

12c upgrade overview of oracle applications 12.1.3

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Here I am going to demonstrate the 12c upgrade overview of oracle applications 12.1.3.

Note: Sometime you may face listener issues when you're doing adconfig in db tier, In this case you should recreate the listener with same port number and also register your sid at listener.ora file

Step 1: Please note my current environment

EBS Application Version : 12.1.3

Database Version : 11.2.0.2

Operating System : Redhat 5.6 64bit

RAM: 8GB

CPU : 4

Step 2: Target Server after upgrade

EBS Application Version : 12.1.3

Database Version : 12.1.0.2.0

Step 3: Please check the your current database version supported for direct upgrade method

<http://docs.oracle.com/database/121/UPGRD/preup.htm#i1007718>

As per documentation , I can able to use direct upgrade method

11.2.0.2 → 12.1.0.2

Step 4: Apply below listed application patch on application tier. If your EBS version 12.1.3 means, you may not need to apply some of the prerequisite patches which are noted on read me text while applying patch

Example : R12.AD.B.delta.2, you may apply this patch when you were upgraded ebs version to 12.1.3

However, you may check from below queries

```
select * from ad_bugs
```

Apply listed below patch on the application tier using by adpatch after shutdown the application service

- 8796558
- 12923944
- 13473483
- 16289505
- 18843706
- 19558309

Step 5: prepare to create the Oracle 12c home

Install Oracle Software:

```
[root@ebsuatbah u01]# mkdir -p app/oracle/db/tech_st/12c
```

```
[root@ebsuatbah u01]# chown -Rf orauat:dba app
```

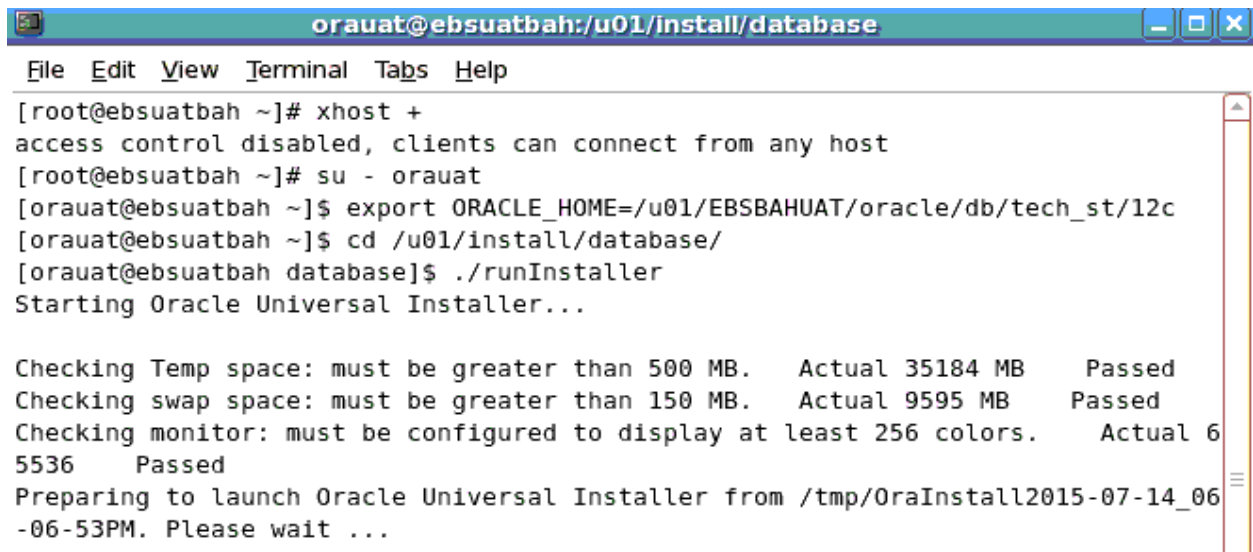
```
[root@ebsuatbah u01]# chmod -Rf 775 app
```

Download below patches :

p17694377_121020_Linux-x86-64_1of8.zip

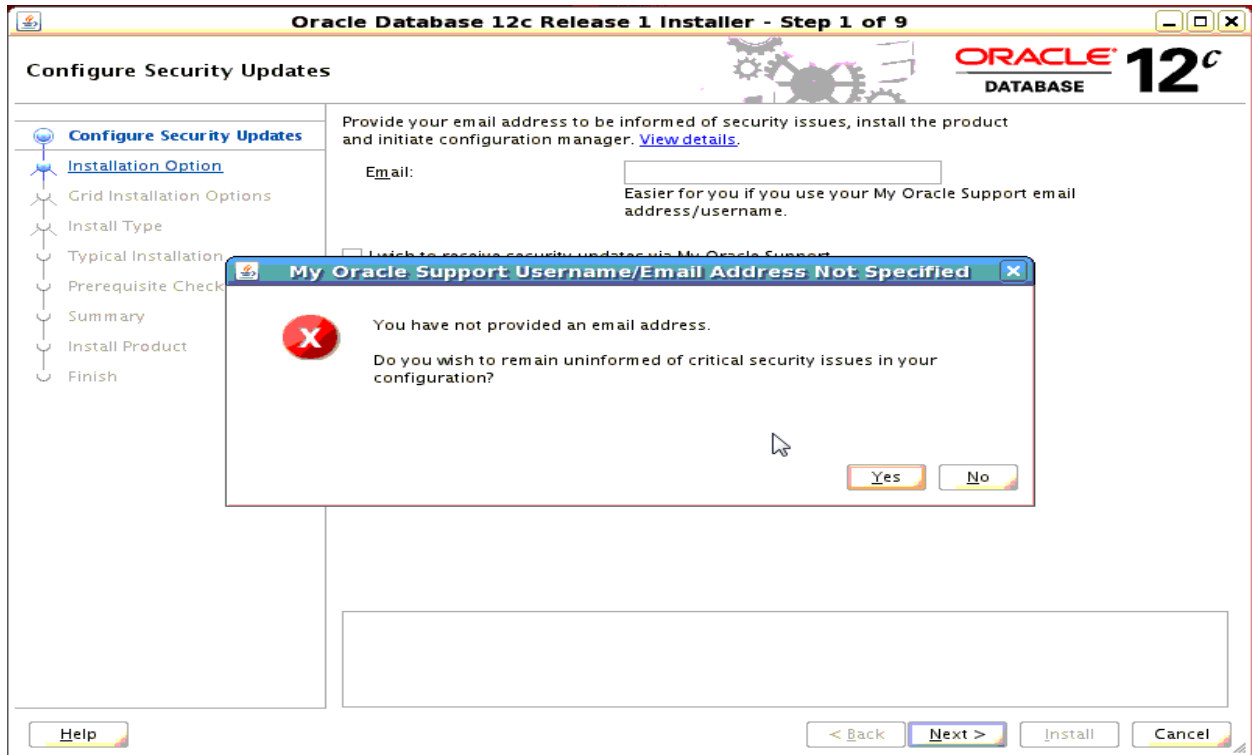
p17694377_121020_Linux-x86-64_2of8.zip

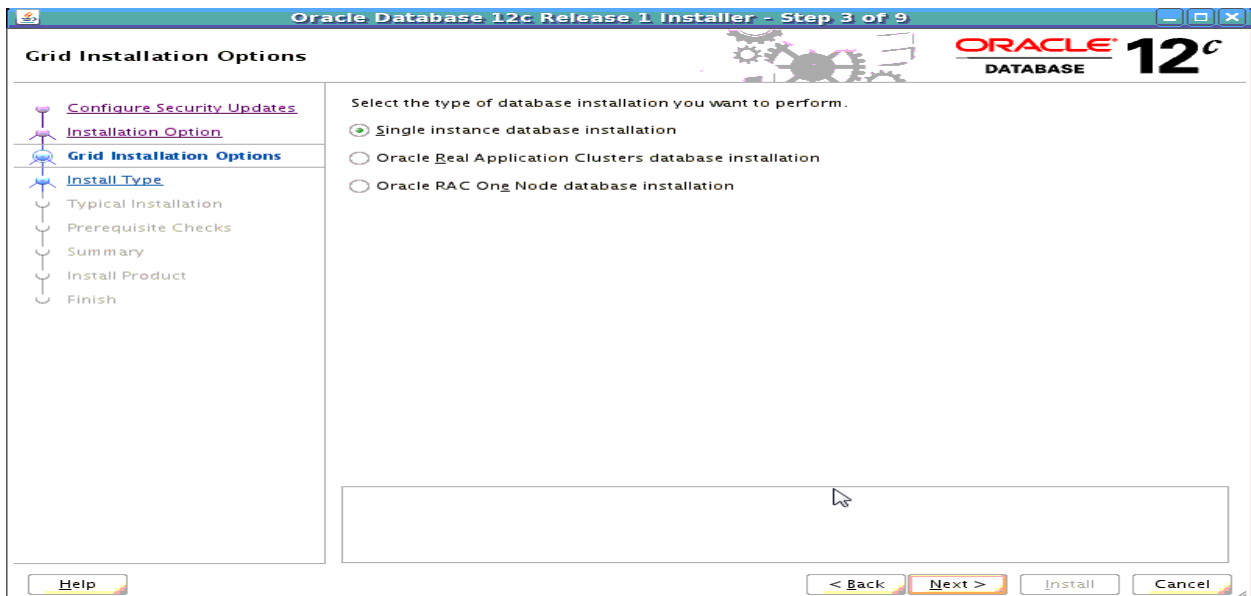
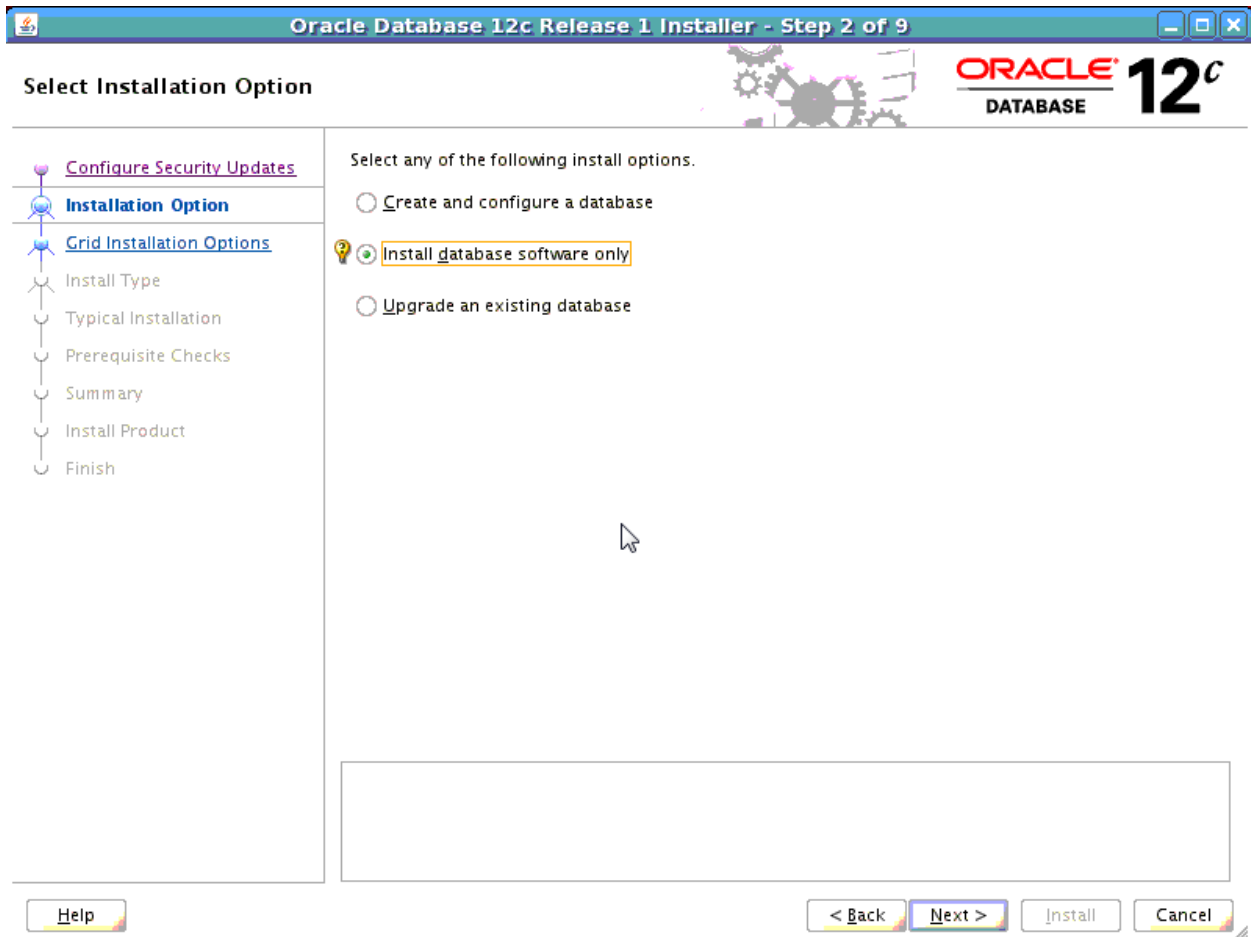
p17694377_121020_Linux-x86-64_7of8.zip (Examples Software – optional)

