Step by Step Oracle 21c Installation On Linux



Description:-

In this posting we are going to see the step by step Oracle 21c Database Installation on Linux.

Note:-

- Oracle Database 19c is the current long term release, and it provides the highest level of release stability and longest time-frame for support and bug fixes.
- Oracle Database 21c, also available for production use today as an innovation release, provides an early insight into the many enhancements and new capabilities.
- Oracle have announced there will be no 22c release, so the next release after 21c will be 23c, which will be the next long term release.
- o If you are on 19c than you need to wait until 23c is released

Step:-1 Download the database 21c software

Once you've downloaded the software, unzip file to the oracle home directory. With Oracle 21c, you don't need any staging directory. You can just unzip to Oracle Home. Here we have download Oracle 21.3 from the Oracle 21c linux download page.

Step:-2 Create the new groups and users.

[root@oracle21c ~]# groupadd -g 54321 oinstall

[root@oracle21c ~]# groupadd -g 54322 dba

[root@oracle21c ~]# groupadd -g 54323 oper

[root@oracle21c ~]# useradd -u 54321 -g oinstall -G dba,oper oracle

[root@oracle21c ~]# passwd oracle

Step:-3 Create Oracle home directory and give ownership to Oracle user

[root@oracle21c ~]# mkdir -p /u01/app/oracle/product/21.0.0.0 [root@oracle21c ~]# chown -R oracle:oinstall /u01 [root@oracle21c ~]# chmod -R 775 /u01

Step:-4 Setup Oracle user bash_profile

[oracle@oracle21c ~]\$ cat .bash_profile export ORACLE_BASE=/u01/app/oracle export ORACLE_HOME=/u01/app/oracle/product/21.0.0.0 export ORACLE_SID=TEST 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

Step:-4 Copied the Oracle Software and unzip

[oracle@oracle21c 21.0.0.0]\$ cd
[oracle@oracle21c ~]\$ cd /u01/app/oracle/product/21.0.0.0/
[oracle@oracle21c 21.0.0.0]\$ ls -lrt
total 3036356
-rwxrwxr-x. 1 oracle oinstall 3109225519 Aug 24
00:10 LINUX.X64 213000 db home.zip

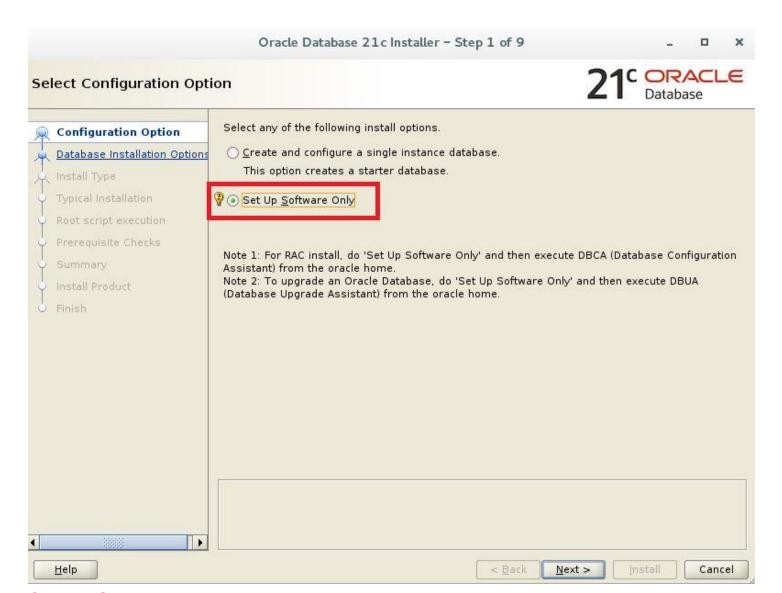
[oracle@oracle21c 21.0.0.0]\$ unzip LINUX.X64_213000_db_home.zip

