# Ticket # 3897

We currently have a database called MoidDB on Linux-223 Server. Please upgrade MoidDB only to 12c. More details are provided below.

# **Environment:**

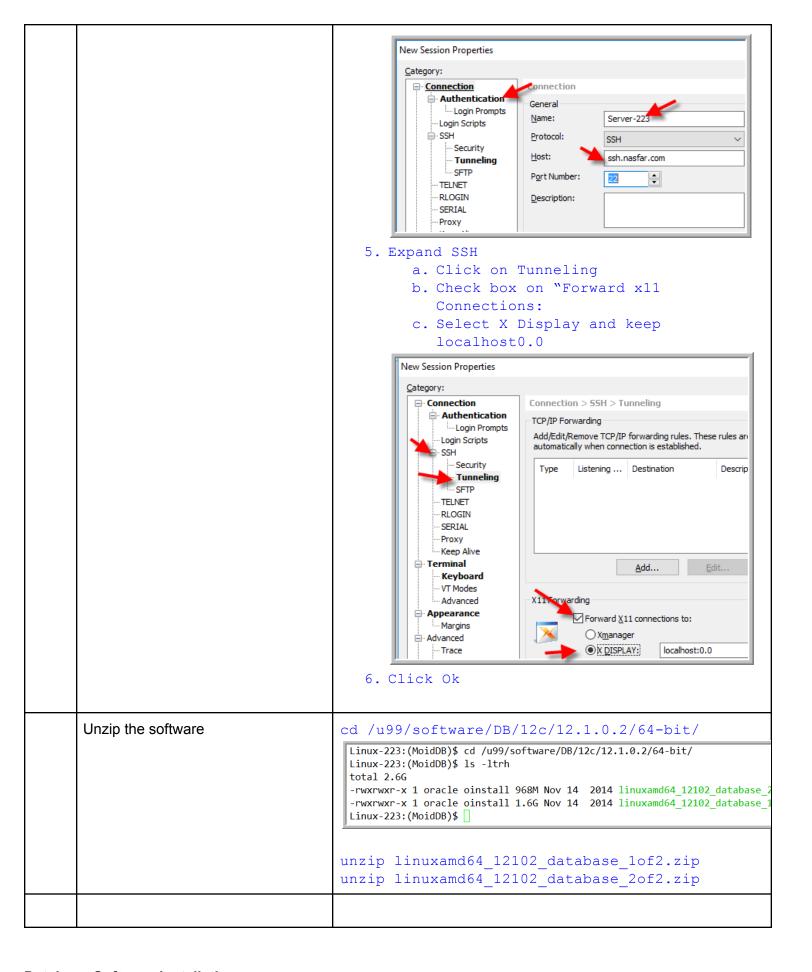
Hostname:	192.168.0.223	Linux-223:(none)\$ hostname Linux-223	
Database Name:	MoidDB	. oraenv → MoidDB echo \$ORACLE_SID  Linux-223:(none)\$ . oraenv	
		ORACLE_SID = [none] ? MoidDB The Oracle base remains unchanged with v Linux-223:(MoidDB)\$ echo \$ORACLE_SID MoidDB	
Current status of DB?	Open	<pre>sqlplus / as sysdba select status from v\$instance;</pre>	
		SQL> select status from v\$instance;	
		STATUS	
		OPEN	
Current Oracle Home:	/u01/app/oracle/product/11.2.0/db_1	Linux-223:(MoidDB)\$ echo \$ORACLE_HOME /u01/app/oracle/product/11.2.0/db_1	
Temp TBS Size	minimum is ???? but I have changed to atleast 2 GB.	To check the size of TEMP tablespace:	
		set linesize 80 col tablespace name format a20	
		select	
		TABLESPACE_NAME, BYTES_USED/1024/1024 as Used_space_in_MB,	
		BYTES_FREE/1024/1024 as Free_space_in_MB, (bytes_used+bytes_free)/1024/1024 as Total size in MB	
		from V\$TEMP SPACE HEADER;	
		TABLESPACE_NAME USED_SPACE_IN_MB FREE_SPACE_IN_MB TOTAL_SIZE_IN_MB	
		TEMP 49 0 49	
		How to find the TEMP Datafile names?  set linesize 200 set pagesize 200 col file_name format a40	

```
select file name, bytes/1024/1024 as size in mb,
                                                     round(bytes/1024/1024/1024,2) as size in GB,
                                                     tablespace name from dba temp files;
                                                      FILE_NAME
                                                                             SIZE_IN_MB_SIZE_IN_GB_TABLESPACE_NAME
                                                      /u14/oradata/MoidDB/temp01.dbf
                                                                                              .05 TEMP
                                                     To Increase the size of TEMP tablespace
                                                     ALTER DATABASE tempfile
                                                     '/u14/oradata/MoidDB/temp01.dbf' resize 2048M;
                                                      SQL> ALTER DATABASE tempfile '/u14/oradata/MoidDB/temp01.dbf' resize 2048M;
                                                      Database altered.
                                                      SQL> select file_name, bytes/1024/1024 as size_in_mb, round(bytes/1024/1024/:
                                                                                SIZE_IN_MB SIZE_IN_GB TABLESPACE_NAME
                                                                                     _ _ _ MOLE
2048
                                                      /u14/oradata/MoidDB/temp01.dbf
SGA Size?
              minimum is ???? but I have kept
                                                     alter system set sga max size=2048M scope=spfile;
                                                     alter system set sga target=1024M scope=spfile;
              SGA_target to 1 GB and
                                                     shutdown immediate;
              SGA_max_size to 2 GB
                                                     startup
                                                     show parameter sga
                                                      SQL> alter system set sga_max_size=2048M scope=spfile;
                                                      System altered.
                                                      SQL> alter system set sga_target=1024M scope=spfile;
                                                      System altered.
                                                      SQL> shutdown immediate; <---
                                                      Database closed.
                                                      Database dismounted.
                                                      ORACLE instance shut down.
                                                      SQL> startup 👍
                                                      ORACLE instance started.
                                                      Total System Global Area 2137886720 bytes
                                                      Fixed Size
                                                                                 2228200 bytes
                                                      Variable Size
                                                                              1325400088 bytes
                                                      Database Buffers
                                                                              805306368 bytes
                                                      Redo Buffers
                                                                                 4952064 bytes
                                                      Database mounted.
                                                      Database opened.
                                                      SQL> show parameter sga
                                                      NAME
                                                                                            TYPE
                                                                                                        VALUE
                                                      lock_sga
                                                                                            boolean
                                                                                                        FALSE
                                                                                                        FALSE
                                                      pre_page_sga
                                                                                            boolean
                                                      sga_max_size
                                                                                            big integer 2G 1
                                                      sga_target
                                                                                            big integer 1G 👉
                                                      SQL>
```

