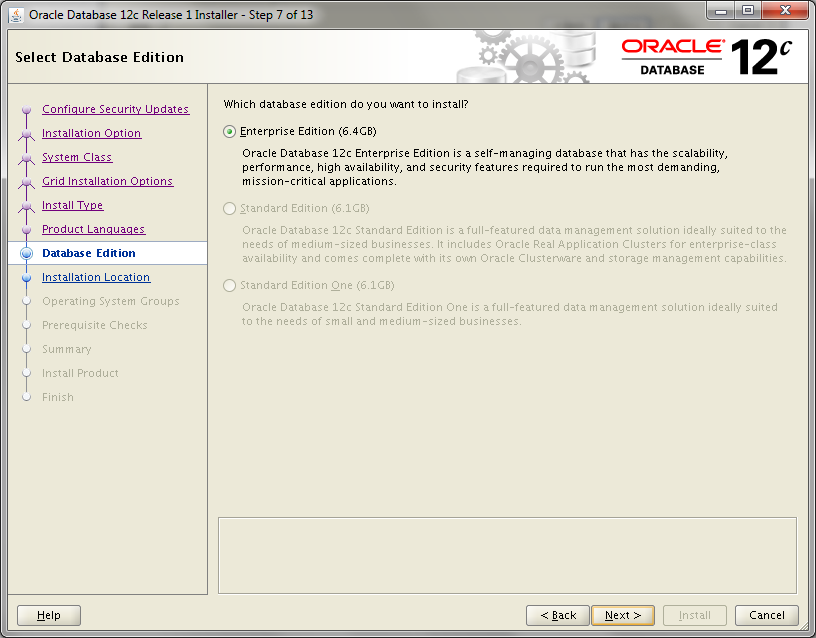


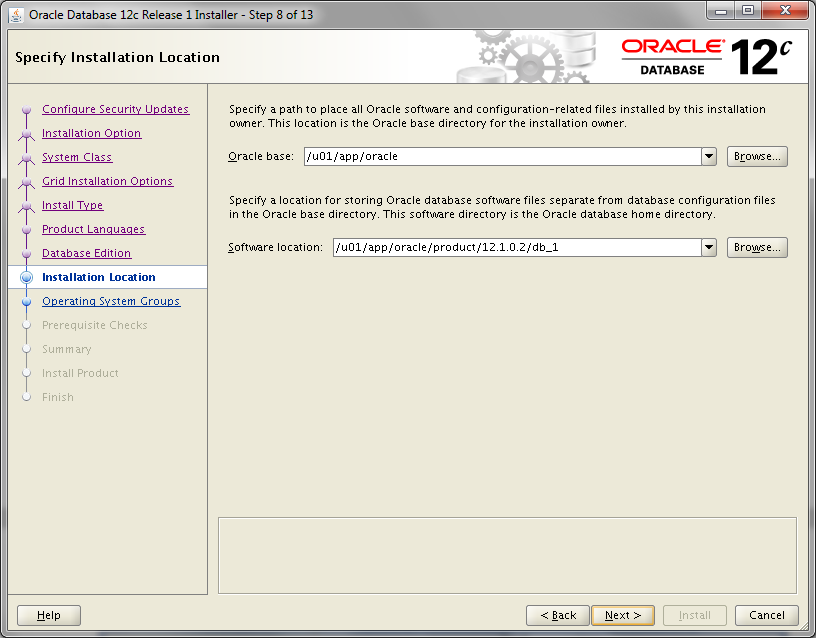


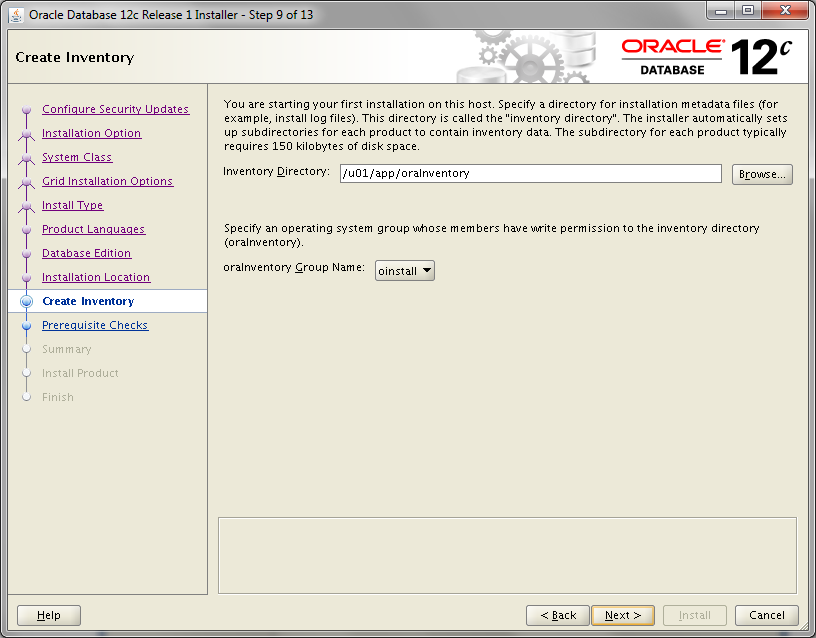