Step:-5 Start the installation

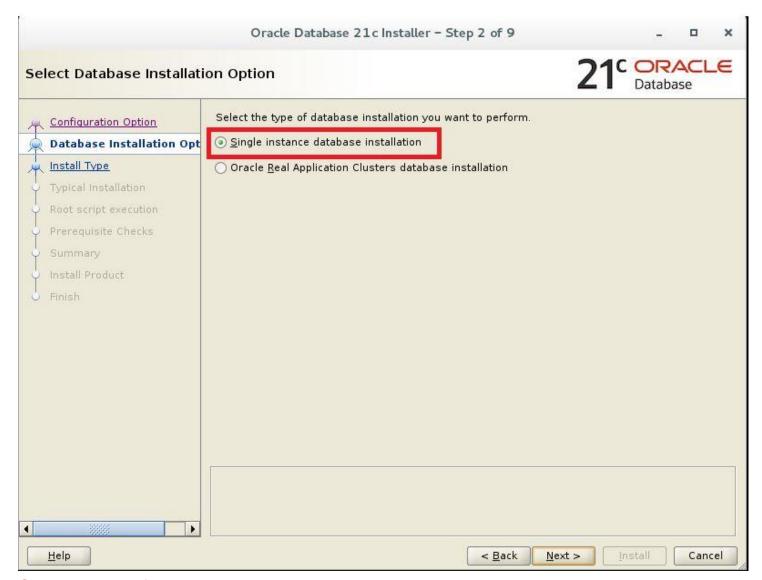
Open an X-Windows session to the server as the "oracle" user. /u03/app/oracle/product/21.0.0.o/runInstaller Once the GUI starts, respond as follows:

[oracle@oracle21c ~]\$ cd /u01/app/oracle/product/21.0.0.0/ [oracle@oracle21c 21.0.0.0]\$./runInstaller

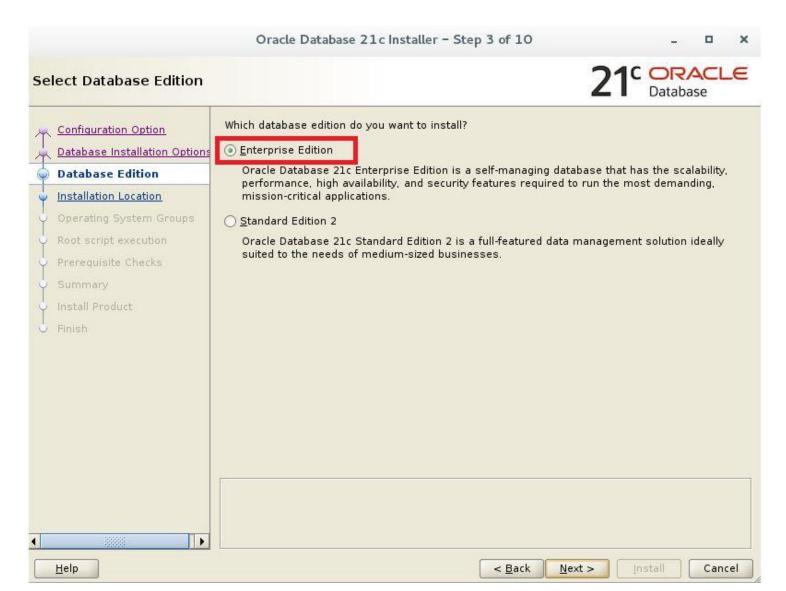
Click on Setup Software Only and then do Next



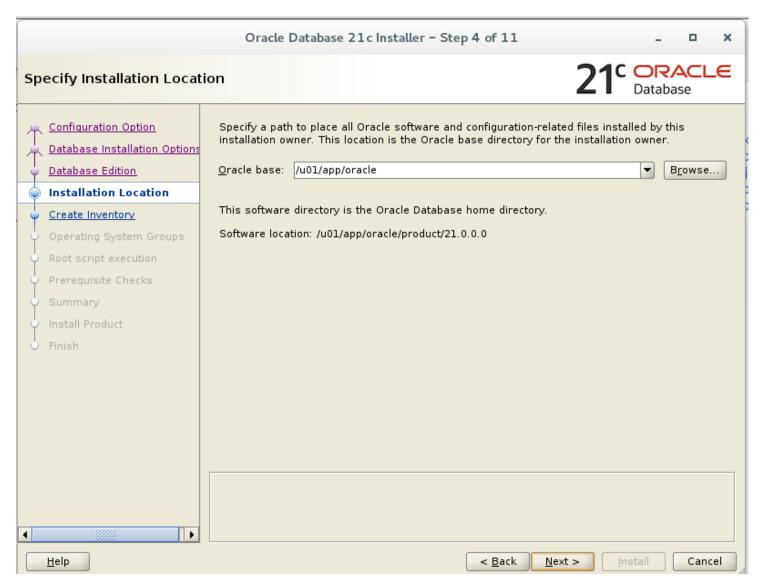
Click on Single Instance database installation and click Next