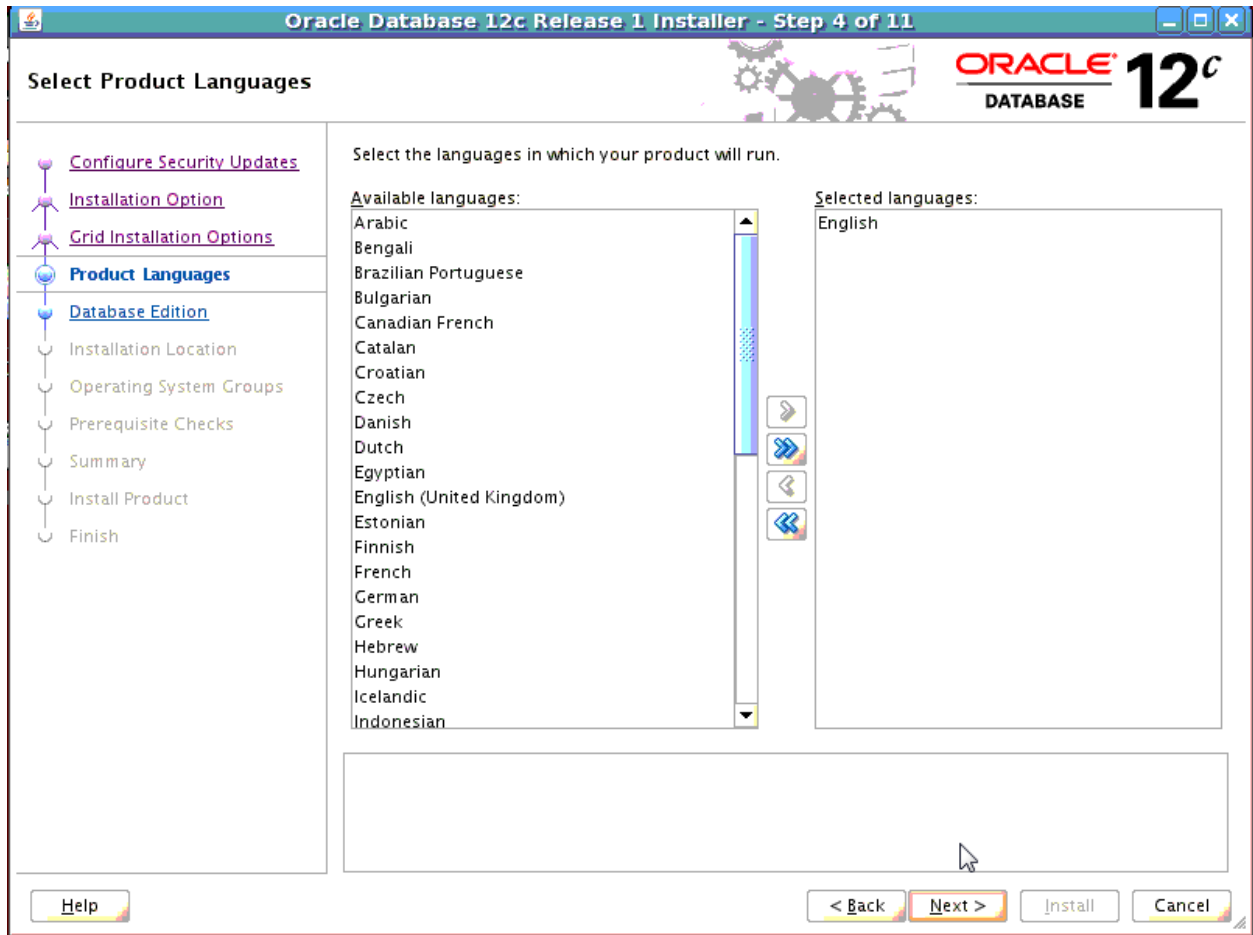


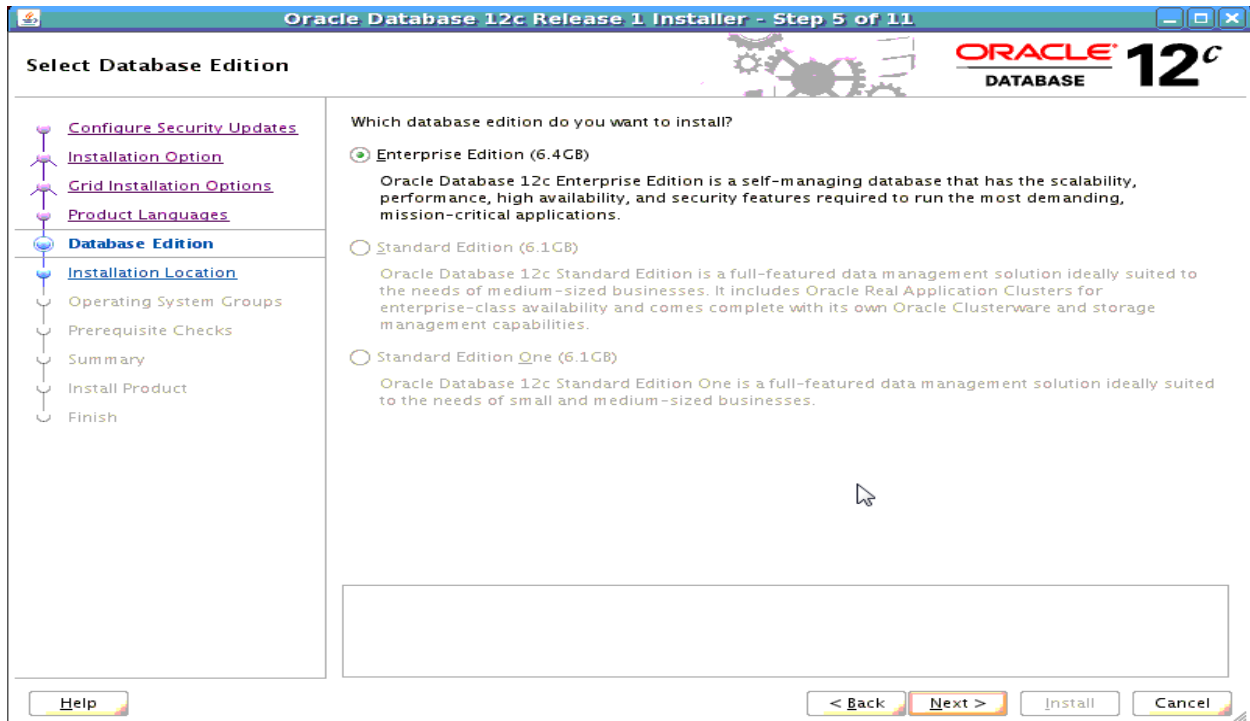
```
orauat@ebsuatbah:/u01/install/database
File Edit View Terminal Tabs Help
[root@ebsuatbah ~]# xhost +
access control disabled, clients can connect from any host
[root@ebsuatbah ~]# su - orauat
[orauat@ebsuatbah ~]$ export ORACLE_HOME=/u01/EBSBAHUAT/oracle/db/tech_st/12c
[orauat@ebsuatbah ~]$ cd /u01/install/database/
[orauat@ebsuatbah database]$ ./runInstaller
Starting Oracle Universal Installer...

Checking Temp space: must be greater than 500 MB.   Actual 35184 MB   Passed
Checking swap space: must be greater than 150 MB.   Actual 9595 MB   Passed
Checking monitor: must be configured to display at least 256 colors.   Actual 65536   Passed
Preparing to launch Oracle Universal Installer from /tmp/OraInstall2015-07-14_06-06-53PM. Please wait ...
```










Oracle Database 12c Release 1 Installer - Step 6 of 11

Specify Installation Location



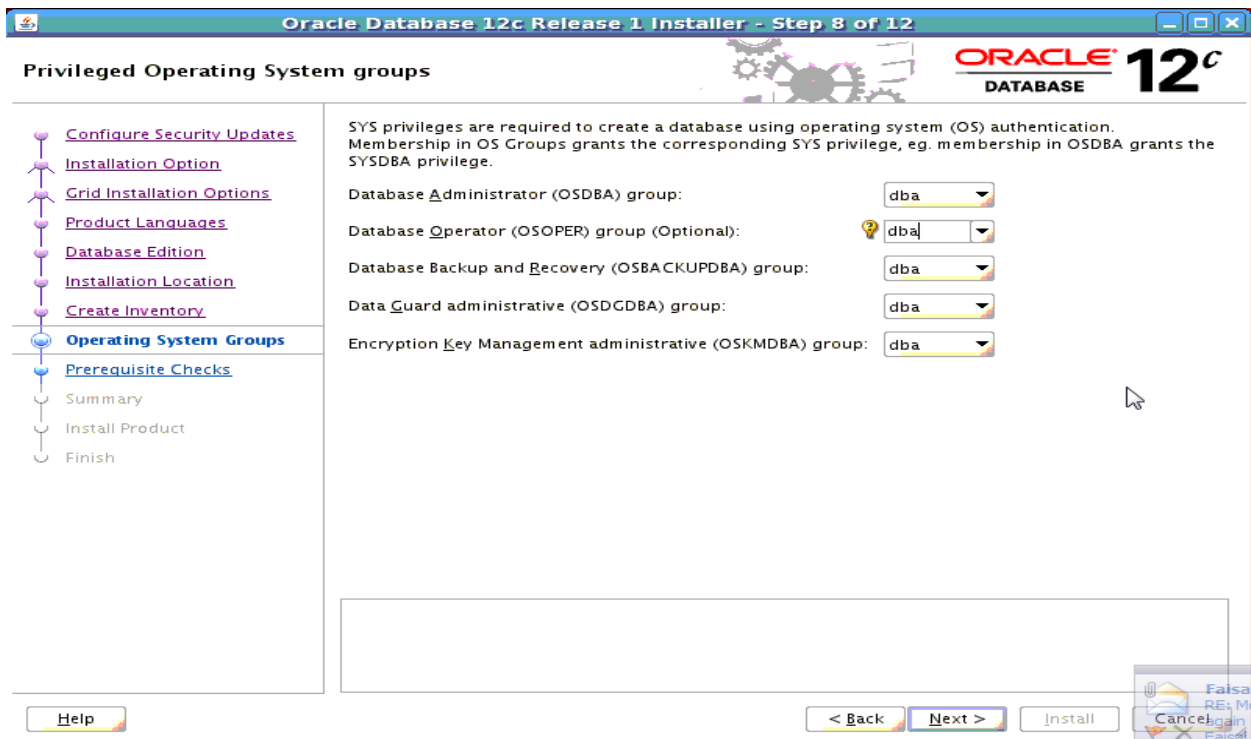
- Configure Security Updates
- Installation Option
- Grid Installation Options
- Product Languages
- Database Edition
- Installation Location**
- Operating System Groups
- Prerequisite Checks
- Summary
- Install Product
- Finish

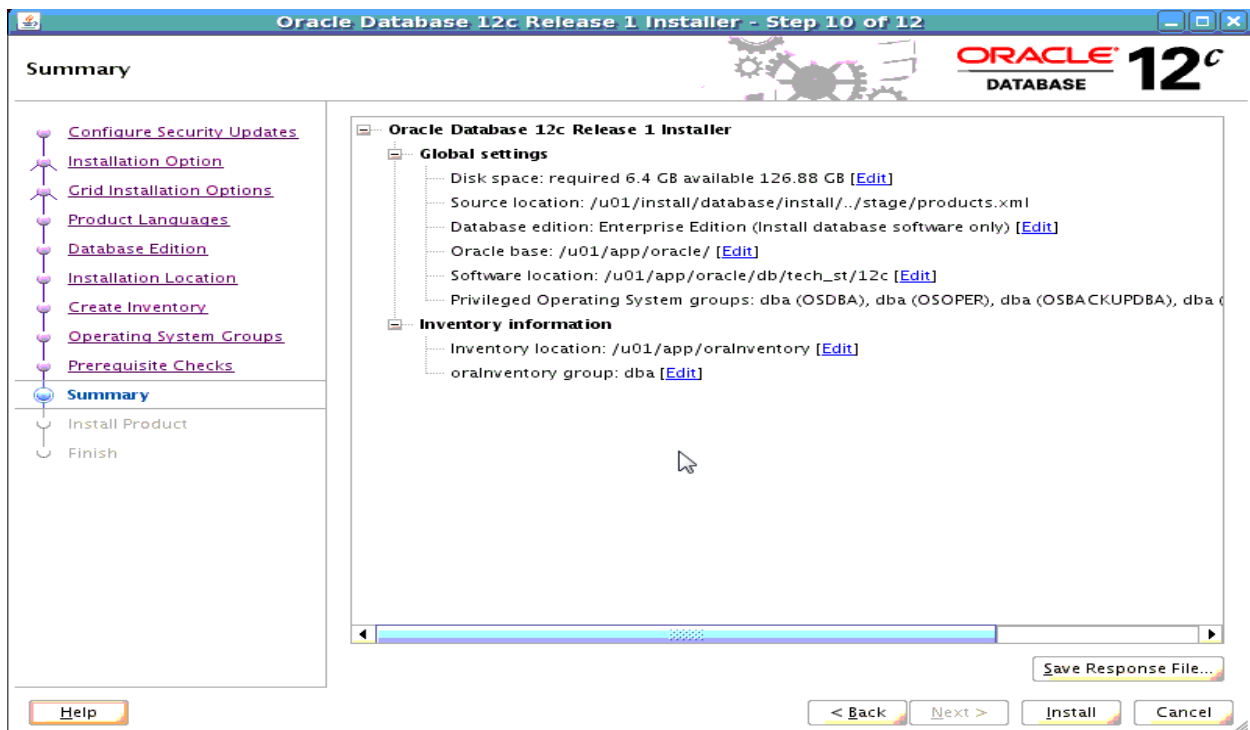
Specify a path to place all Oracle software and configuration-related files installed by this installation owner. This location is the Oracle base directory for the installation owner.