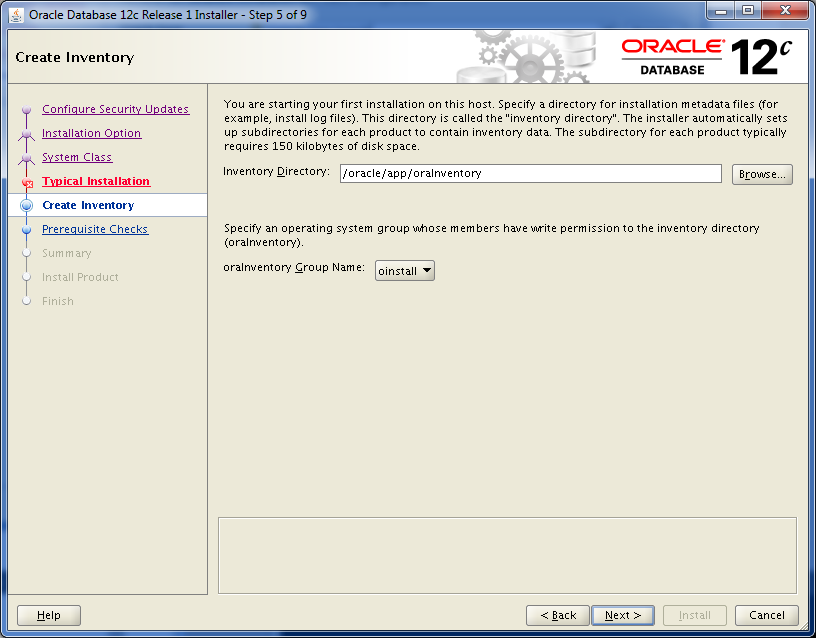


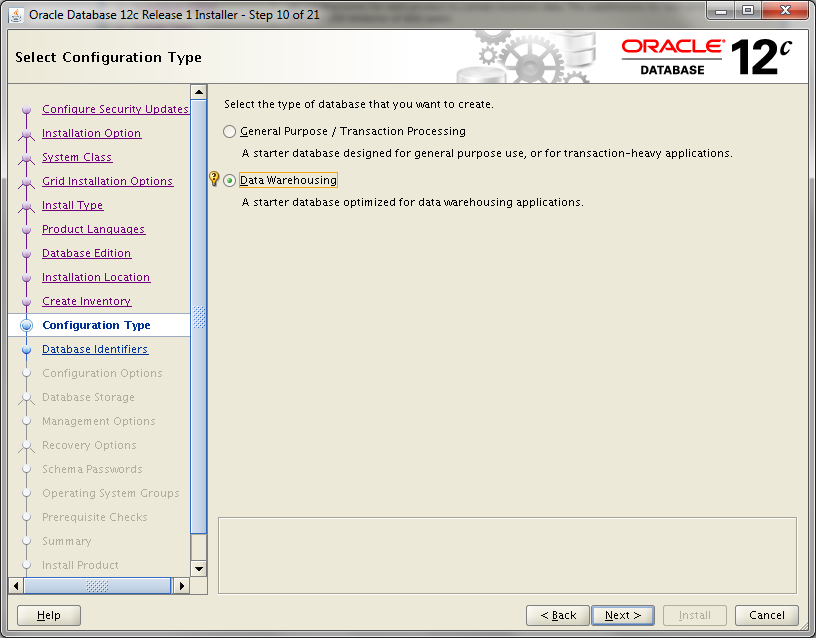


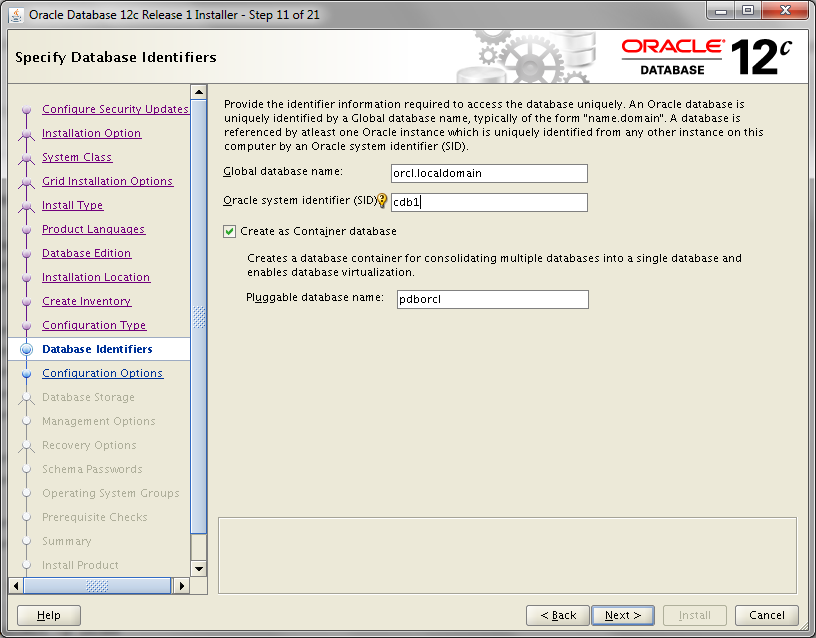