#### Pre-upgrade:

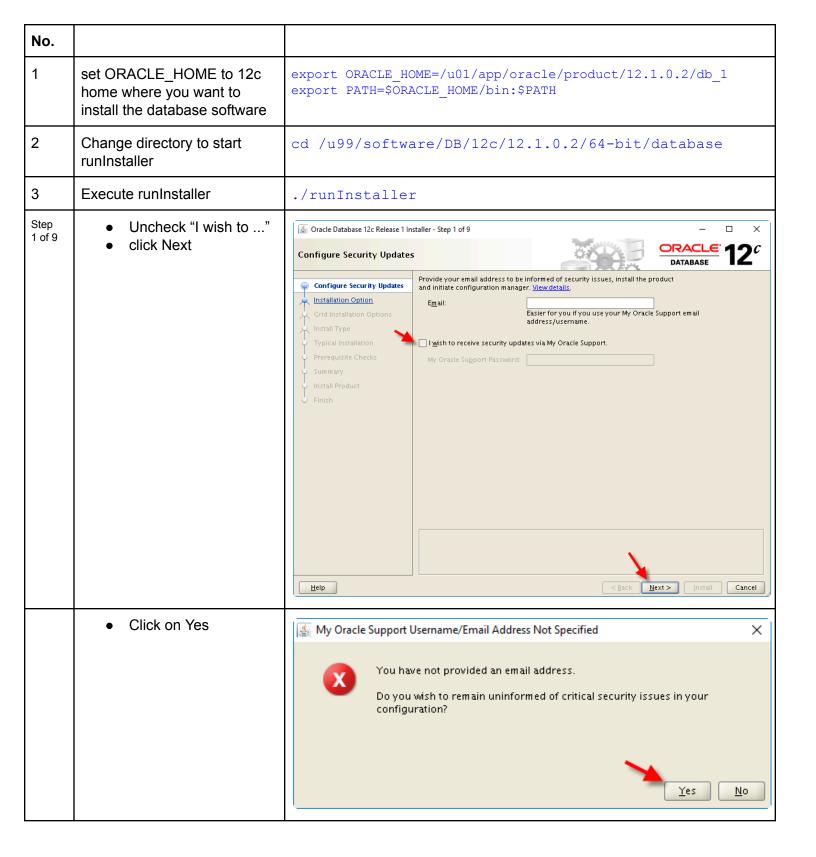
Step	Description	Commands / Screenshot
No.		

