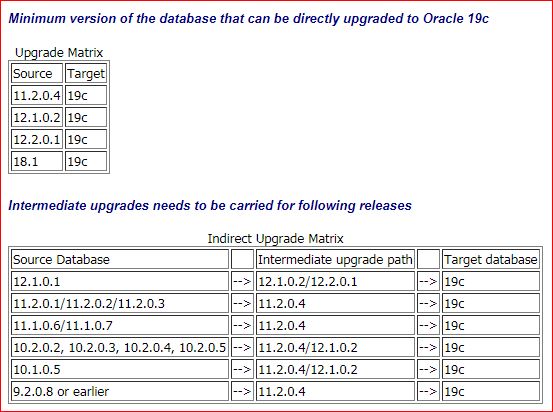
**Upgradation from 11g to 19c (dbua)**



**Automatic Setup**

* **If you plan to use the "oracle-database-preinstall-19c" package to perform all your prerequisite setup, issue the following command.**

**#** yum install -y oracle-database-preinstall-19c

**Create the required directories**

mkdir -p /home/oracle/app/oracle/product/19c/dbhome\_1

chown -R oracle:oinstall /home

chmod -R 775 /home

**PRE-UPGRADE TASKS**

1. **Take the backup of the database.**
2. **Create restore point.**
3. **Check the component status.(desc dba\_registey)**

SQL>**Select comp\_id,version,status from dba\_registry;**

1. **Check the invalid objects.**

SQL>**select count(\*) from dba\_objects where status='INVALID';**

* **if any invalid compoments and objects run ultrp.sql script(@?/rdbms/admin/utlpr.sql)**

1. **Install 19c software**.( /SSD/oracle/app/oracle/product/19c/dbhome\_1)
2. **select version from v$timezone\_file;**
3. **Empty RECYCLEBIN**

SQL> PURGE DBA\_RECYCLEBIN ;

**Run preupgrade script**

* **/SSD/oracle/app/oracle/product/11.2.0.4/dbhome\_2/jdk/bin/java -jar /SSD/oracle/app/oracle/product/19c/dbhome\_1/rdbms/admin/preupgrade.jar FILE DIR /SSD/19c**
* **This script will create 3 files in the /SSD/19c location.**

1. **Preupgrade.log**
2. **Preupgrade\_fixups.sql**
3. **Postupgrade\_fixups.sql**

* **Preupgrade.log file will contain some recommendations like memory increase,tablespace resize,gather stats.(REQUIRED ACTIONS)**
* Once the recommended changes are done.Re-run the preupgrade script one more time and check if any other recommendations.

# **Connect to sql and run**

1. EXECUTE gather stats on DICTIONARY\_STATS and FIXED\_OBJECTS\_STATS before upgrade also.

\* SQL> Execute DBMC\_STATS.GATHER\_DICTIONARY\_STATS;

\* SQL> Execute DBMC\_STATS.GATHER\_ FIXED\_OBJECTS\_STATS;

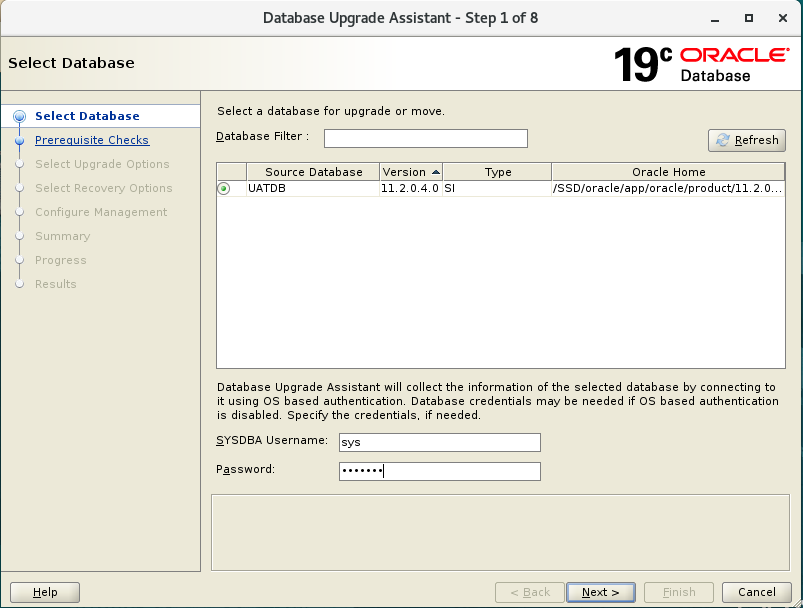
1. Now run **Preupgrade\_fixups.sql** On 11g database.