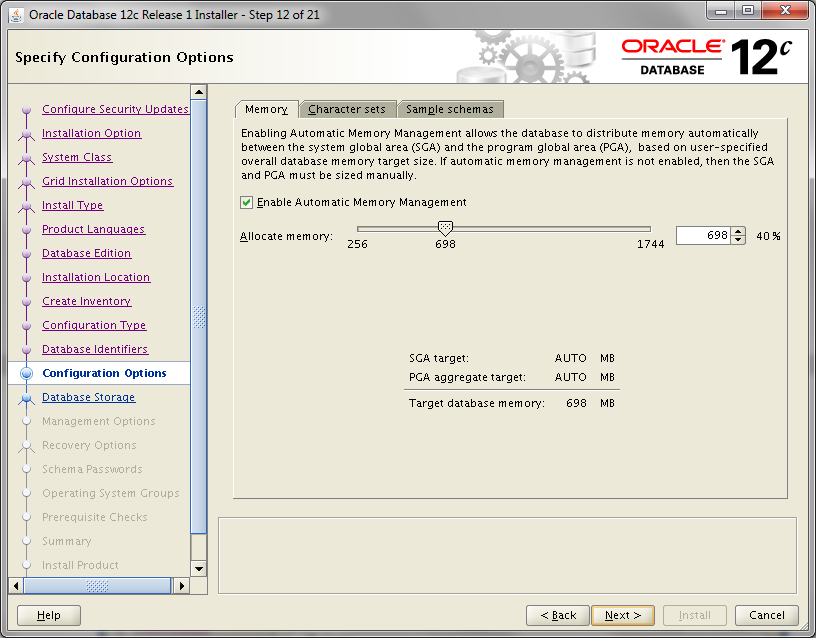


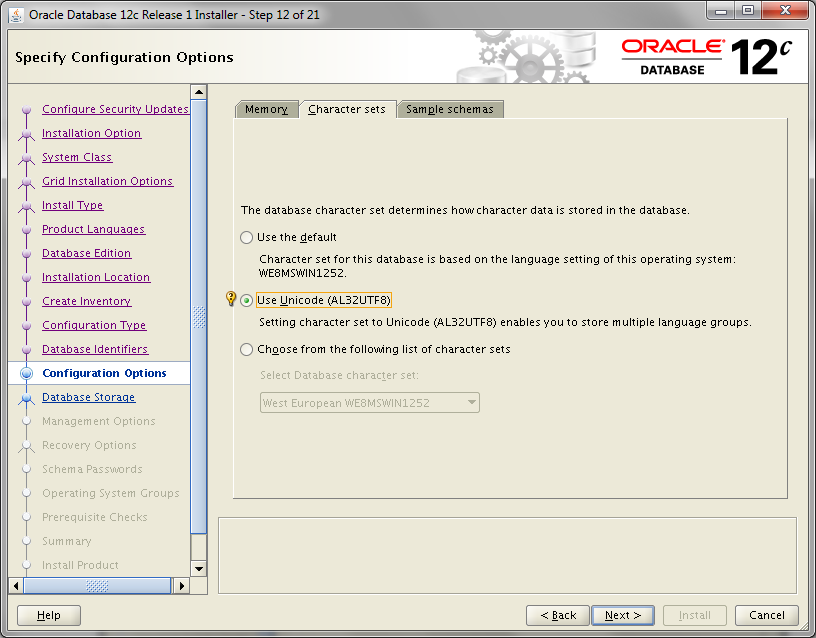


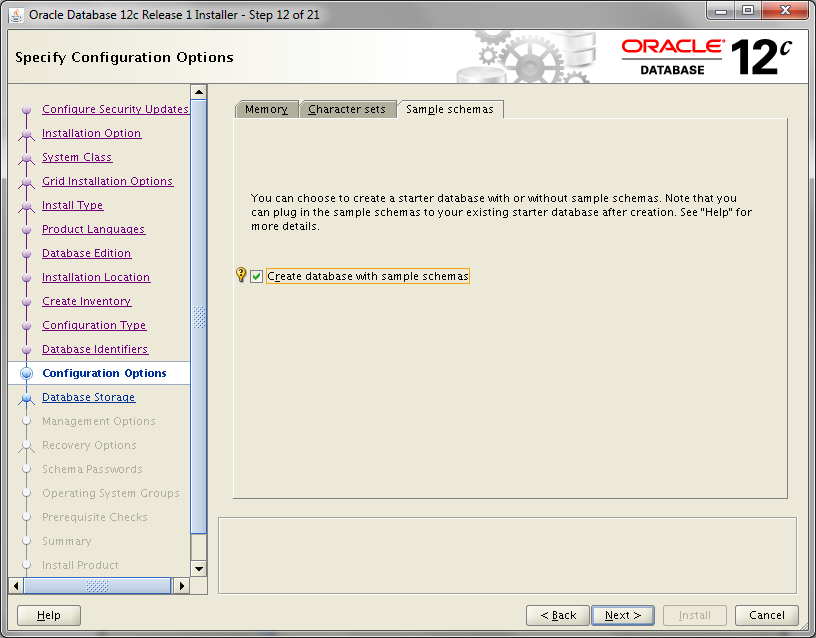