Oracle base:

Specify a location for storing Oracle database software files separate from database configuration files in the Oracle base directory. This software directory is the Oracle database home directory.

Software location:





Oracle Database 12c Release 1 Installer - Step 11 of 12

Install Product

ORACLE DATABASE 12^c

Progress: 8%
Processing Oracle Database 12c 12.1.0.2.0

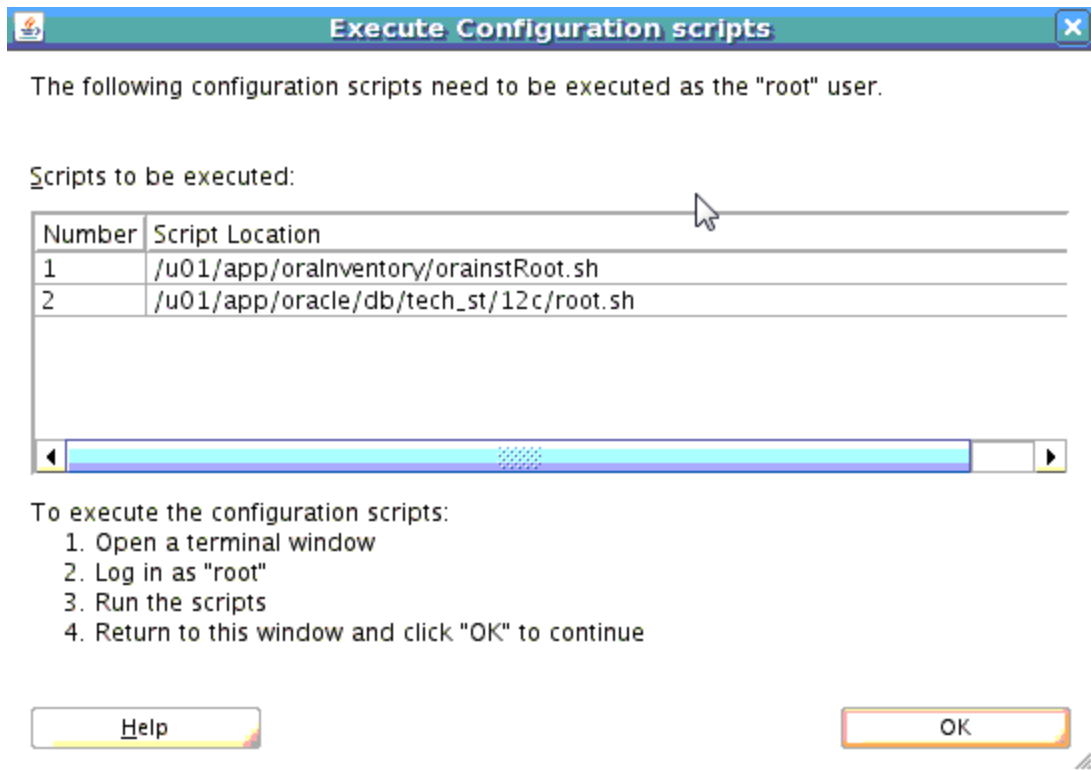
Status:

Oracle Database installation	In Progress
• Prepare	Succeeded
• Copy files	Pending
• Link binaries	Pending
• Setup	Pending
Setup Oracle Base	Pending
Execute Root Scripts	Pending

Details Retry Skip

ORACLE DATABASE 12^c

Help < Back Next > Install Cancel



```
[root@ebsuatbah ~]# /u01/app/oraInventory/orainstRoot.sh
Changing permissions of /u01/app/oraInventory.
Adding read,write permissions for group.
Removing read,write,execute permissions for world.

Changing groupname of /u01/app/oraInventory to dba.
The execution of the script is complete.
[root@ebsuatbah ~]# /u01/app/oracle/db/tech_st/12c/root.sh
Performing root user operation.
```

The following environment variables are set as:

```
ORACLE_OWNER= orauat
ORACLE_HOME= /u01/app/oracle/db/tech_st/12c
```

Enter the full pathname of the local bin directory: [/usr/local/bin]:

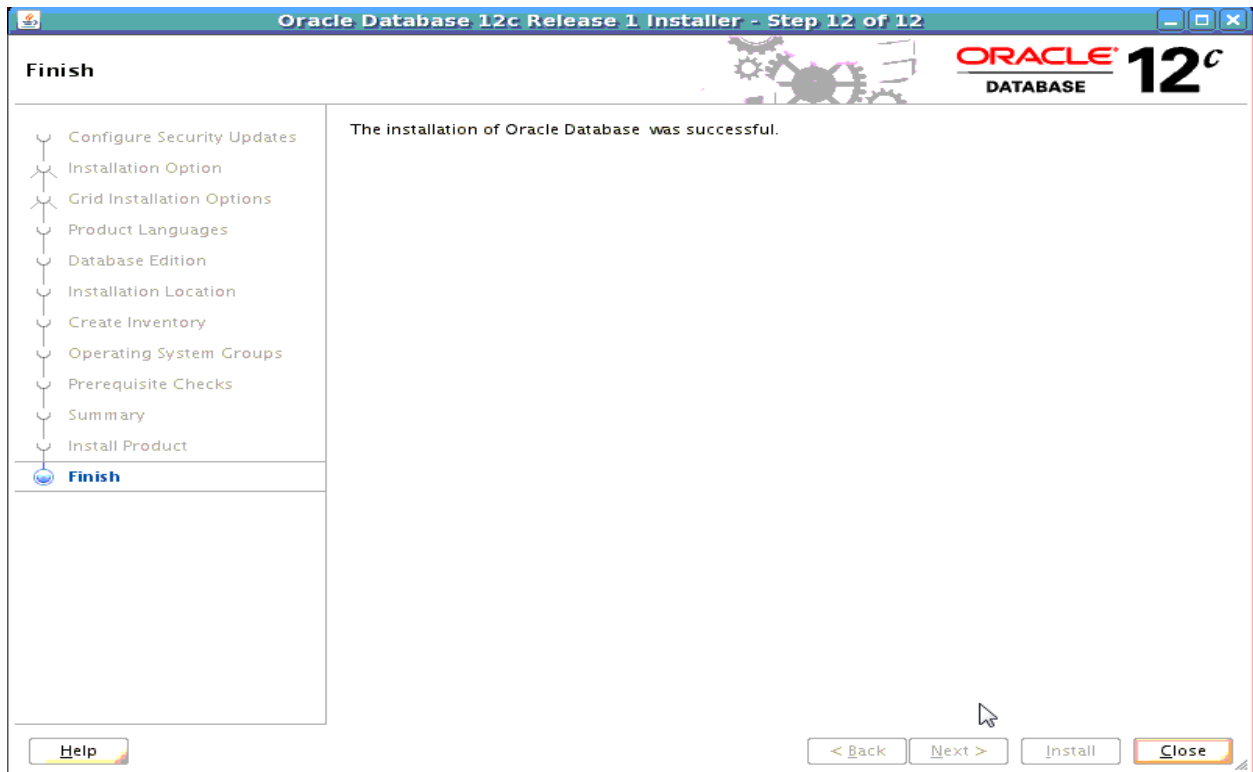
```
Copying dbhome to /usr/local/bin ...
Copying oraenv to /usr/local/bin ...
Copying coraenv to /usr/local/bin ...
```

Creating /etc/oratab file...

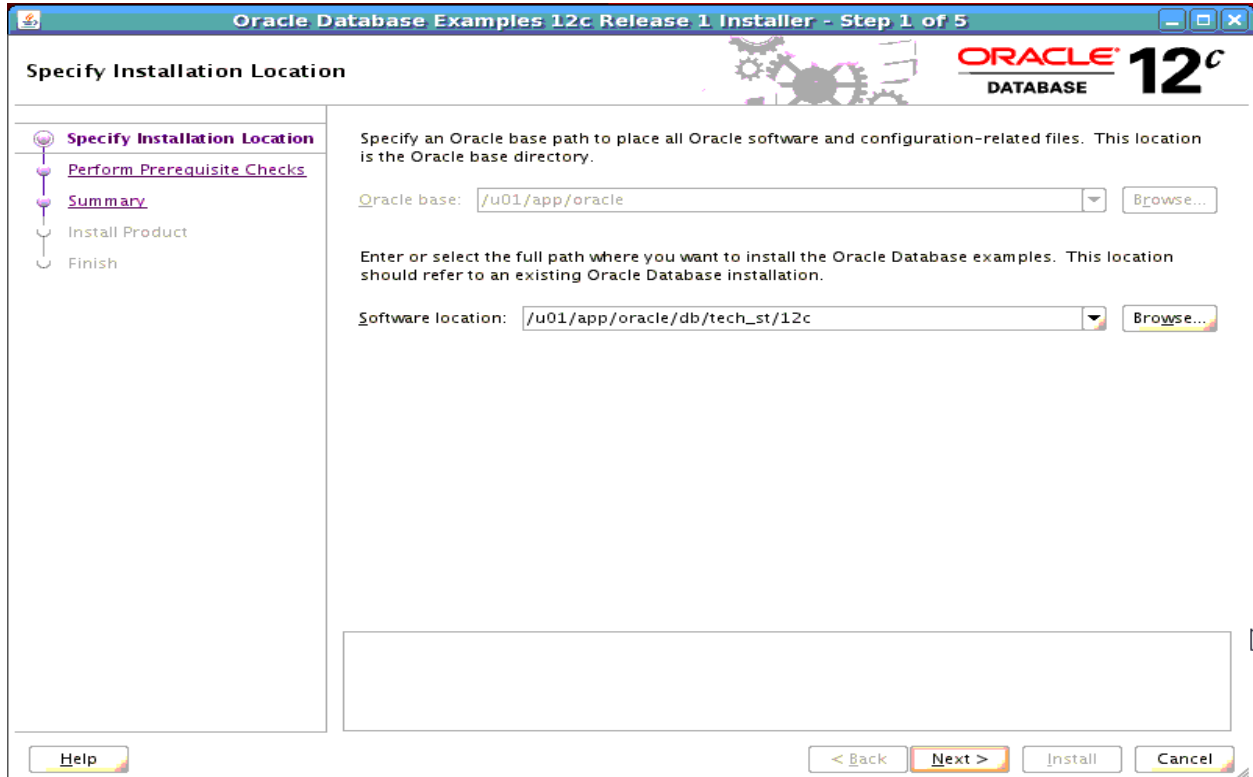
Entries will be added to the /etc/oratab file as needed by
Database Configuration Assistant when a database is created
Finished running generic part of root script.