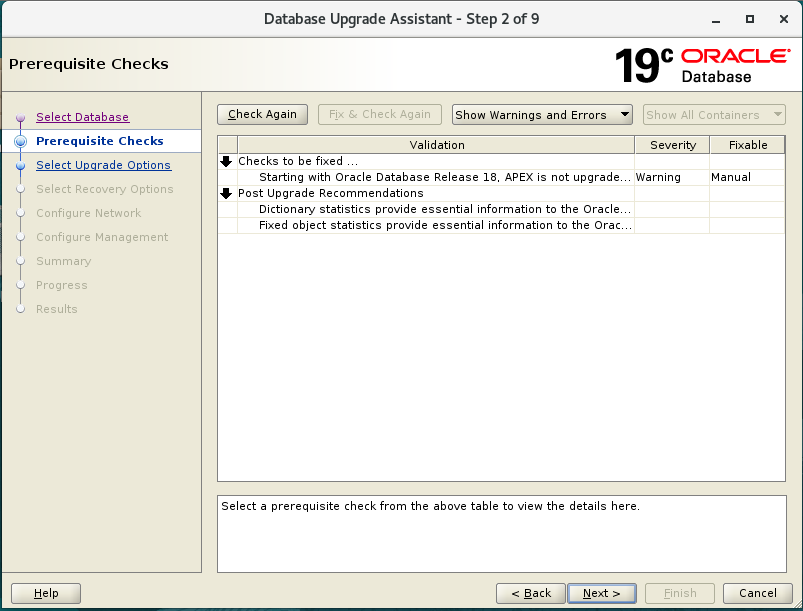
SQL> @/SSD/19c/preupgrade\_fixups.sql

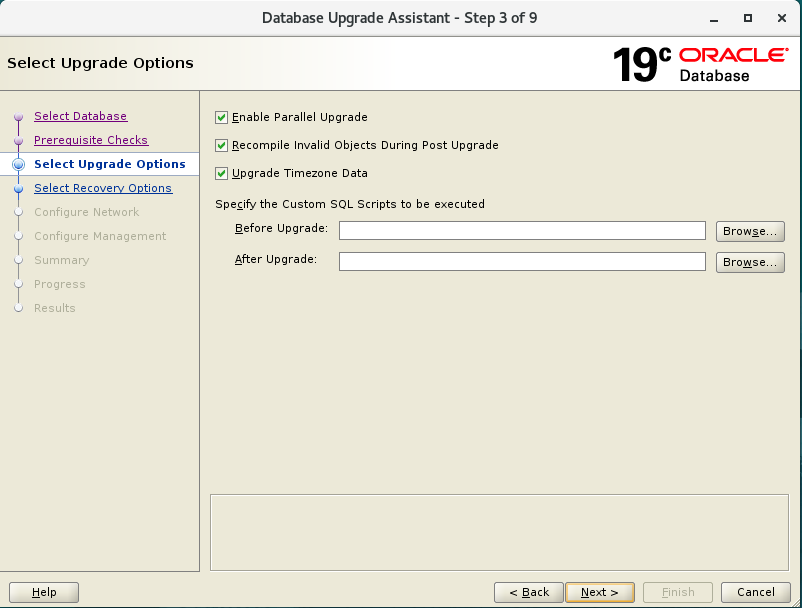
1. min\_recovery\_area\_size    NO          Manual fixup required.
2. parameter\_min\_val         NO          Manual fixup recommended.
3. em\_present                NO          Manual fixup recommended.
4. amd\_exists                NO          Manual fixup recommended.
5. apex\_manual\_upgrade       NO          Manual fixup recommended.
6. trgowner\_no\_admndbtrg     YES         None.
7. pre\_fixed\_objects         YES         None.
8. tablespaces\_info          NO          Informational only.Further action is optional.
9. exf\_rul\_exists            NO          Informational only.Further action is optional.
10. rman\_recovery\_version     NO          Informational only.Further action is optional.
11. The fixup scripts have been run and resolved what they can. However,
12. there are still issues originally identified by the preupgrade that
13. have not been remedied and are still present in the database.
14. Depending on the severity of the specific issue, and the nature of
15. the issue itself, that could mean that your database is not ready
16. for upgrade.  To resolve the outstanding issues, start by reviewing
17. the preupgrade\_fixups.sql and searching it for the name of
18. the failed CHECK NAME or Preupgrade Action Number listed above.
19. There you will find the original corresponding diagnostic message
20. from the preupgrade which explains in more detail what still needsto be done.
21. PL/SQL procedure successfully completed.