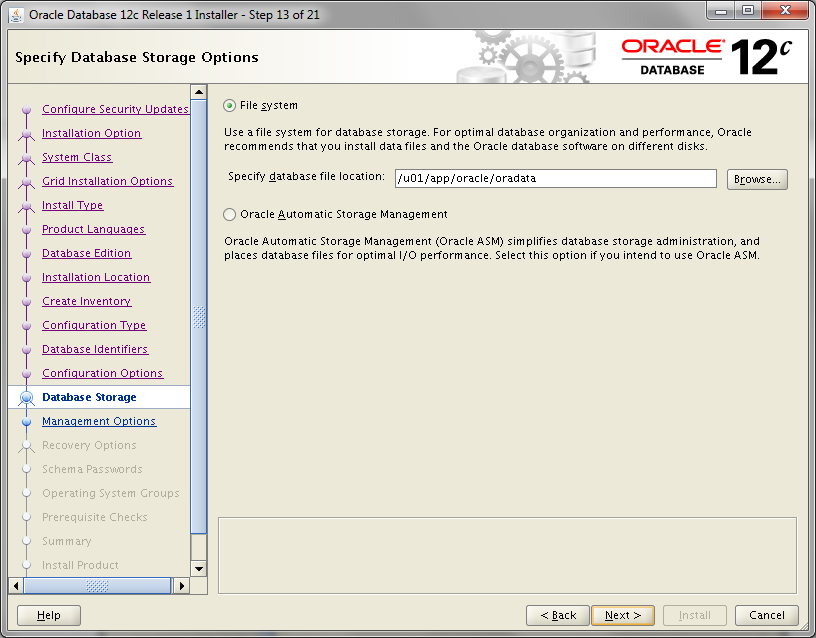


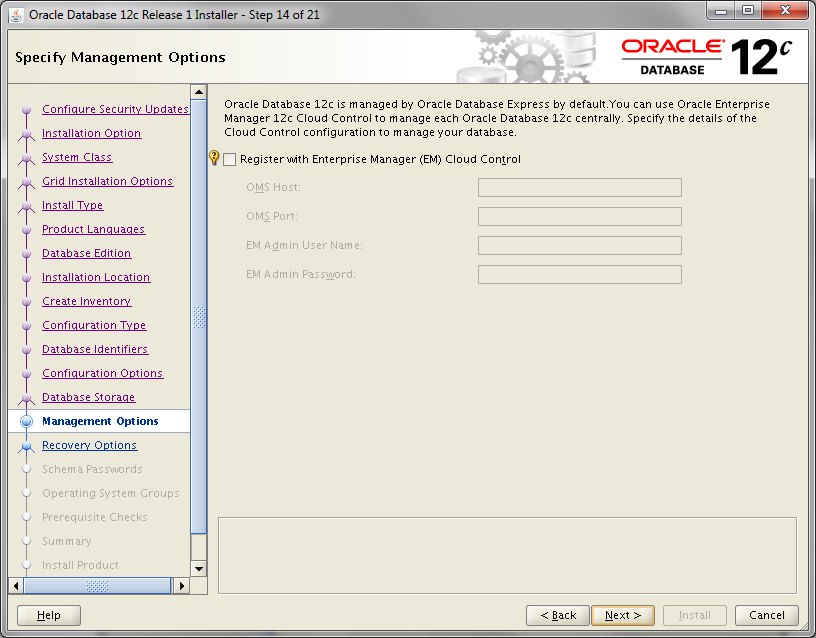


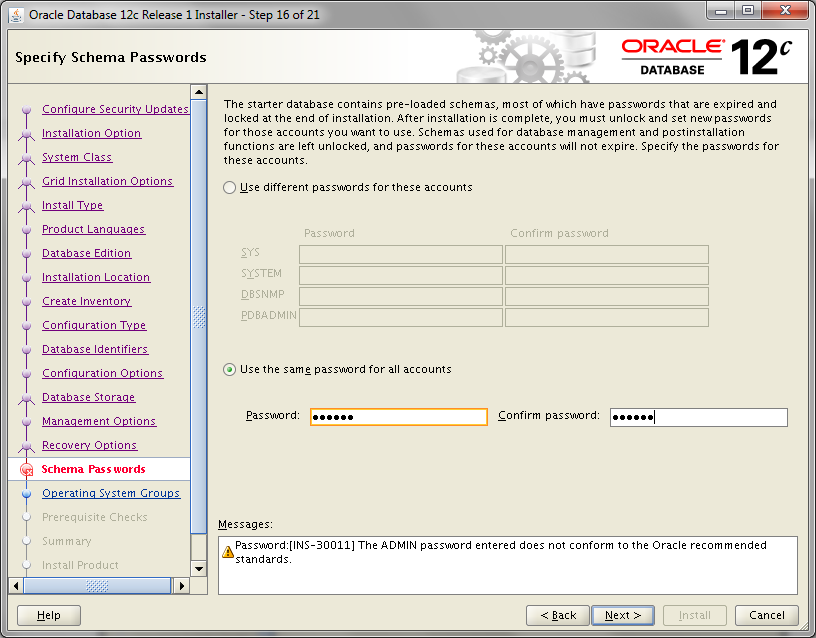