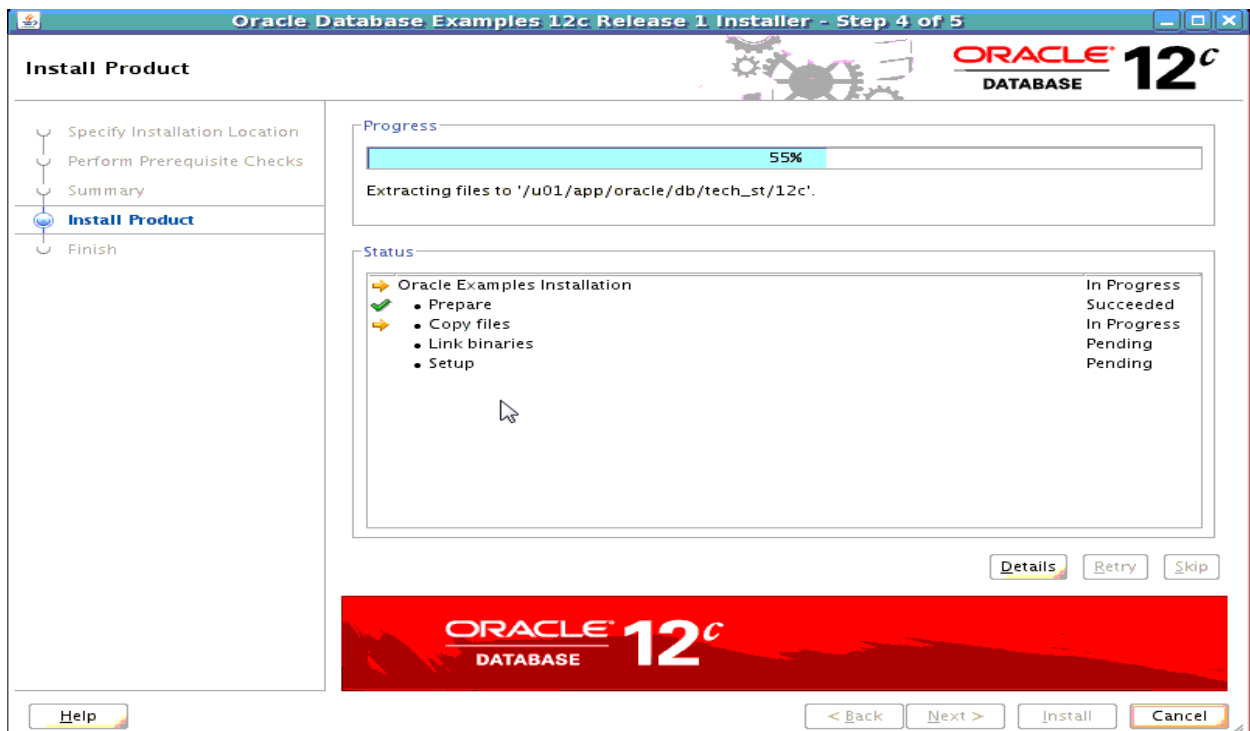
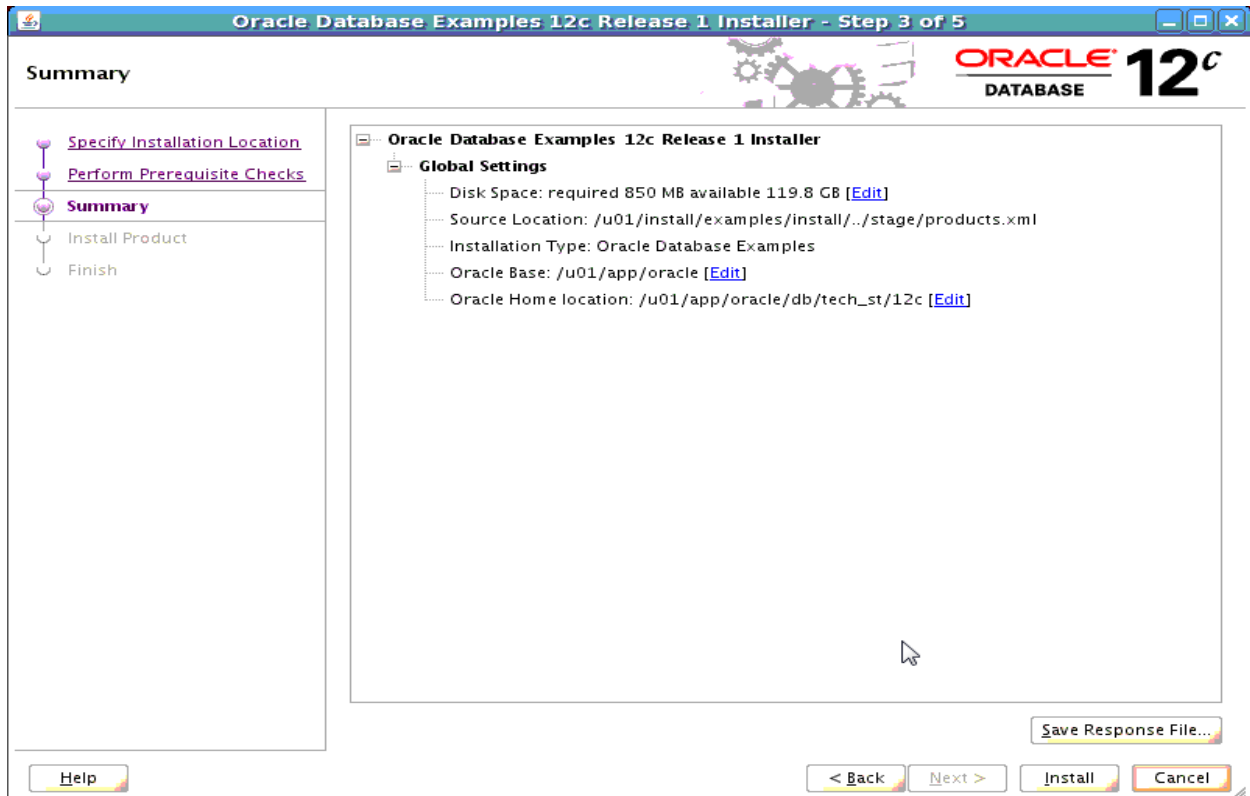
Now product-specific root actions will be performed.

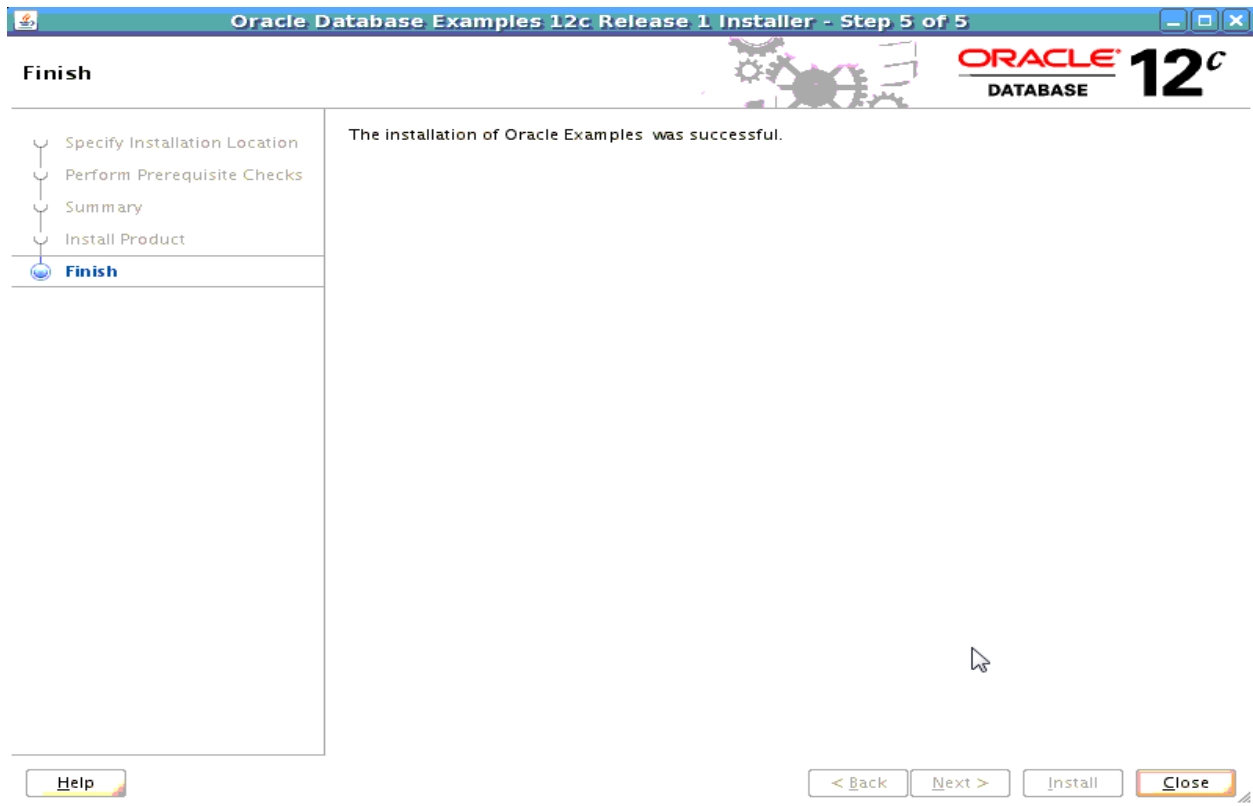
```
[root@ebsuatbah ~]# █
```



Install Examples CD (Optional)







Step 6: Set the 12c path and perl path in bash profile

```
PATH=$HOME/bin:/u01/app/oracle/db/tech_st/12c/perl/bin:$PATH
```

```
export PATH
```

```
ORACLE_SID=BAHUAT; export ORACLE_SID
```

```
ORACLE_HOME=/u01/app/oracle/db/tech_st/12c; export ORACLE_HOME
```

```
PATH=/usr/sbin:$PATH; export PATH
```

```
PATH=$ORACLE_HOME/bin:$PATH; export PATH
```



```
LD_LIBRARY_PATH=$ORACLE_HOME/lib:/usr/lib; export LD_LIBRARY_PATH
PATH=$ORACLE_HOME/OPatch:$PATH export PATH
```

Step 7: Create nls/data/9idata directory

On the database server node, as the owner of the Oracle RDBMS file system and database instance, run the following command to create the \$ORACLE_HOME/nls/data/9idata directory.

```
[orauat@ebsuatbah ~]$ perl $ORACLE_HOME/nls/data/old/cr9idata.pl
```

```
Creating directory /u01/app/oracle/db/tech_st/12c/nls/data/9idata ...
```

```
Copying files to /u01/app/oracle/db/tech_st/12c/nls/data/9idata...
```

```
Copy finished.
```

Please reset environment variable ORA_NLS10 to /u01/app/oracle/db/tech_st/12c/nls/data/9idata!

So bash_profile after set the ORA_NLS10 path

```
PATH=$HOME/bin:/u01/app/oracle/db/tech_st/12c/perl/bin:$PATH
```

```
export PATH
```

```
ORACLE_SID=BAHUAT; export ORACLE_SID
```

```
ORACLE_HOME=/u01/app/oracle/db/tech_st/12c; export ORACLE_HOME
```

```
PATH=/usr/sbin:$PATH; export PATH
```

```
PATH=$ORACLE_HOME/bin:$PATH; export PATH
```

```
LD_LIBRARY_PATH=$ORACLE_HOME/lib:/usr/lib; export LD_LIBRARY_PATH
```

```
ORA_NLS10=/u01/app/oracle/db/tech_st/12c/nls/data/9idata; export ORA_NLS10
```

```
PATH=$ORACLE_HOME/OPatch:$PATH export PATH
```

Step 8: Apply additional 12.1.0.2 RDBMS patch using by opatch

Download latest opatch version

[Patch 6880880](#)

Apply the latest opatch version like below steps

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```
[orauat@ebsuatbah dbpatches]$ cd /u01/app/oracle/db/tech_st/12c
```

```
[orauat@ebsuatbah OPatch]$ ./opatch version
```

```
OPatch Version: 12.1.0.1.3
```

```
OPatch succeeded.
```

```
[orauat@ebsuatbah 12c]$ mv OPatch/ OPatch_Old
```

```
[orauat@ebsuatbah 12c]$ unzip p6880880_121010_Linux-x86-64.zip
```

```
[orauat@ebsuatbah OPatch]$ ./opatch version
```

```
OPatch Version: 12.1.0.1.8
```

```
OPatch succeeded.
```

Apply rdbms patch on 12c home, so no need to down the ebs current database

- [Patch 19382851](#)
- [Patch 19393542](#)
- [Patch 19627012](#)
- [Patch 19649152](#)
- [Patch 20204035](#)

```
[orauat@ebsuatbah 19393542]$ opatch apply
```

```
Oracle Interim Patch Installer version 12.1.0.1.8
```

```
Copyright (c) 2015, Oracle Corporation. All rights reserved.
```

```
Oracle Home      : /u01/app/oracle/db/tech_st/12c
```

```
Central Inventory : /u01/app/oraInventory
```

```
from             : /u01/app/oracle/db/tech_st/12c/oraInst.loc
```

OPatch version : 12.1.0.1.8

OUI version : 12.1.0.2.0

Log file location :

/u01/app/oracle/db/tech_st/12c/cfgtoollogs/opatch/19393542_Jul_15_2015_13_49_53/apply2015-07-15_13-49-53PM_1.log

Verifying environment and performing prerequisite checks...

OPatch continues with these patches: 19393542

Do you want to proceed? [y|n]

y

User Responded with: Y

All checks passed.

Provide your email address to be informed of security issues, install and initiate Oracle Configuration Manager. Easier for you if you use your My Oracle Support Email address/User Name.

Visit <http://www.oracle.com/support/policies.html> for details.

Email address/User Name:

You have not provided an email address for notification of security issues.

Do you wish to remain uninformed of security issues ([Y]es, [N]o) [N]: y

Please shutdown Oracle instances running out of this ORACLE_HOME on the local system.

(Oracle Home = '/u01/app/oracle/db/tech_st/12c')

Is the local system ready for patching? [y|n]

y

User Responded with: Y

Backing up files...

Applying interim patch '19393542' to OH '/u01/app/oracle/db/tech_st/12c'

Patching component oracle.rdbms, 12.1.0.2.0...

Verifying the update...

Patch 19393542 successfully applied.

Log file location:

/u01/app/oracle/db/tech_st/12c/cfgtoollogs/opatch/19393542_Jul_15_2015_13_49_53/apply2015-07-15_13-49-53PM_1.log

OPatch succeeded.

Step 9: Database upgrade

Shut down Applications server processes and database listener

On each application tier server node, shut down all server processes or services. On the database tier server node, shut down the Oracle Net or Net8 database listener in the old Oracle home.