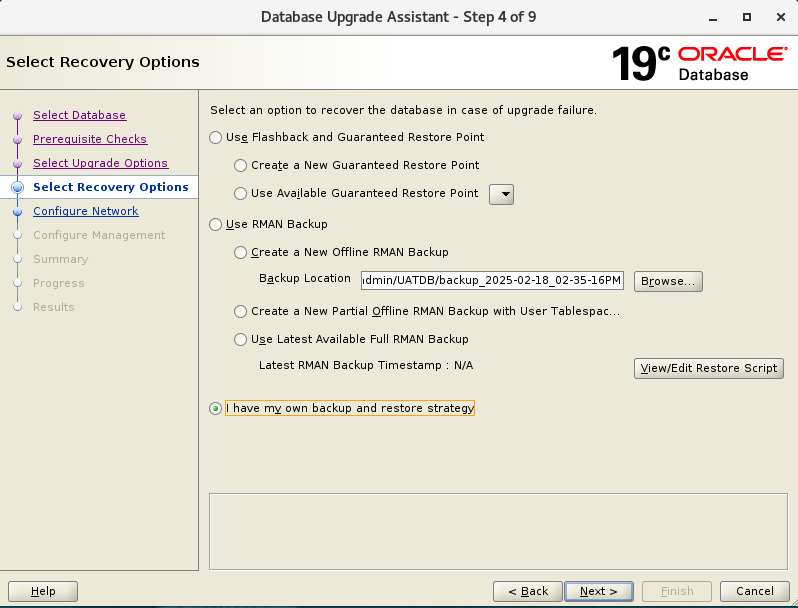
**Login** to VNC and invoke **/SSD/app/oracle/product/19.0.0/dbhome\_1/bin** dbua