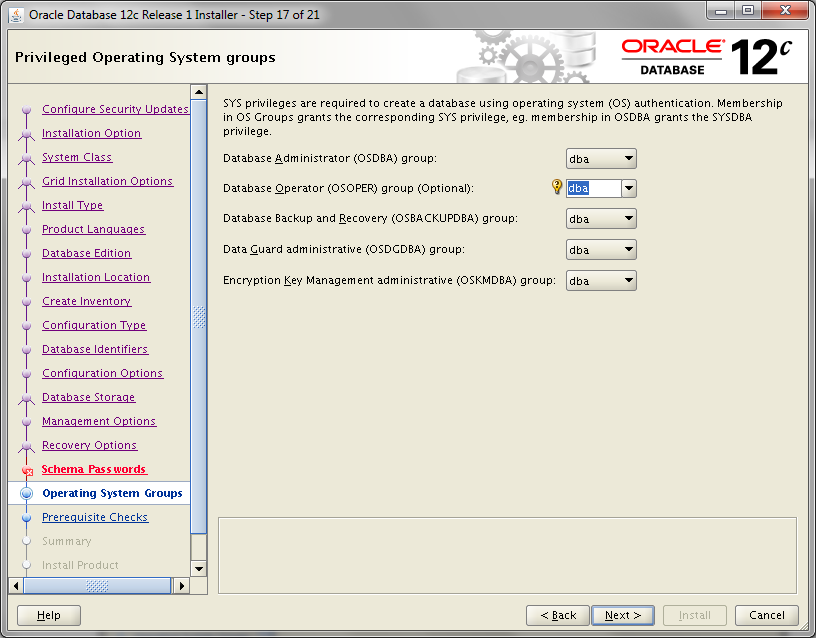


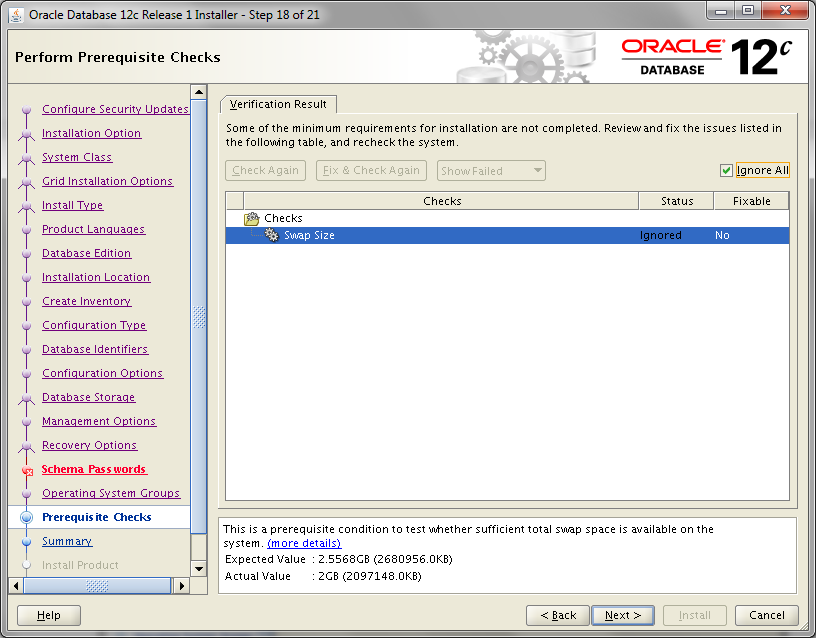


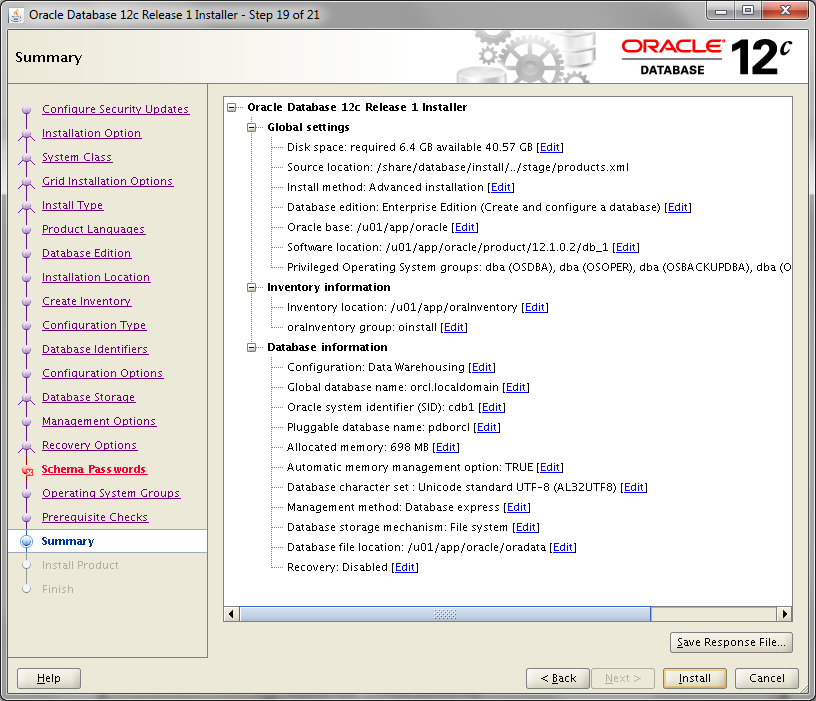