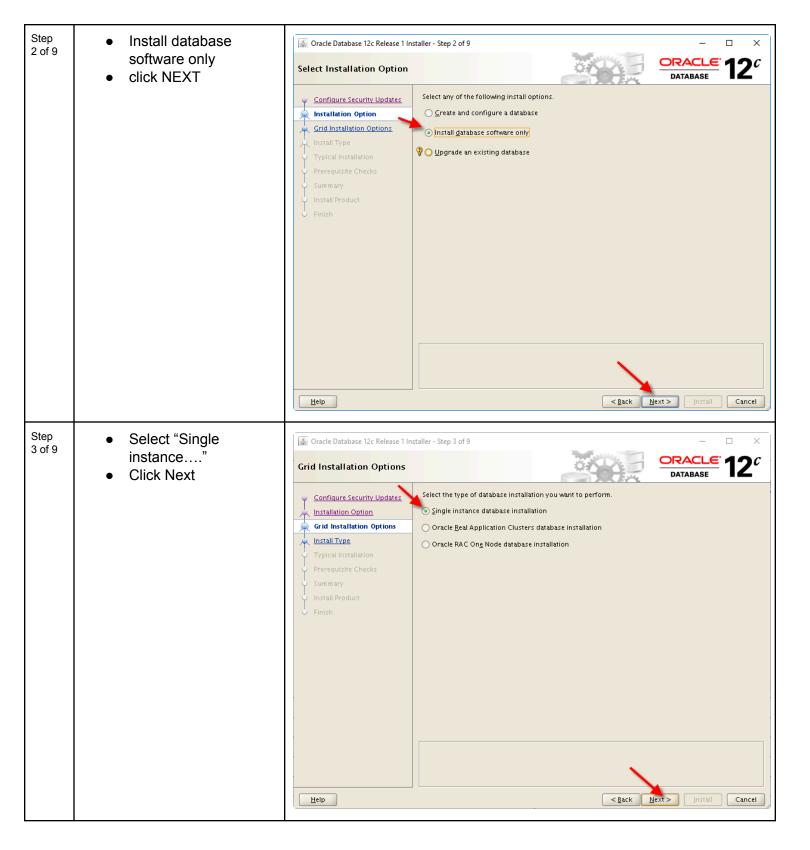
#### Download 12c software to Laptop Oracle Database 12c Release 1 (12.1.0.2.0) from **Enterprise Edition** http://www.oracle.com/technetwork/d atabase/enterprise-edition/download s/database12c-linux-download-2240 591.html Thank you for accepting the OTN License Agreement; you may now down Oracle Database 12c Release 1 (12.1.02.0) for Microsoft V winx64\_12102\_database\_1of2.zip (1,580,194,397\_bytes) winx64 12102 database 2of2.zip (1, 3,299,689 bytes) Use Winscp to copy software to 造 C: Windows8\_OS 🔻 🚰 🕎 🖛 🕶 🕩 🗈 🐚 🎧 🎜 😘 📗 64-bit 🔻 🗂 🕎 🖝 🖚 🔻 🔁 🔀 🥻 Find Files 🗞 🖟 Upload 🖟 📝 Edit 🗶 🚅 🕞 Properties 🛗 🐚 🖟 🖃 👿 🖟 😭 Download 😭 📝 Edit 🗶 🚅 🖫 Properties 🛗 🐚 🖟 🖃 💟 Server. C:\Users\conta\Downloads /u99/software/DB/12c/12.1.0.2/64-bit Name Size Type Changed Name Size Changed 11/15/2014 1:57:47 AM Parent directory 1/27/2016 10 I chose the software staging location linuxamd64\_12102\_d linuxamd64\_12102\_database\_1of2.zip 1,634,32... 11/14/2014 6:31:42 PM linuxamd64\_12102\_da.... Xming-6-9-0-31-setu... Inuxamd64\_12102\_database\_2of2.zip 990 753 KB 11/14/2014 6:31:10 PM to be on Server-223: 2,154 KB Application /u99/software/DB/12c/12.1.0.2/64-bit/ Download the following: Xming from: http://sourceforge.net/projects/xming/ files/latest/download Xming fonts from: http://sourceforge.net/projects/xming/ files/Xming-fonts/7.5.0.93/Xming-font s-7-5-0-93-setup.exe/download and install both softwares with default settings. Once xming is download and installed, verify it is running. If not, start the program. Once the xming is started, you will see an icon in systray. く 口 (か) 🗏 11:52 AM Wednesday start x-shell (or putty) with x-11 1. start xshell (I am using xhell 5) enabled. 2. Click File 3. Click New 4. Expand Connections a. Click on Authentication b. Name: Server-223 c. Protocol: SSH d. Host: ssh.....com e. Port: 22