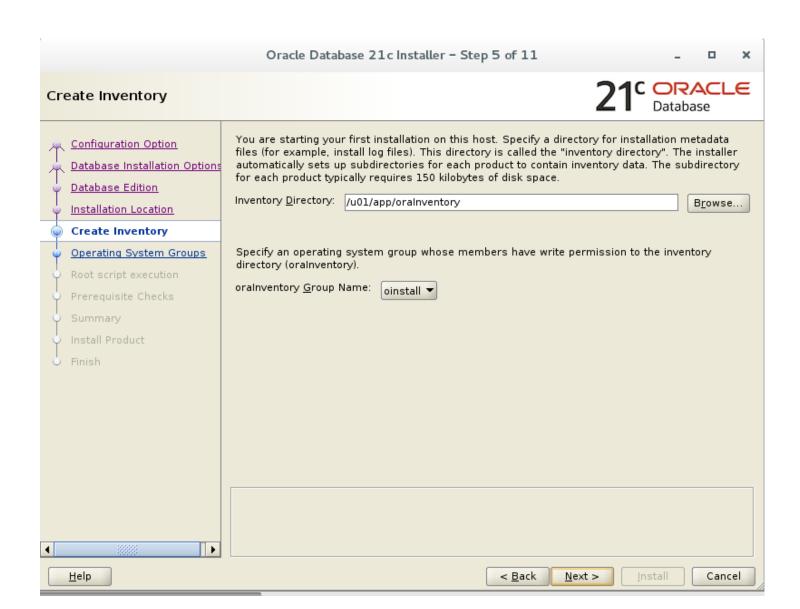
Click on Type of edition you require and then click next-choose Enterprise Edition