```
[orauat@ebsuatbah ~]$ lsnrctl stop BAHUAT
```

```
LSNRCTL for Linux: Version 11.2.0.2.0 - Production on 15-JUL-2015 13:56:50
```

Copyright (c) 1991, 2010, Oracle. All rights reserved.

Connecting to (DESCRIPTION=(ADDRESS=(PROTOCOL=TCP)(HOST=ebsuatbah.ace-ins.com)(PORT=1586)))

The command completed successfully

Step 10 : Drop SYS.ENABLED\$INDEXES (conditional)

If the SYS.ENABLED\$INDEXES table exists, use SQL*Plus to connect to the database as SYSDBA and running the following command to drop it:

```
SQL> drop table sys.enabled$indexes;
```

```
drop table sys.enabled$indexes
```

```
*
```

```
ERROR at line 1:
```

```
ORA-00942: table or view does not exist
```

Step 11: Remove the MGDSYS schema (conditional)

If you are upgrading from an RDBMS version prior to 12c, on the old database server node, use SQL*Plus to connect to the database as SYSDBA and run the \$ORACLE_HOME/md/admin/catnomgdidcode.sql script. This drops the MGDSYS schema.

```
[orauat@ebsuatbah admin]$ sqlplus / as sysdba  
@/u01/EBSBAHUAT/db/tech_st/11.2.0/md/admin/catnomgdidcode.sql
```

Step 12: Prepare to upgrade the database

- Remove Enterprise manager from existing environment

From 12c home, run the pre upgrade tool

```
SQL > @ utluppkg.sql
```

```
SQL> @/u01/app/oracle/db/tech_st/12c/rdbms/admin/preupgrd.sql
```

1. Review results of the pre-upgrade checks:

```
/u01/EBSBAHUAT/db/tech_st/11.2.0/cfgtoollogs/BAHUAT/preupgrade/preupgrade.log
```

2. Execute in the SOURCE environment BEFORE upgrade:

```
/u01/EBSBAHUAT/db/tech_st/11.2.0/cfgtoollogs/BAHUAT/preupgrade/preupgrade_fixups.sql
```

3. Execute in the NEW environment AFTER upgrade:

/u01/EBSBAHUAT/db/tech_st/11.2.0/cfgtoollogs/BAHUAT/preupgrade/postupgrade_fixups.sql

Run the preupgrade_fixups script

SQL>@/u01/EBSBAHUAT/db/tech_st/11.2.0/cfgtoollogs/BAHUAT/preupgrade/preupgrade_fixups.sql

Step 13:

SQL> exec utl_recomp.recomp_parallel(25);

SQL> exec DBMS_STATS.drop_stat_table('APPLSYS','FND_STATTAB');

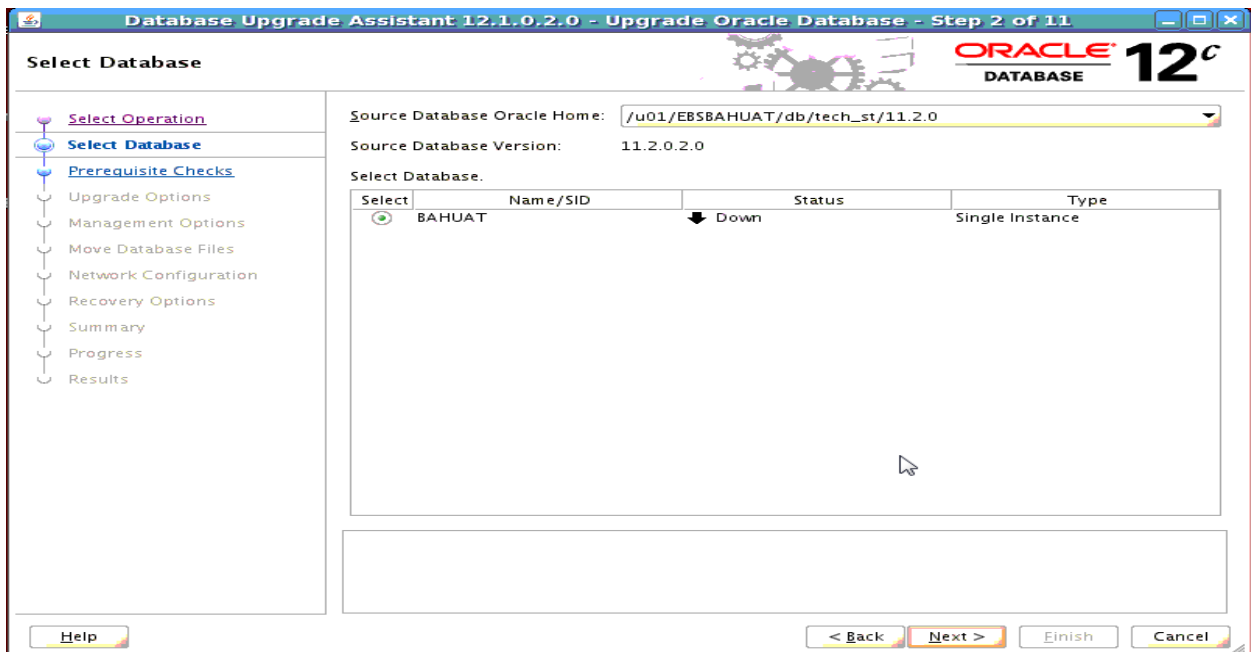
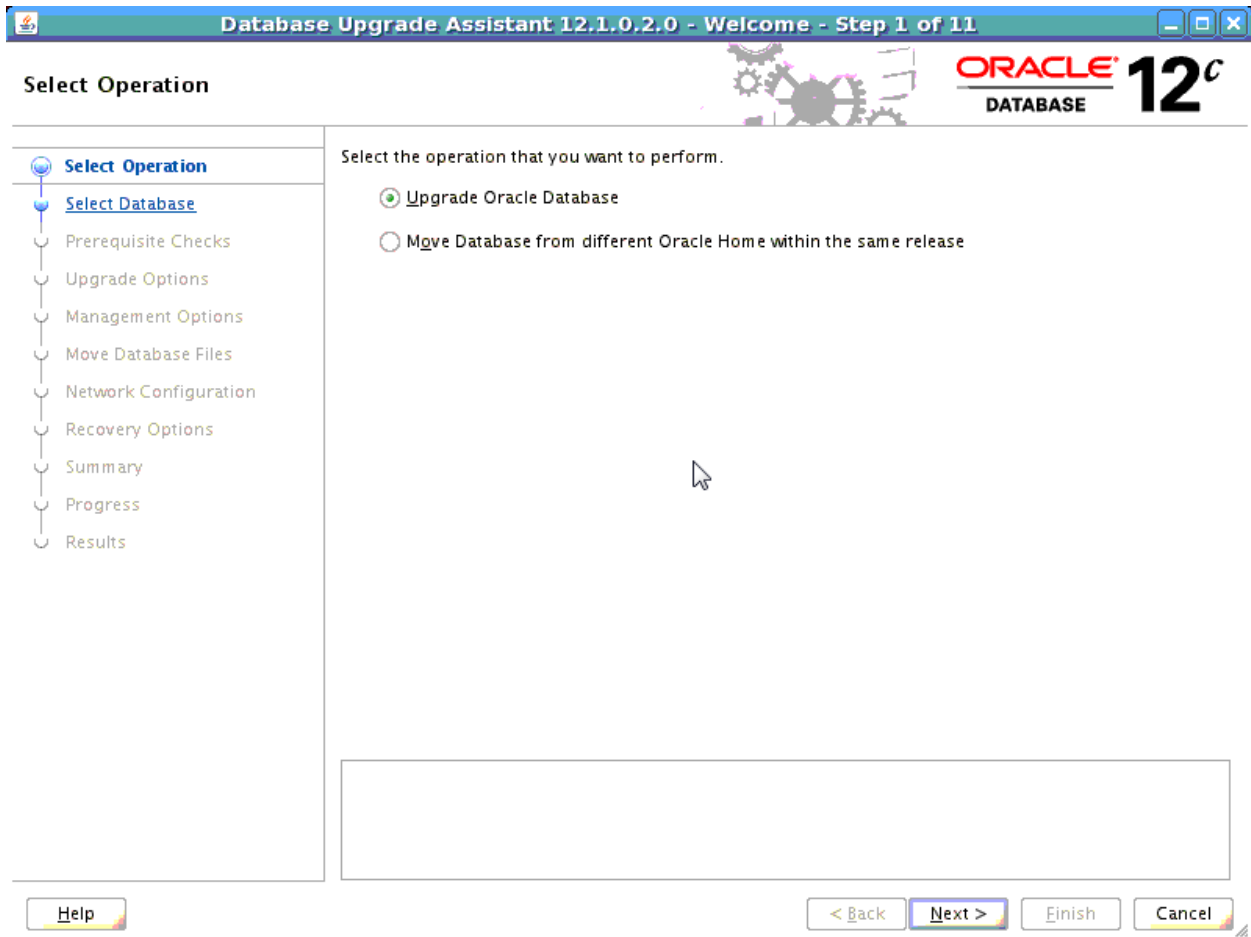
SQL> exec DBMS_STATS.create_stat_table('APPLSYS','FND_STATTAB');

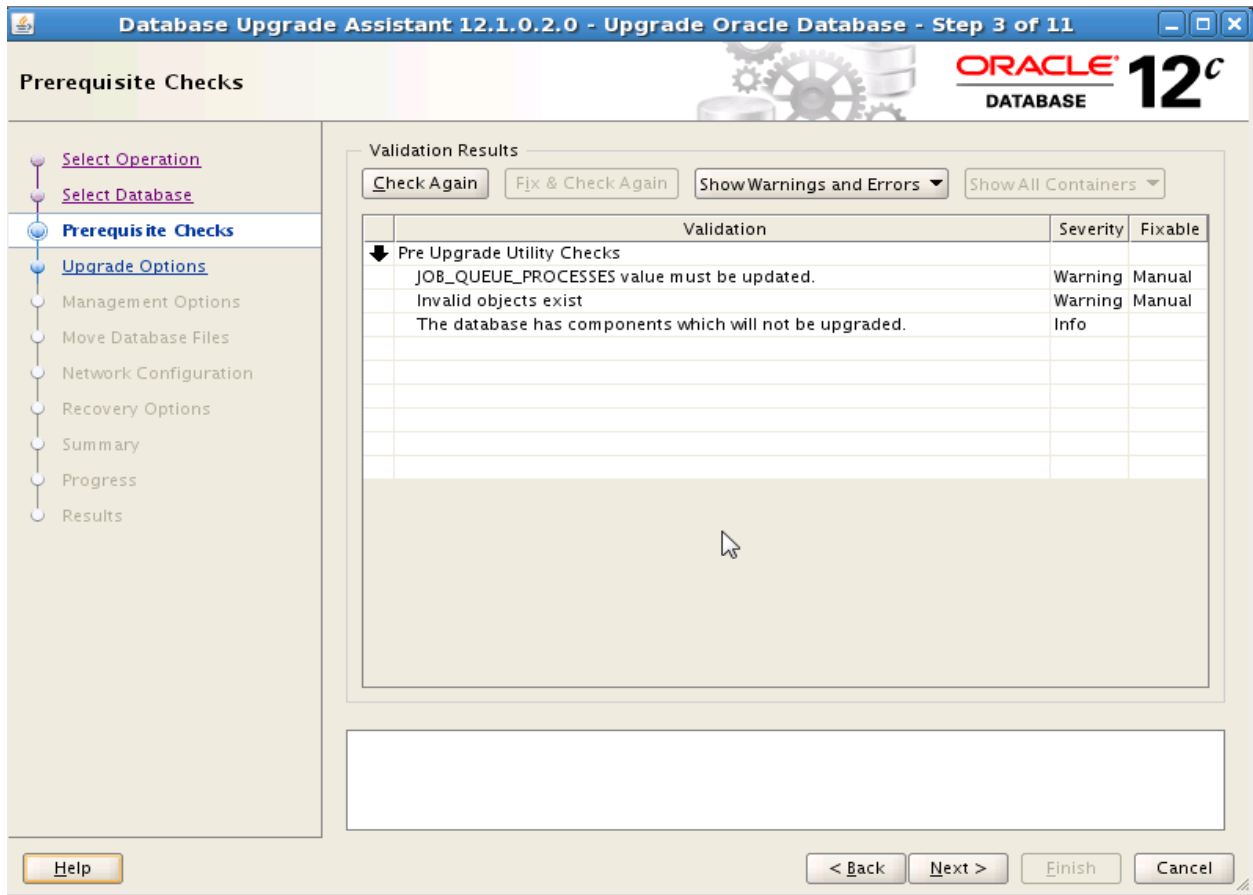
SQL> exec DBMS_STATS.upgrade_stat_table('APPLSYS','FND_STATTAB');

Step 14: add oracle 11g home in oratab

BAHUAT:/u01/app/oracle/db/tech_st/12c:N

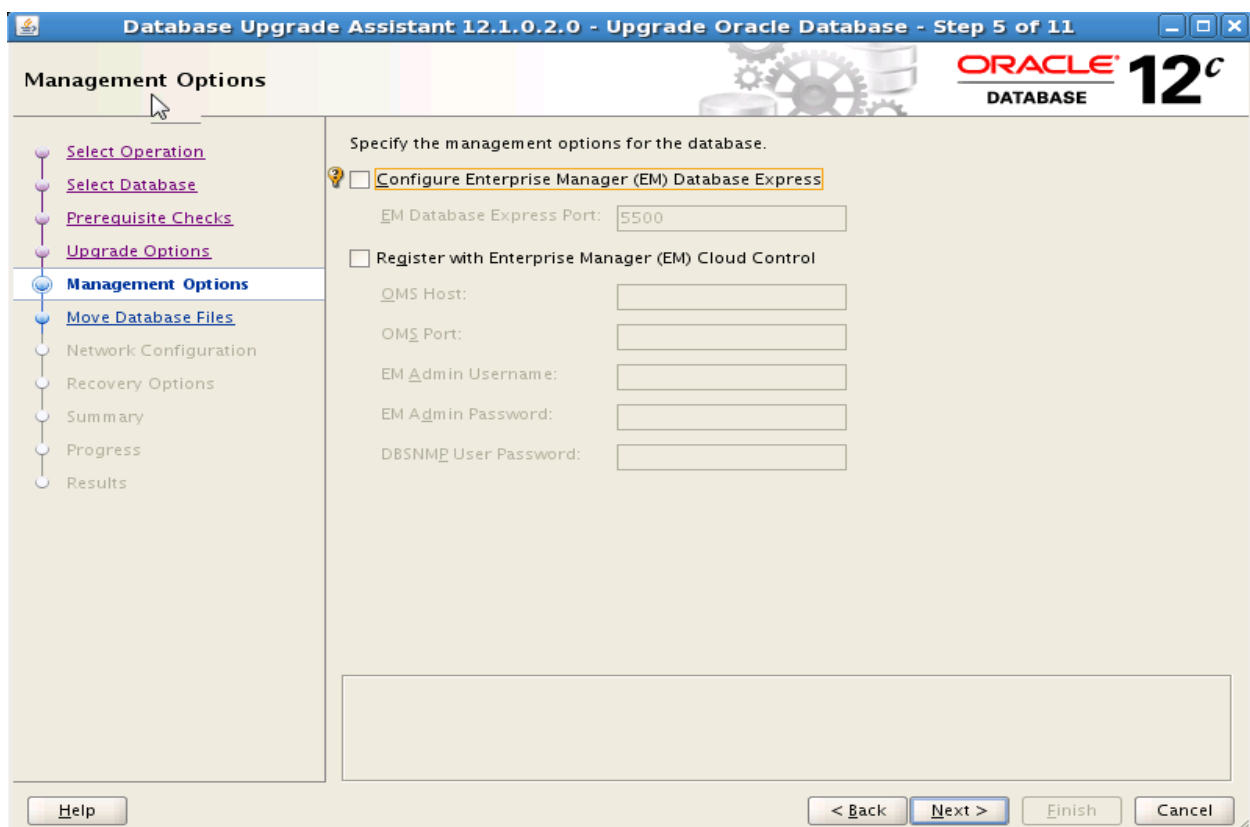
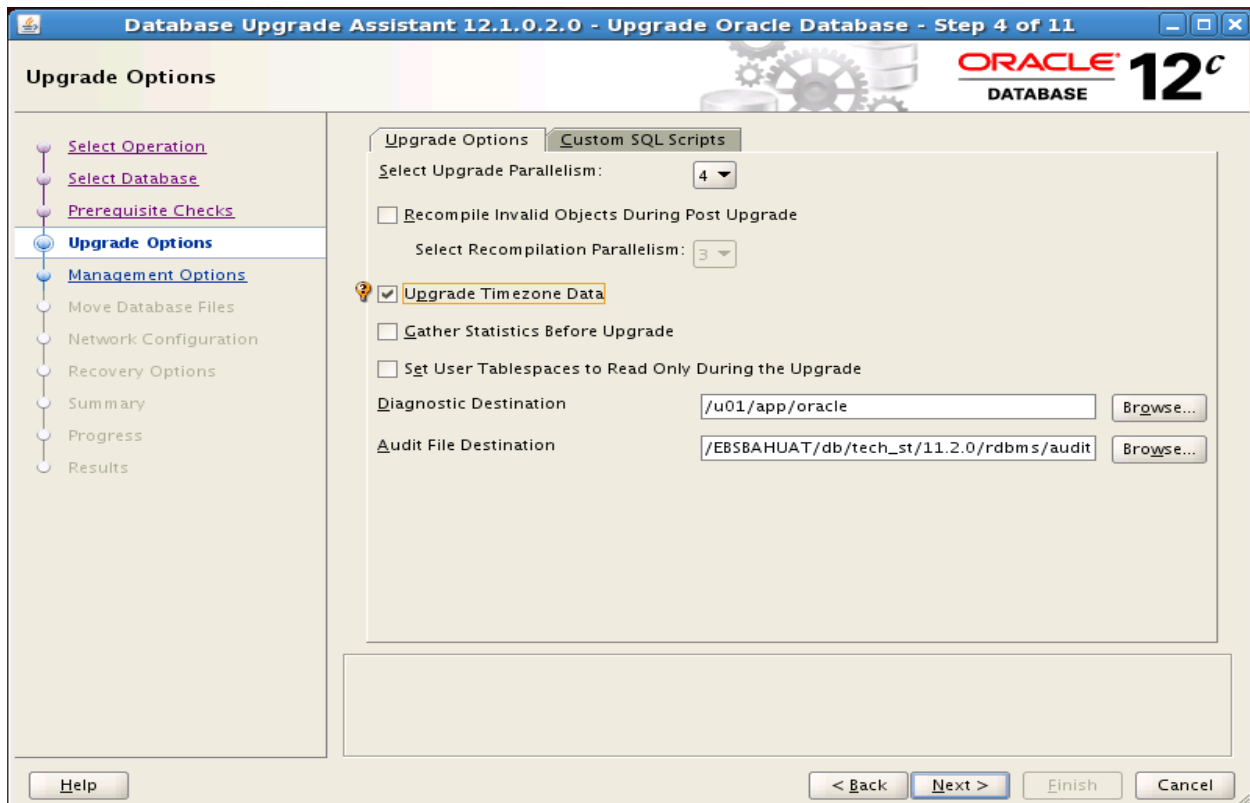
Step 15: Upgrade the database

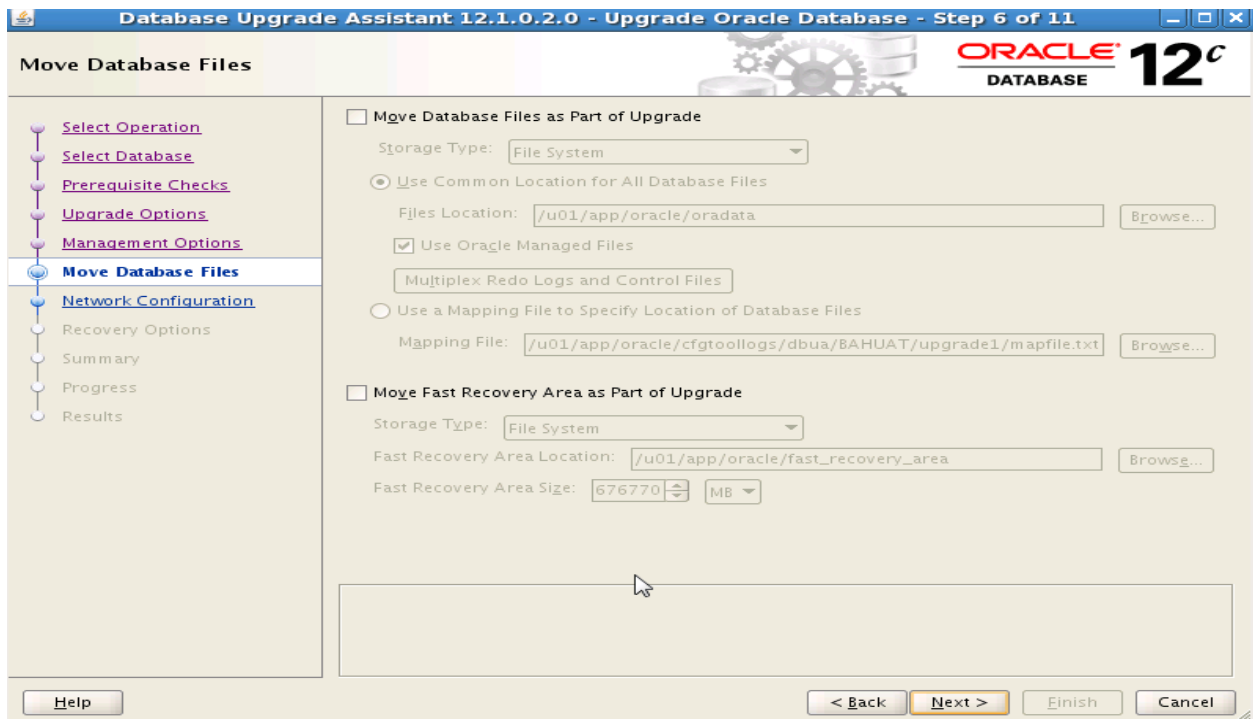


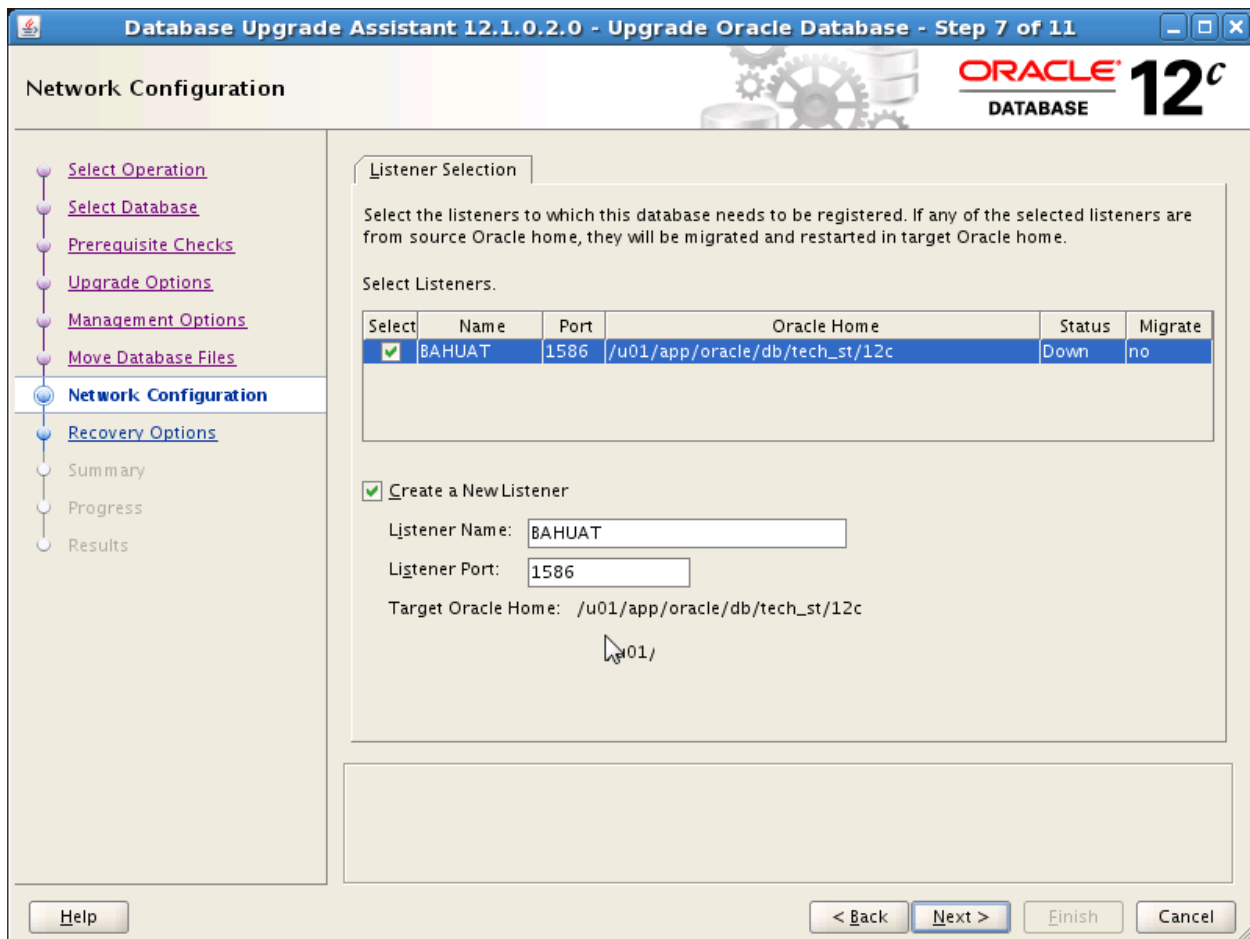


Please fix the warnings and run, you can ignore some warnings like above

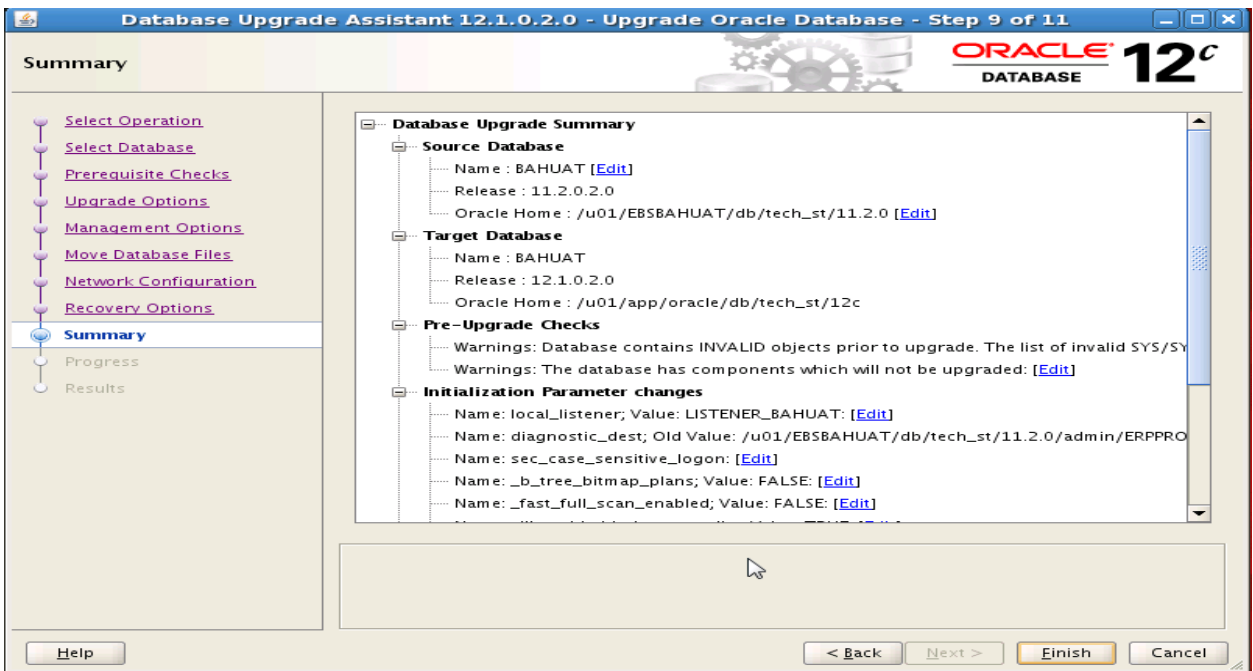
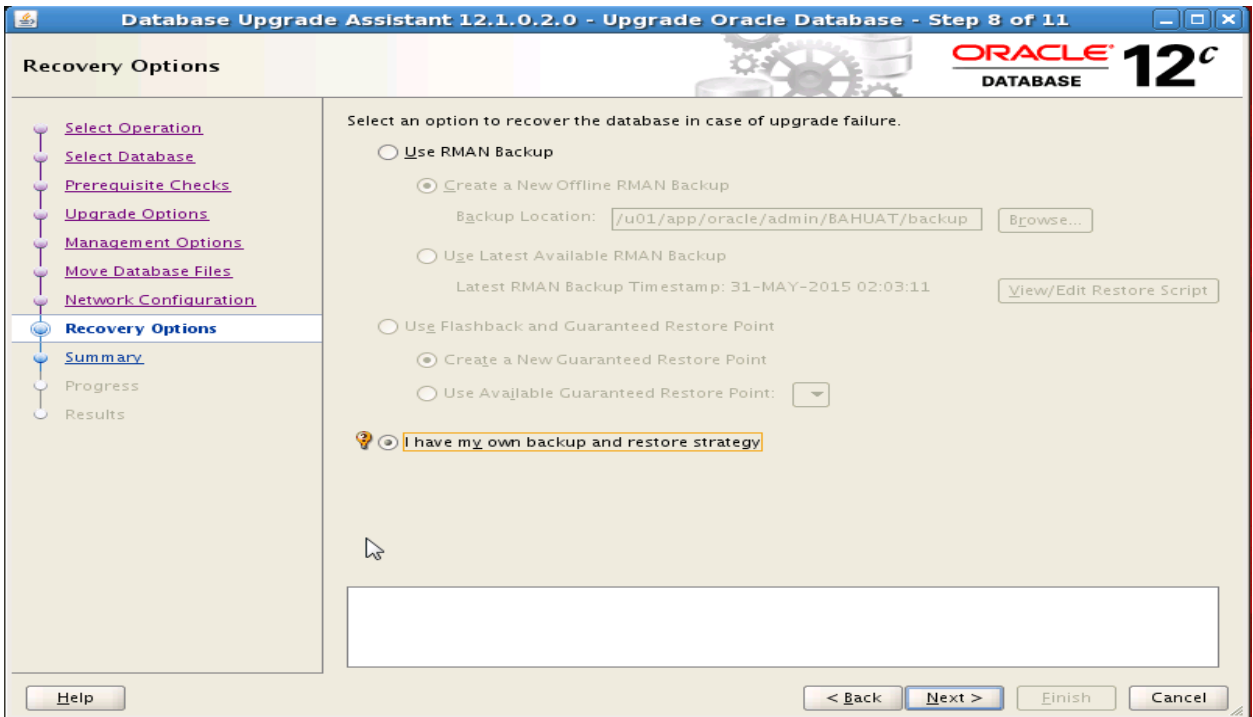