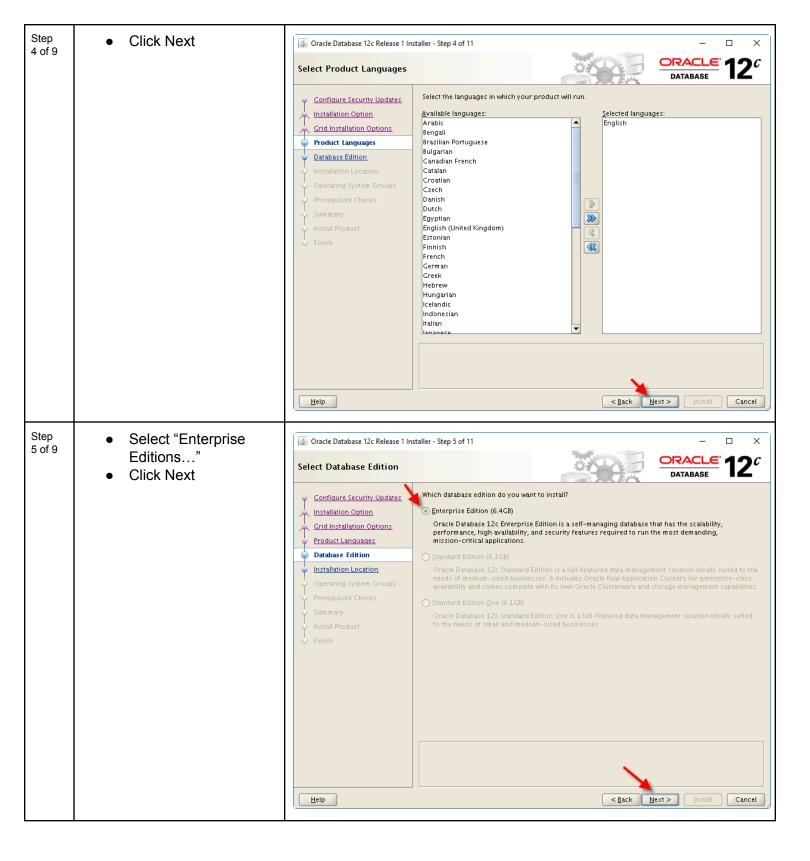


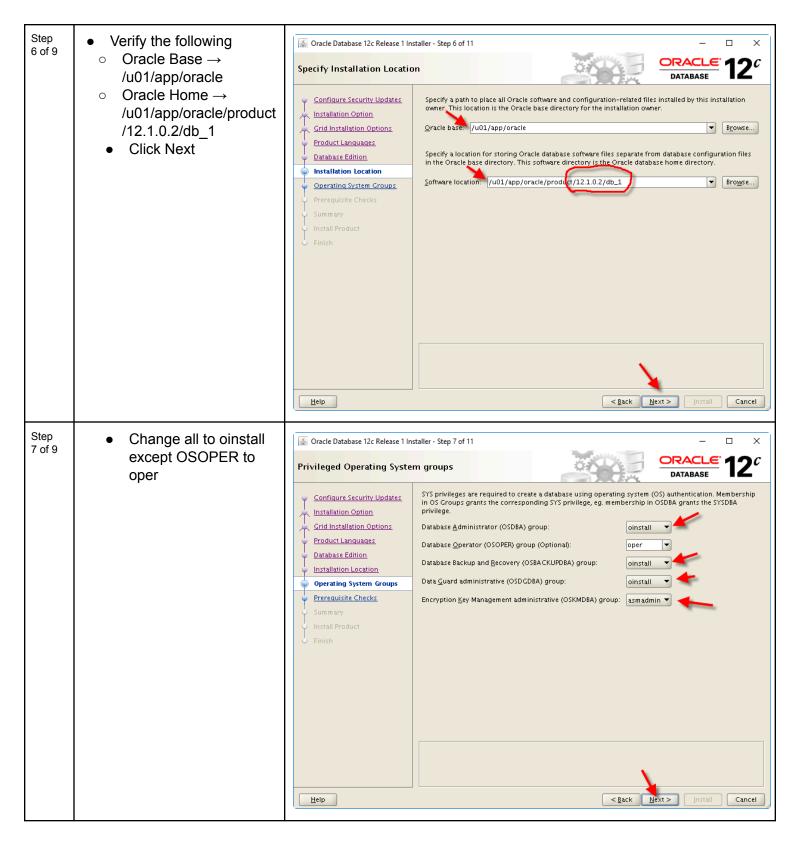
## **Database Software Installation:**

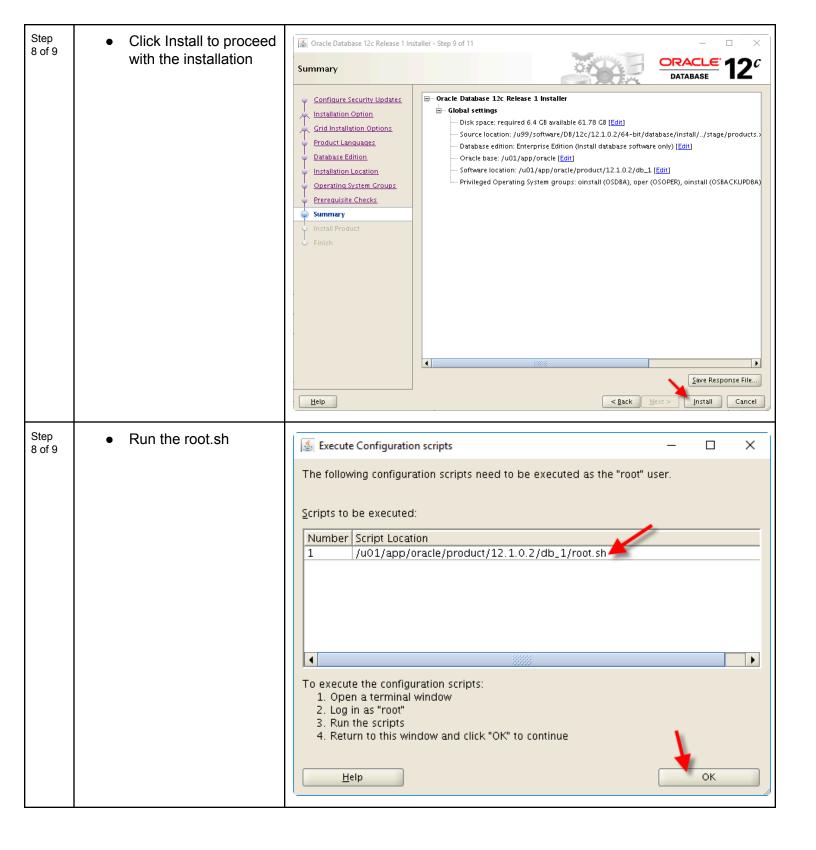