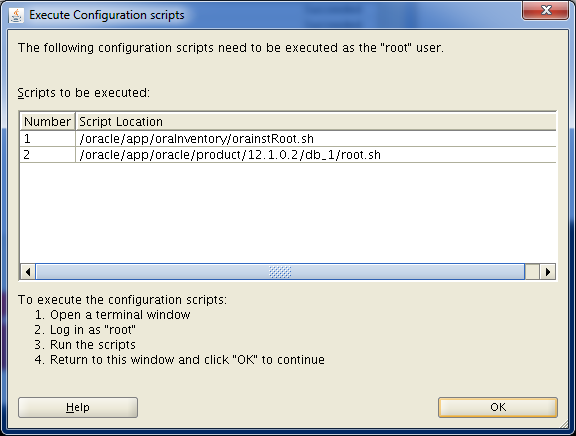


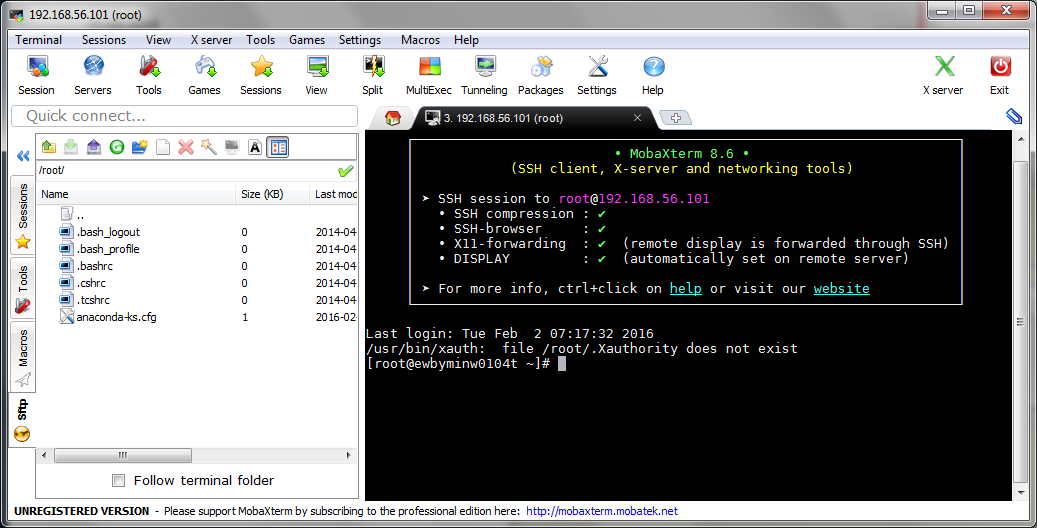


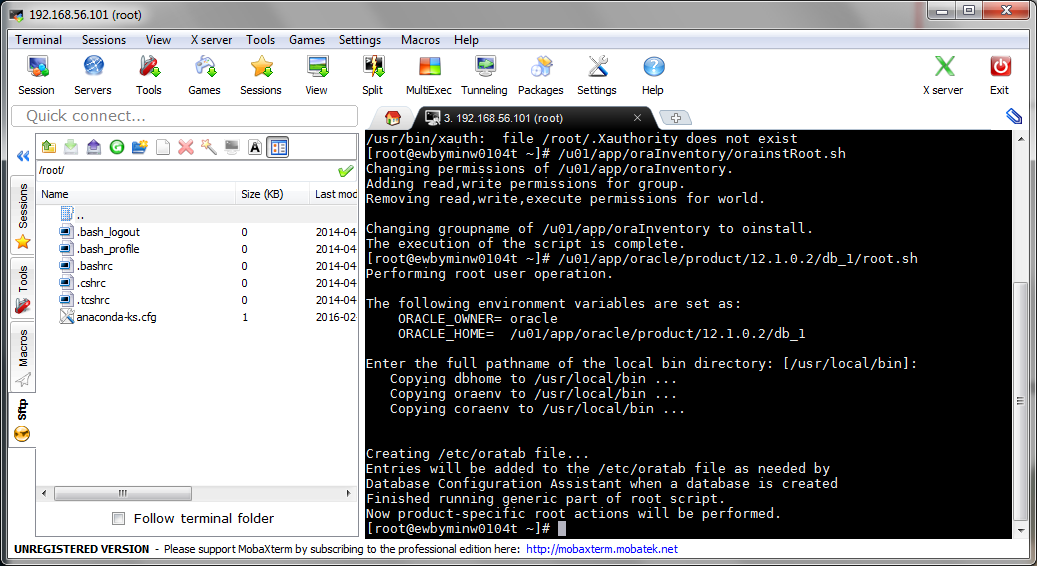