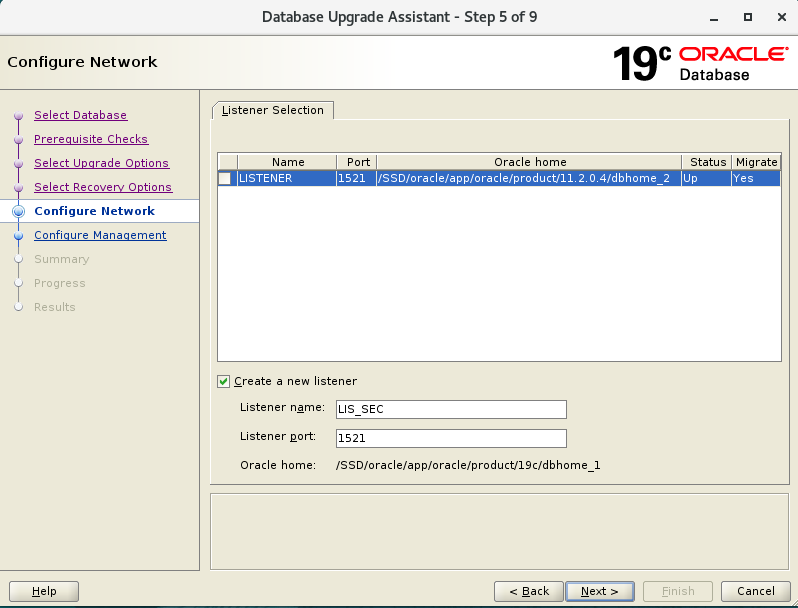
* ./dbua

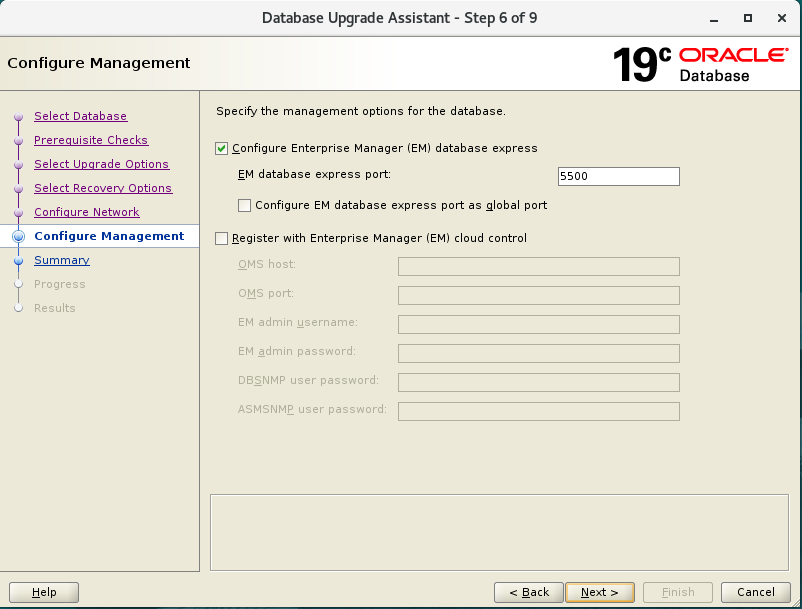


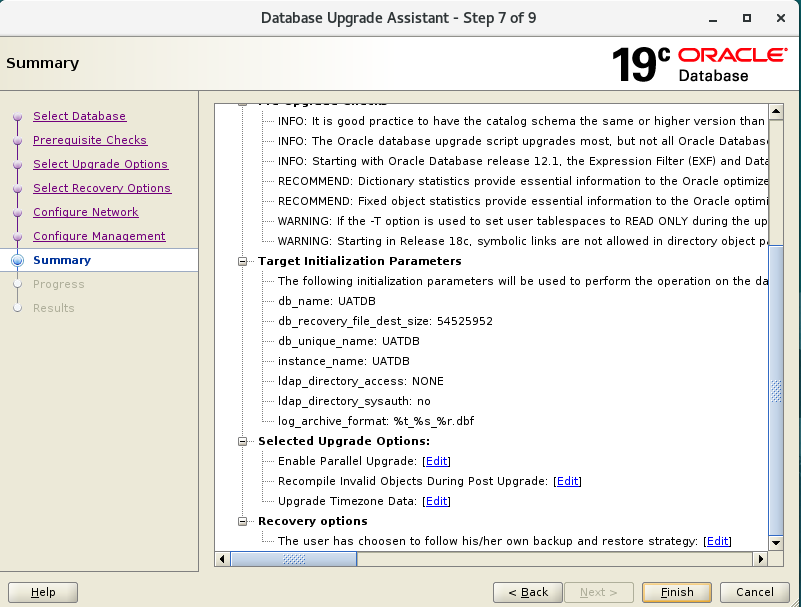


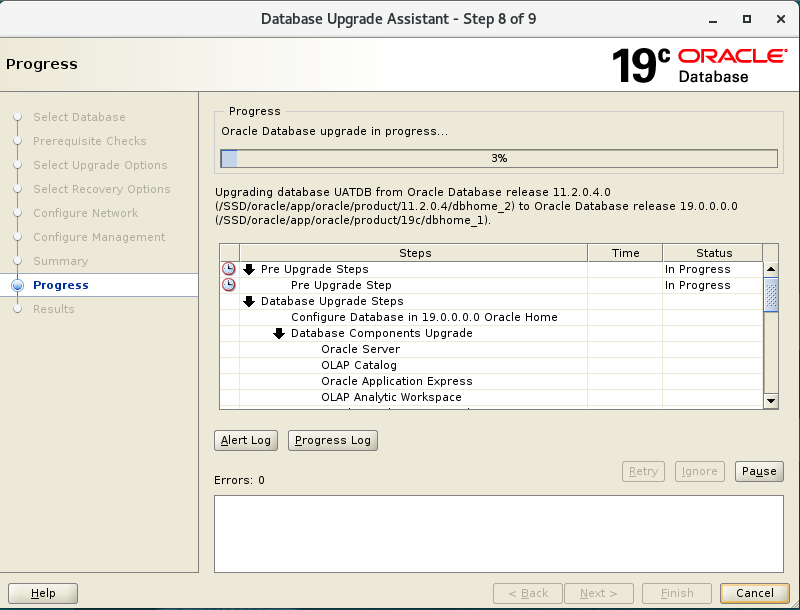


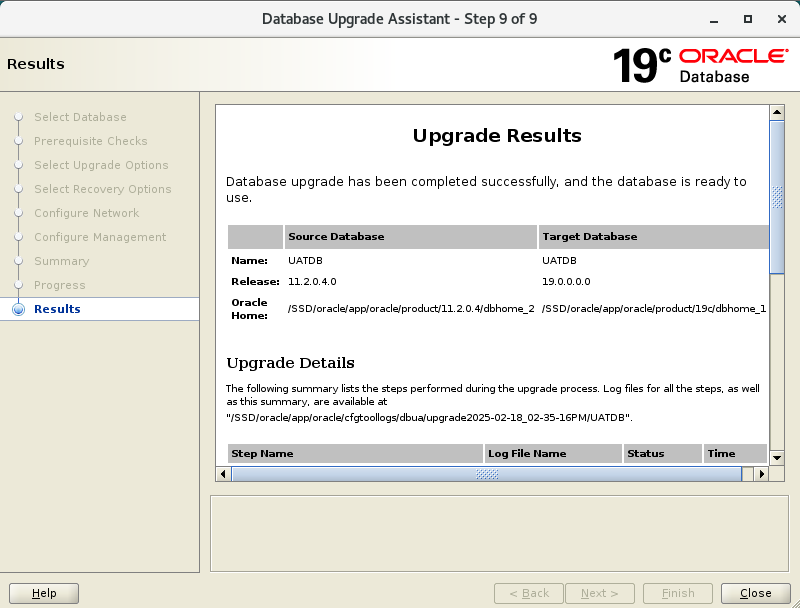












Close the GUI and set(. oraenv)

* Connect o sqlplus / as sysdba
* Check the version,components

SQL> select banner from v$version;

SQL>select comp\_id,version,status from dba\_registry;

Run postupgrade\_fixups.sql

SQL>@/SSD/19c/postupgrade\_fixups.sql

* Check for the invalid objects.(@?/rdbms/admin/utlrp.sql)

Change compatible parameter.

SQL>show parameter compatible;

* Alter system set compatible=’19.0.0.0’ scope=spfile;
* Shut immediate;
* Startup;