Step	Description	Commands / Screenshot
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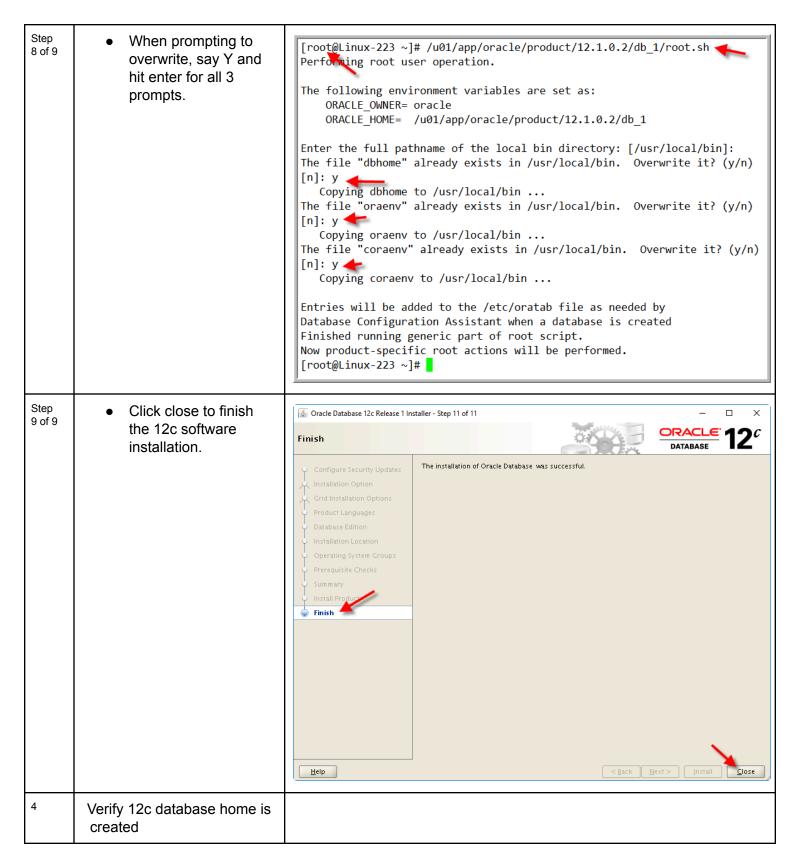