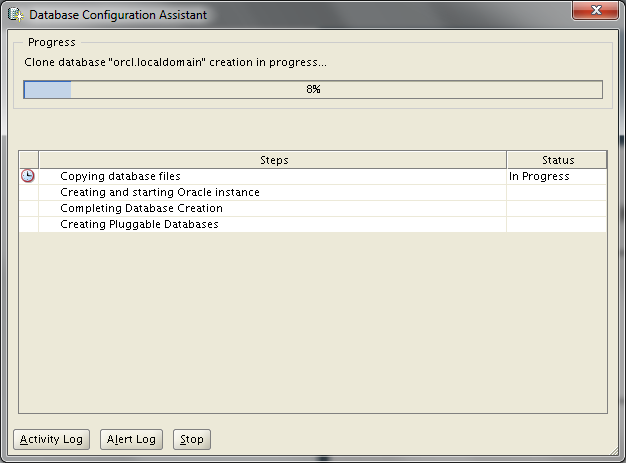


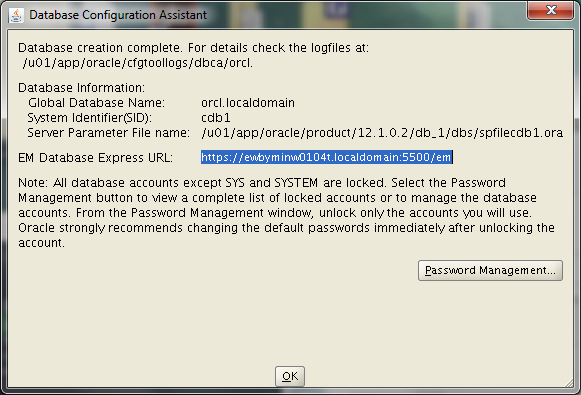
Use this file to attach to your report.