If upgrading the database manually, follow the instructions in the "Upgrade the Time Zone File Version After Upgrading Oracle Database" section. If using DBUA, check the button to upgrade the timezone data.

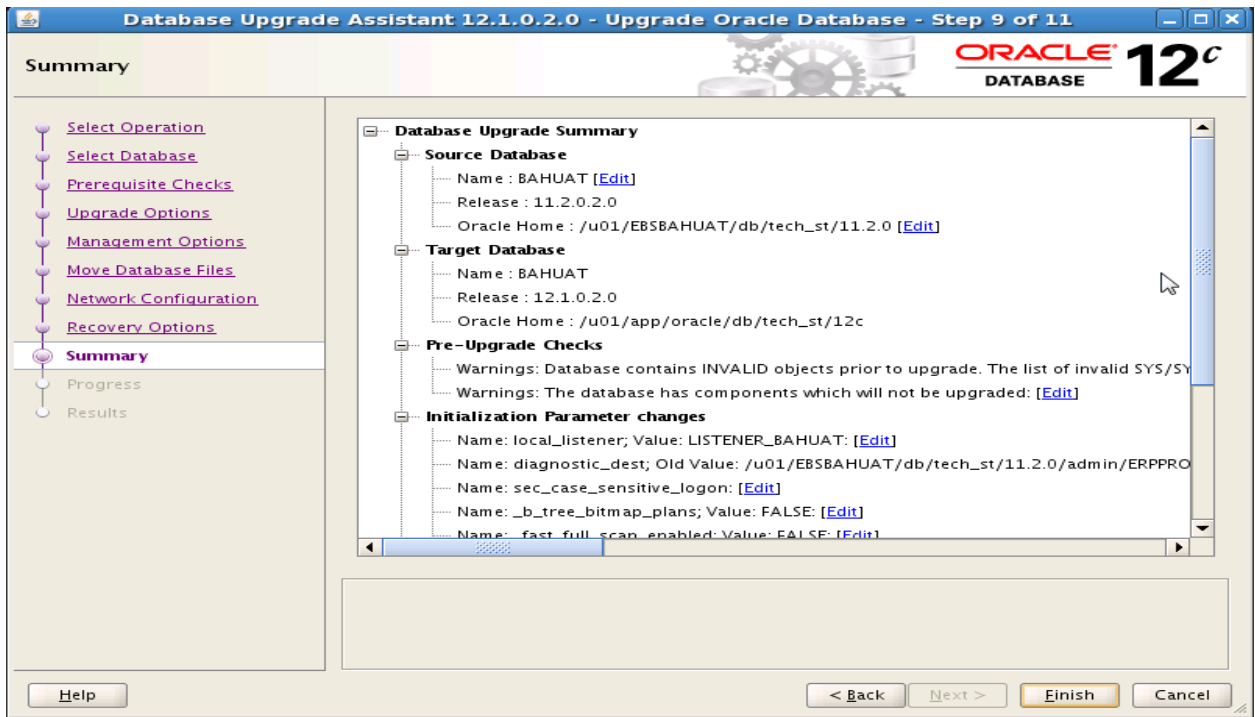






Don't tick on create a new listener if you've ticked source database listener. By mistake, I ticked and screenshoted





Database Upgrade Assistant 12.1.0.2.0 - Upgrade Oracle Database - Step 10 of 11

ORACLE **12^c**
DATABASE

Progress

Select Operation
 Select Database
 Prerequisite Checks
 Upgrade Options
 Management Options
 Move Database Files
 Network Configuration
 Recovery Options
 Summary
Progress
 Results

Progress
 Upgrade is complete. Click "Upgrade Results" to see the results of the upgrade.

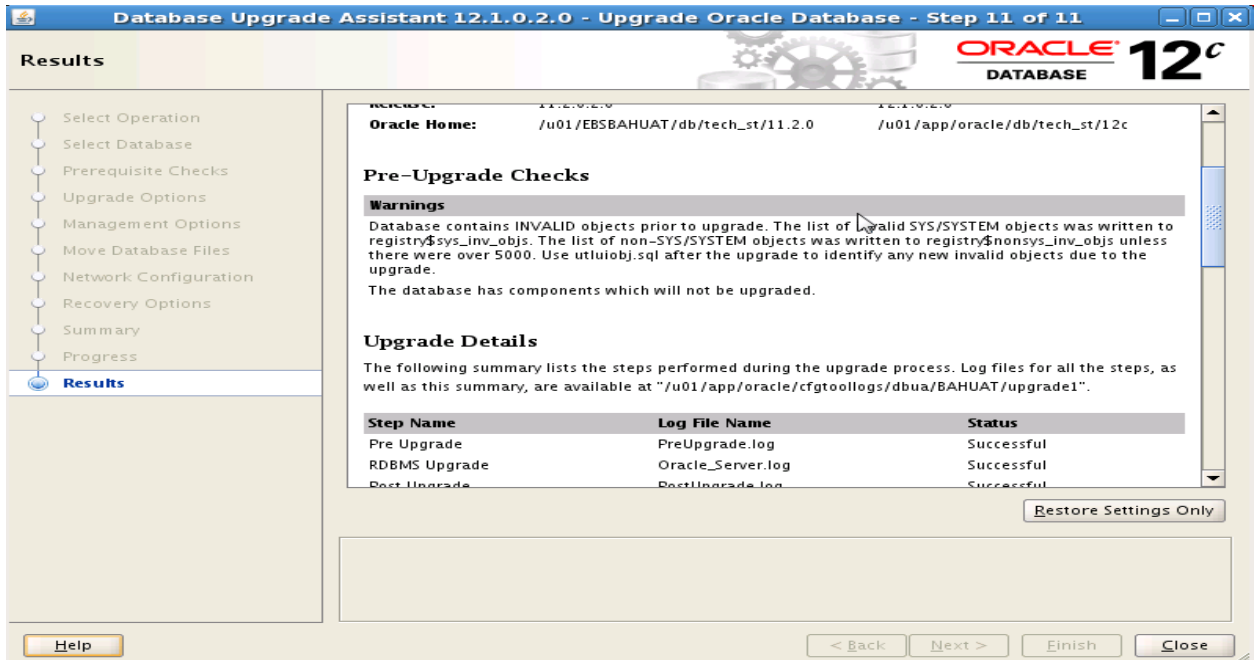
100%

Upgrading database BAHUAT from Oracle Database release 11.2.0.2.0 (/u01/EBSBAHUAT/db/tech_st/11.2.0) to Oracle Database release 12.1.0.2.0 (/u01/app/oracle/db/tech_st/12c).

Steps	Time	Status
✓ → Pre Upgrade Steps	0:0:23	Finished
✓ → Database Upgrade Steps	0:47:19	Finished
✓ → Post Upgrade Steps	0:2:49	Finished
✓ Generate Summary	0:0:10	Finished

Activity Log Alert Log Upgrade Results

Help < Back Next > Finish Cancel



Remove the local listener from the environment

Step 16: After upgrade the database ,compile the invalid objects