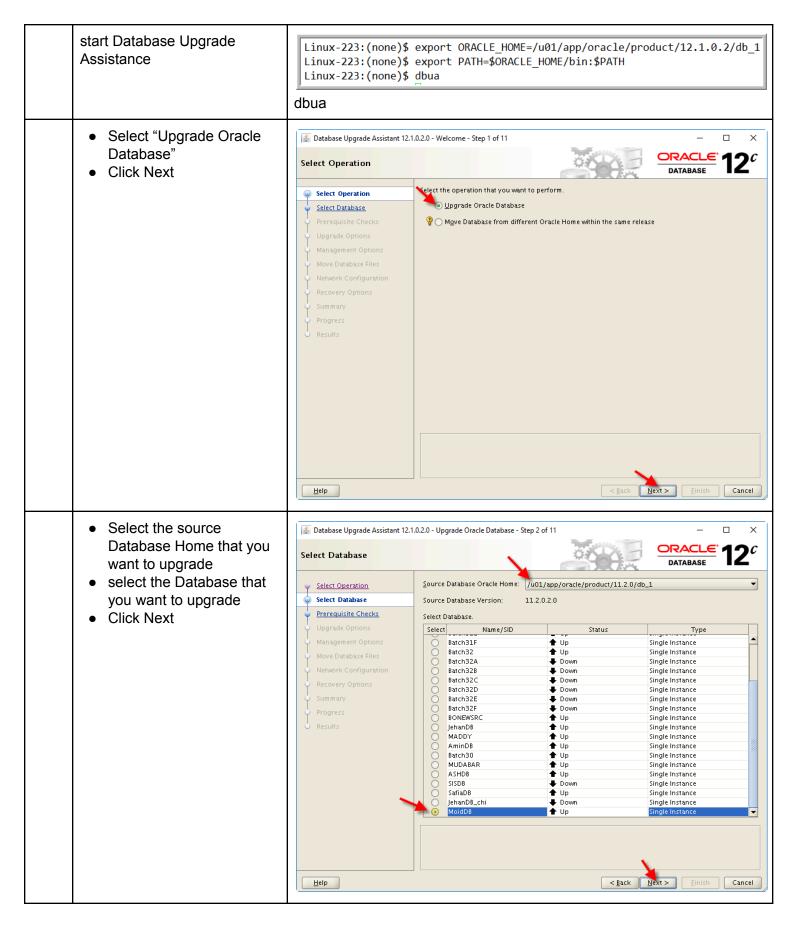


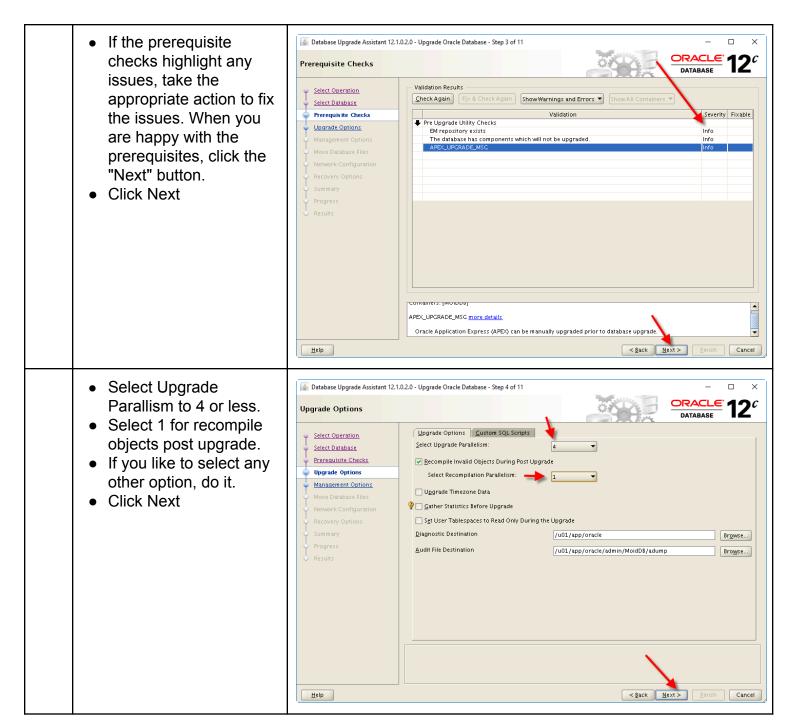


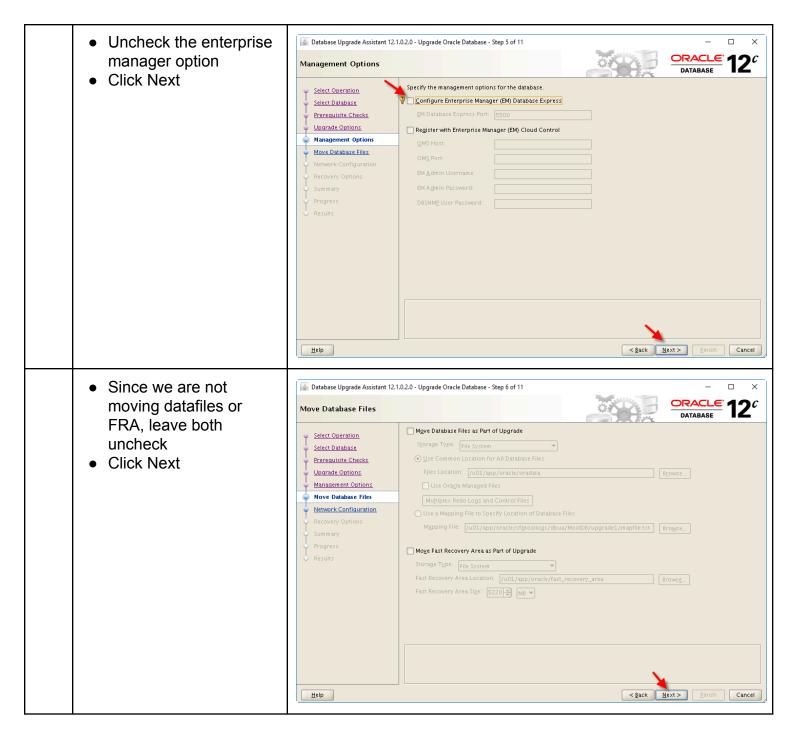


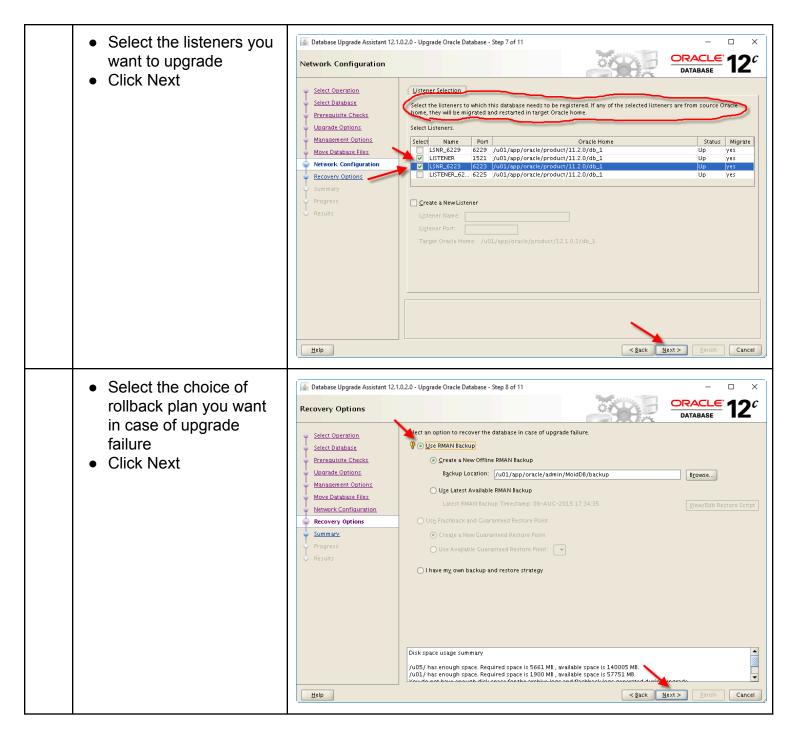
## **Upgrade:**

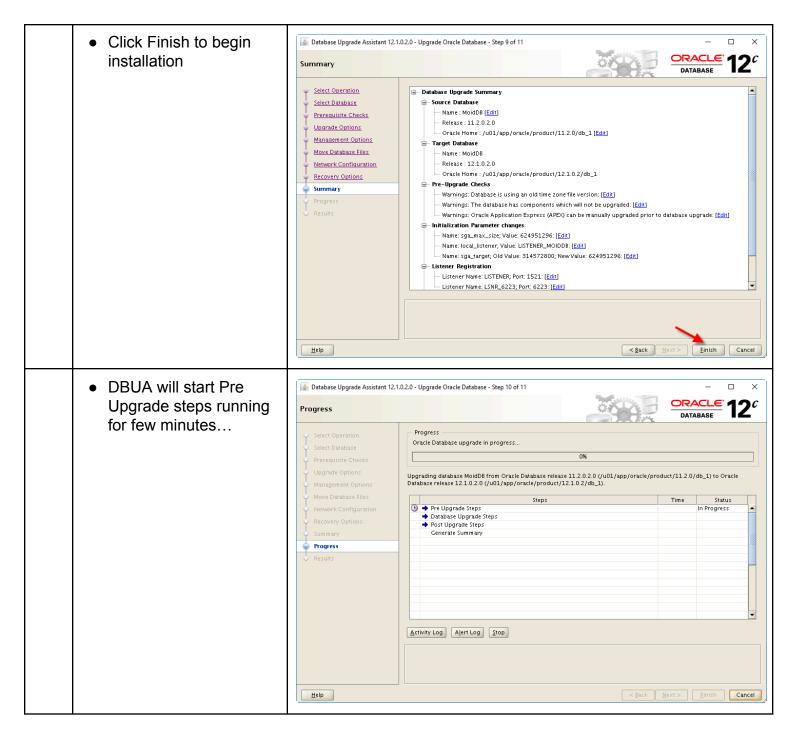
Step No.	Desciption	Command / Screenshot
1	Set environment to new 12 oracle home	<ul> <li>export ORACLE_HOME=/u01/app/oracle/product/12.1.0.2/db_1</li> <li>export PATH=\$ORACLE_HOME/bin:\$PATH</li> </ul>



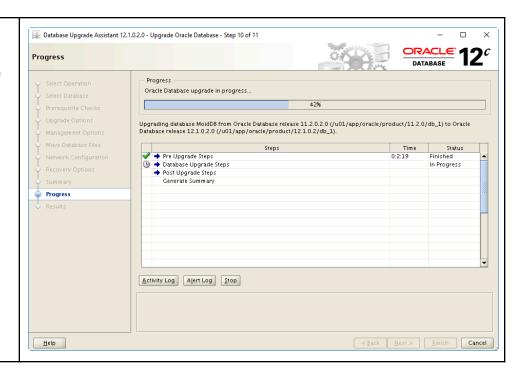








 ...before database upgrade steps starts, you'll see a screen like the following→



Post-Upgrade:

Step No.	Description	Commands / Screenshot