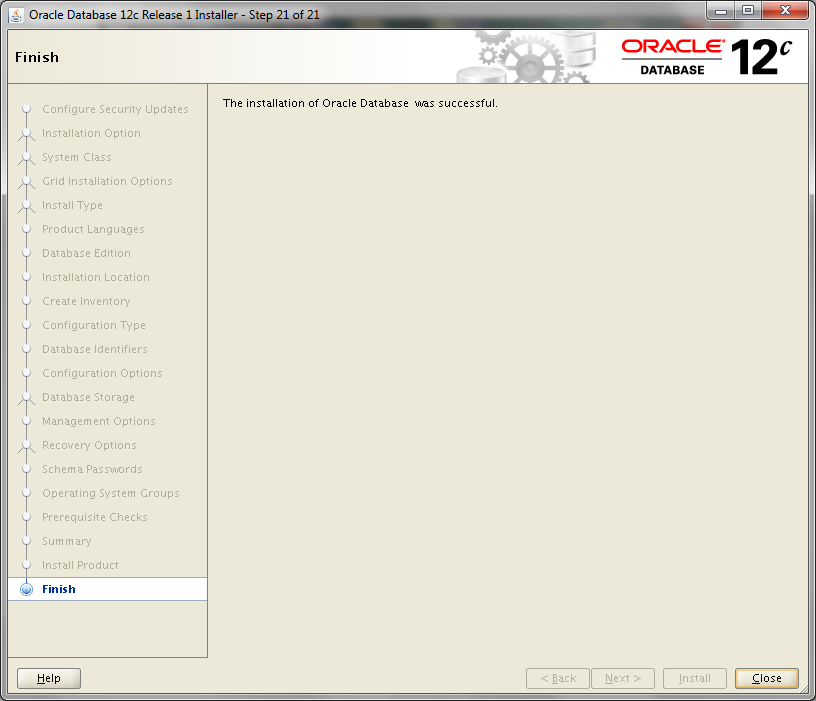








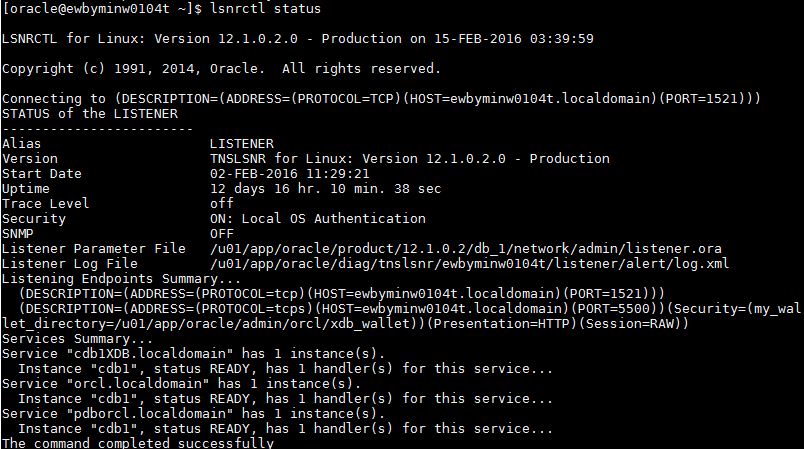




# TNS Listener Status

Check the status of the net listener:

**Lsnrctl status**



Description of configuration file:

**cat /u01/app/oracle/product/12.1.0.2/db\_1/network/admin/listener.ora**

LISTENER =

(DESCRIPTION\_LIST =

(DESCRIPTION =

(ADDRESS = (PROTOCOL = TCP)(HOST = ewbyminw0104t.localdomain)(PORT = 1521))

(ADDRESS = (PROTOCOL = IPC)(KEY = EXTPROC1521))

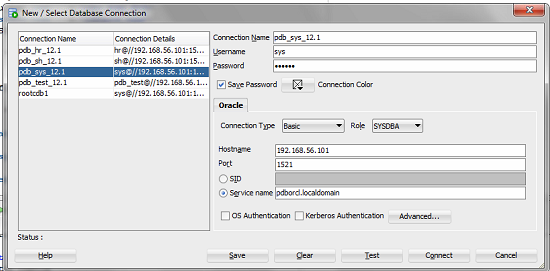
)

)

NOTE: To Start, Stop or get Status of Listeners use lsnrctl (help, start, stop, status …)

# Establish connection

Connect to the Oracle Db via SQL Developer. Start with sys user for the pdb container (see below):



# Results

* Reboot Virtual Machine
* Restart Listener:
* Start Oracle Database Instance:
* Attach response file (see one the slides above) to the report.
* Connect to the Oracle DB via SQL Deveoper.