```
SQL> exec utl_recomp.recomp_parallel(25);
```

PL/SQL procedure successfully completed.

Step 17: Run adgrants.sql

Copy \$APPL_TOP/admin/adgrants.sql (adgrants_nt.sql for Windows) from the administration server node to the database server node. Use SQL*Plus to connect to the database as SYSDBA and run the script using the following command:

```
[root@ebsuatbah ~]# cp /u01/EBSBAHUAT/apps/apps_st/appl/admin/adgrants.sql
/u01/app/oracle/db/tech_st/12c/appsutil/sql
```

```
[root@ebsuatbah ~]# chown -Rf orauat:dba /u01/app/oracle/db/tech_st/12c/appsutil/sql/adgrants.sql
```

```
[root@ebsuatbah ~]# cp /u01/EBSBAHUAT/apps/apps_st/appl/admin/adgrants
```

```
adgrants_nt.sql adgrants.sql
```

```
[root@ebsuatbah ~]# cp /u01/EBSBAHUAT/apps/apps_st/appl/admin/adgrants_nt.sql
/u01/app/oracle/db/tech_st/12c/appsutil/sql
```



```
[root@ebsuatbah ~]# chown -Rf orauat:dba
/u01/app/oracle/db/tech_st/12c/appsutil/sql/adgrants_nt.sql

[root@ebsuatbah ~]# su - orauat

[orauat@ebsuatbah sql]$ pwd

/u01/app/oracle/db/tech_st/12c/appsutil/sql

[orauat@ebsuatbah sql]$ sqlplus / as sysdba @adgrants.sql apps
```

Step 18: Grant create procedure privilege on CTXSYS

Copy \$AD_TOP/patch/115/sql/adctxprv.sql from the administration server node to the database server node. Use SQL*Plus to connect to the database as APPS and run the script using the following command:

```
SQL> @/u01/EBSBAHUAT/apps/apps_st/appl/ad/12.0.0/patch/115/sql/adctxprv.sql Admin123 CTXSYS
```

Step 19 : Set CTXSYS parameter

Use SQL*Plus to connect to the database as SYSDBA and run the following command:

```
SQL> exec ctxsys.ctx_adm.set_parameter('file_access_role', 'public');
```

PL/SQL procedure successfully completed.

Step 20: Validate Workflow ruleset

On the administration server node, use SQL*Plus to connect to the database as APPS and run the \$FND_TOP/patch/115/sql/wfaqupfix.sql script using the following command:

```
[appluat@ebsuatbah ~]$ sqlplus apps/apps @$FND_TOP/patch/115/sql/wfaqupfix.sql applsys apps
```

Step 21 : Gather statistics for SYS schema

Copy \$APPL_TOP/admin/adstats.sql from the administration server node to the database server node. Note that adstats.sql has to be run in restricted mode. Use SQL*Plus to connect to the database as SYSDBA and use the following commands to run adstats.sql in restricted mode:

```
[orauat@ebsuatbah ~]$ mkdir -p /u01/app/oracle/db/tech_st/12c/admin
```

```
[orauat@ebsuatbah ~]$ su - root
```

```
Password:
```

```
[root@ebsuatbah ~]# cp /u01/EBSBAHUAT/apps/apps_st/appl/admin/adstats.sql  
/u01/app/oracle/db/tech_st/12c/admin
```

```
[root@ebsuatbah ~]# chown -Rf orauat:dba /u01/app/oracle/db/tech_st/12c/admin/adstats.sql
```

```
[root@ebsuatbah ~]# su - orauat
```

```
[orauat@ebsuatbah ~]$ sqlplus / as sysdba
```

```
SQL> alter system enable restricted session;
```

```
System altered.
```

```
SQL> @/u01/app/oracle/db/tech_st/12c/admin/adstats.sql
```

```
Connected.
```

```
SQL> alter system disable restricted session;
```

```
System altered.
```

Step 22 : Deregister the current database server (conditional)

If you plan to change the database port, host, SID, or database name parameter on the database server, you must also update AutoConfig on the database tier and deregister the current database server node.

Use SQL*Plus to connect to the database as APPS and run the following command:

```
SQL> exec fnd_conc_clone.setup_clean;
```

```
PL/SQL procedure successfully completed.
```

Step 23 : Implement and run AutoConfig

Implement and run AutoConfig in the new Oracle home on the database server node. If the database listener of the new Oracle home is defined differently than the old Oracle home, you must also run AutoConfig on each application tier server node to update the system with the new listener.

```
[appluat@ebsuatbah bin]$ perl admkappsutil.pl
```

Starting the generation of appsutil.zip

Log file located at

```
/u01/EBSBAHUAT/inst/apps/BAHUAT_ebsuatbah/admin/log/MakeAppsUtil_07160723.log
```

output located at /u01/EBSBAHUAT/inst/apps/BAHUAT_ebsuatbah/admin/out/appsutil.zip

Copy appsutil.zip file to Oracle home and unzip

Create context file

```
[orauat@ebsuatbah bin]$ perl adblxml.pl
```

Enter Hostname of Database server[ebsuatbah]:ebsuatbah.ace-ins.com

Enter Port of Database server[1586]:

Enter SID of Database server[BAHUAT]:

Enter the value for Display Variable: 1.0

The context file has been created at:

```
/u01/app/oracle/db/tech_st/12c/appsutil/BAHUAT_ebsuatbah.xml
```

Run adconfig

```
[orauat@ebsuatbah bin]$ perl adconfig.pl
Enter the full file path to the Context file: /u01/app/oracle/db/tech_st/12c/appsutil/BAHUAT_ebsuatbah.xml
Enter the APPS user password:
The log file for this session is located at: /u01/app/oracle/db/tech_st/12c/appsutil/log/BAHUAT_ebsuatbah/07160753/adconfig.log
AutoConfig is configuring the Database environment...
AutoConfig will consider the custom templates if present.
Using ORACLE_HOME location : /u01/app/oracle/db/tech_st/12c
Classpath : /u01/app/oracle/db/tech_st/12c/jdbc/lib/ojdbc6.jar:/u01/app/oracle/db/tech_st/12c/appsutil/java/xmlparserv2.jar:/u01/app/oracle/db/tech_st/12c/appsutil/java:/u01/app/oracle/db/tech_st/12c/jlib/netcfg.jar
Using Context file : /u01/app/oracle/db/tech_st/12c/appsutil/BAHUAT_ebsuatbah.xml
Context Value Management will now update the Context file
Updating Context file...COMPLETED
Attempting upload of Context file and templates to database...COMPLETED
Updating rdbms version in Context file to db121
Updating rdbms type in Context file to 64 bits
Configuring templates from ORACLE_HOME ...
AutoConfig completed successfully.
[orauat@ebsuatbah bin]$
```

Step 24: Create the new MGDSYS schema (conditional)

If you upgraded from an RDBMS version prior to 12c, use SQL*Plus to connect to the database as SYSDBA and run the `$ORACLE_HOME/rdbms/admin/catmgd.sql` script. This creates the new MGDSYS schema.

```
[orauat@ebsuatbah bin]$ cd $ORACLE_HOME
```

```
[orauat@ebsuatbah 12c]$ cd rdbms/admin
```

```
[orauat@ebsuatbah admin]$ ls -ltr catmgd.sql
```

```
-rw-r--r-- 1 orauat dba 2530 Jul 20 2006 catmgd.sql
```

```
[orauat@ebsuatbah admin]$ sqlplus / as sysdba
```

```
SQL*Plus: Release 12.1.0.2.0 Production on Thu Jul 16 07:54:58 2015
```

```
Copyright (c) 1982, 2014, Oracle. All rights reserved.
```

```
Connected to:
```

```
Oracle Database 12c Enterprise Edition Release 12.1.0.2.0 - 64bit Production
```

```
With the Partitioning, OLAP, Advanced Analytics and Real Application Testing options
```

```
SQL> @catmgd.sql
```

Step 25: Run the autoconfig on application tier as well

```
[appluat@ebsuatbah ~]$ cd $ADMIN_SCRIPTS_HOME
```

```
[appluat@ebsuatbah scripts]$ ./adautocfg.sh
```

```

[appluat@ebsuatbah ~]$ cd $ADMIN_SCRIPTS_HOME
[appluat@ebsuatbah scripts]$ ./adautocfg.sh
Enter the APPS user password:

The log file for this session is located at: /u01/EBSBAHUAT/inst/apps/BAHUAT_ebsuatbah/admin/log/07160758/adconfig.log

AutoConfig is configuring the Applications environment...

AutoConfig will consider the custom templates if present.
Using CONFIG_HOME location      : /u01/EBSBAHUAT/inst/apps/BAHUAT_ebsuatbah
Classpath                       : /u01/EBSBAHUAT/apps/apps_st/comm/java/lib/appsborg2.zip:/u01/EBSBAHUAT/apps/apps_st/comm/java/classes

Using Context file              : /u01/EBSBAHUAT/inst/apps/BAHUAT_ebsuatbah/appl/admin/BAHUAT_ebsuatbah.xml

Context Value Management will now update the Context file

Updating Context file...COMPLETED

Attempting upload of Context file and templates to database...COMPLETED

Configuring templates from all of the product tops...
Configuring AD_TOP.....COMPLETED
Configuring FND_TOP.....COMPLETED
Configuring ICX_TOP.....COMPLETED
Configuring MSC_TOP.....COMPLETED
Configuring IEO_TOP.....COMPLETED
Configuring BIS_TOP.....COMPLETED
Configuring AMS_TOP.....COMPLETED
Configuring CCT_TOP.....COMPLETED
Configuring WSH_TOP.....COMPLETED
Configuring CLM_TOP.....COMPLETED
Configuring OKE_TOP.....COMPLETED
Configuring OKL_TOP.....COMPLETED
Configuring OKS_TOP.....COMPLETED
Configuring CSF_TOP.....COMPLETED
Configuring IGS_TOP.....COMPLETED
Configuring IBY_TOP.....COMPLETED
Configuring JTF_TOP.....COMPLETED
Configuring MWA_TOP.....COMPLETED
Configuring CN_TOP.....COMPLETED
Configuring CSI_TOP.....COMPLETED
Configuring WIP_TOP.....COMPLETED
Configuring CSE_TOP.....COMPLETED

```

Now Successfully completed our database upgrade method

Please check

ORACLE Applications Manager

Support Cart Setup Home Logout Help

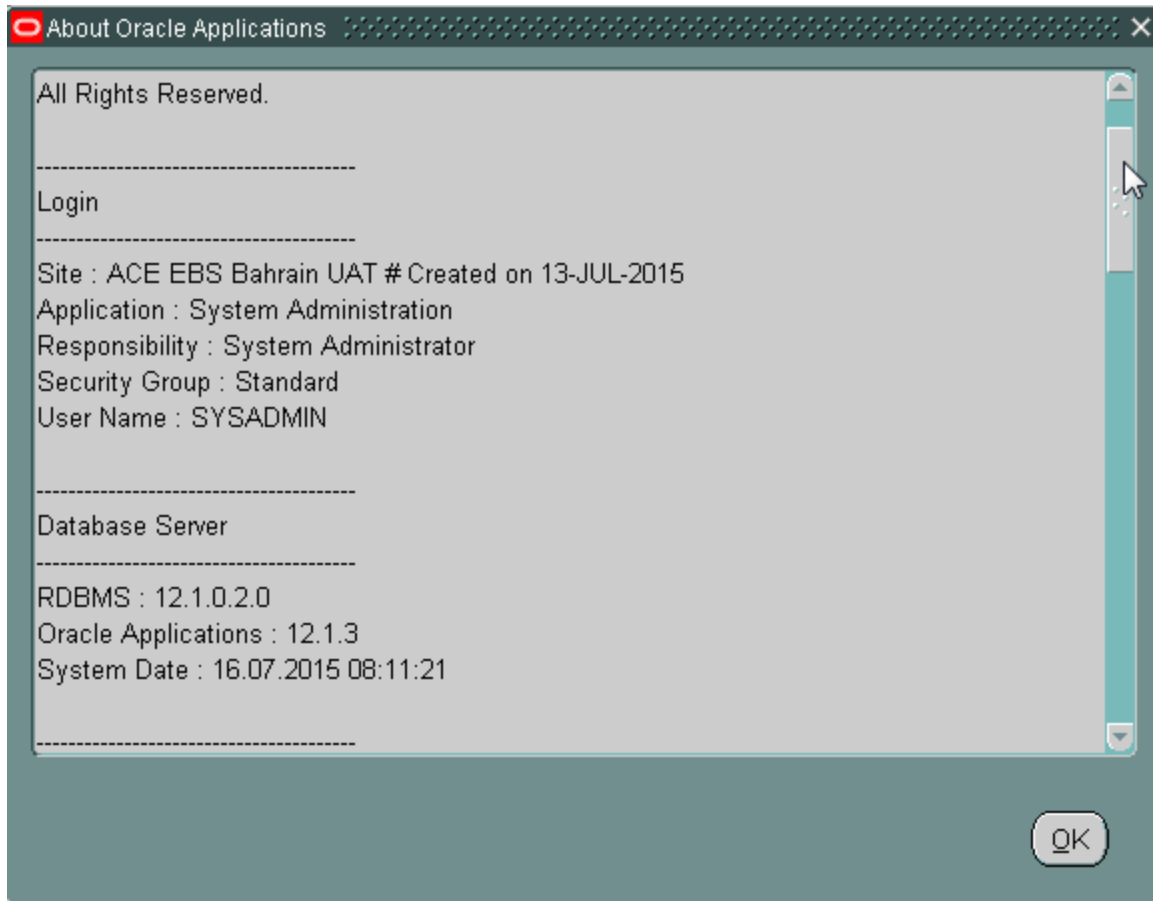
Applications Dashboard Site Map

Wait Events Memory Statistics System Statistics Tablespaces and Status Rollback Segments and Extents

Database Status Details: BAHUAT

Last Updated : 16.07.2015 05:08:14

Instance Status								
Name	Host	Version	Startup Time	State	Shutdown Pending	Status	Role	Sessions
BAHUAT	ebsuatbah	12.1.0.2.0	15.07.2015 16:10:38	OPEN	NO	✓	PRIMARY_INSTANCE	24



Ref : Interoperability Notes EBS 12.0 or 12.1 with RDBMS 12cR1 (Doc ID 1524398.1)