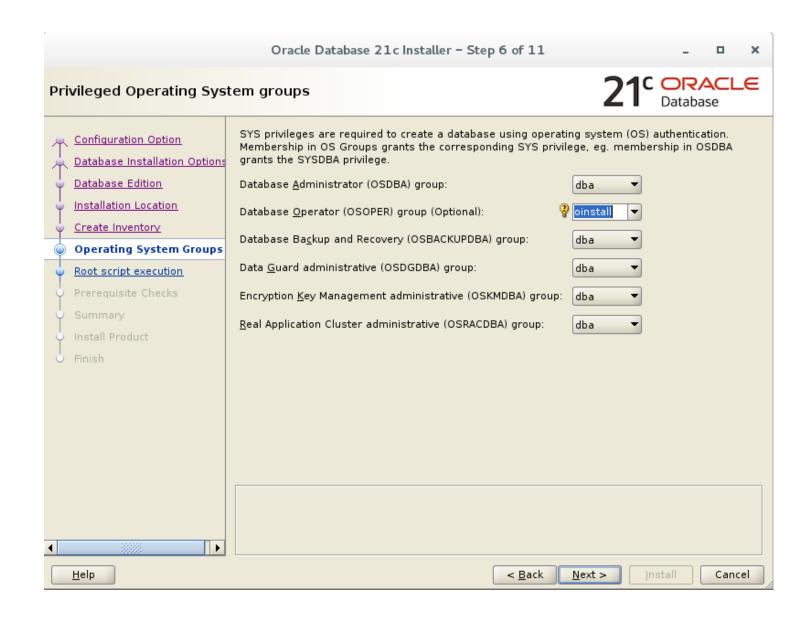


Check the Oracle Base Location and then click next

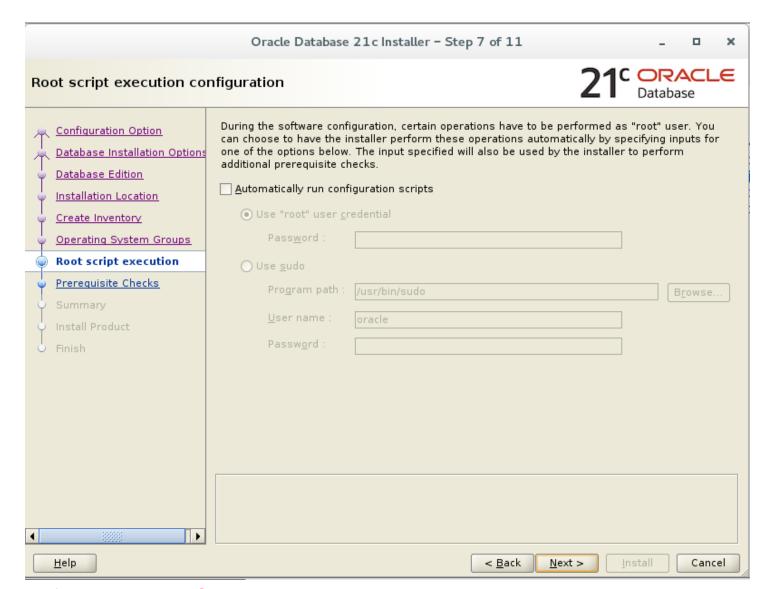


Choose the default and click next

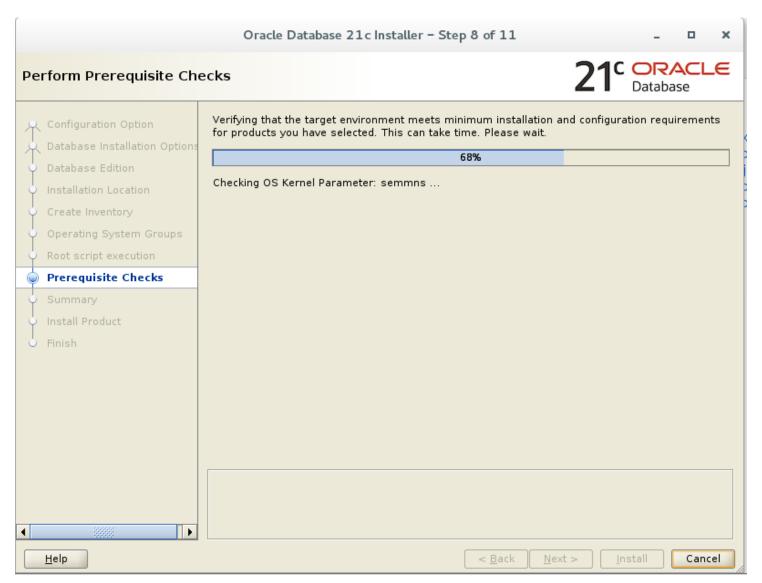




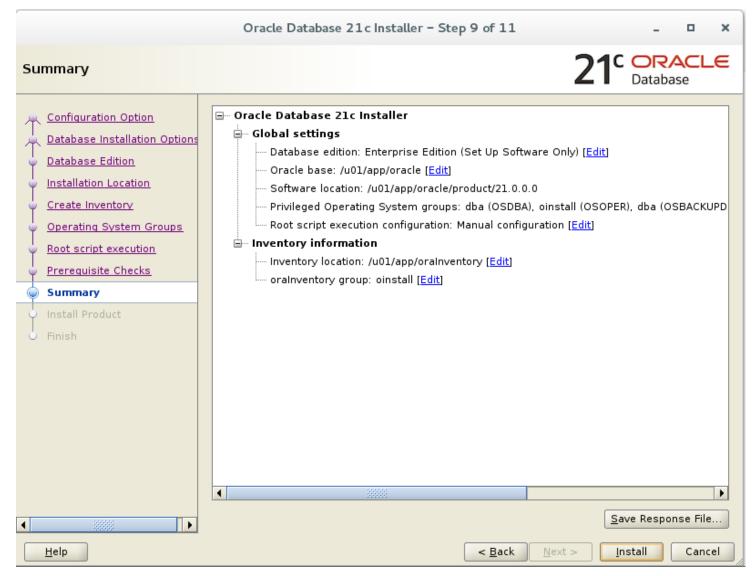
We can choose to run the root.sh from installation only by providing the root password or sudo information. Here we choose to take the manual root.sh and just click Next



Perform Prerequisite Checks



Summary



Run the root scripts when prompted.

As a root user, execute the following script(s):

/u01/app/oralnventory/orainstRoot.sh /u01/app/oracle/product/21.0.0.0/root.sh

[root@oracle21c ~]# /u01/app/oralnventory/orainstRoot.sh

Changing permissions of /u01/app/oralnventory.

Adding read, write permissions for group.

Removing read, write, execute permissions for world.

Changing groupname of /u01/app/oralnventory to oinstall.

The execution of the script is complete.

[root@oracle21c ~]# /u01/app/oracle/product/21.0.0.0/root.sh

Performing root user operation.

The following environment variables are set as:

ORACLE_OWNER= oracle

ORACLE_HOME= /u01/app/oracle/product/21.0.0.0

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 ...

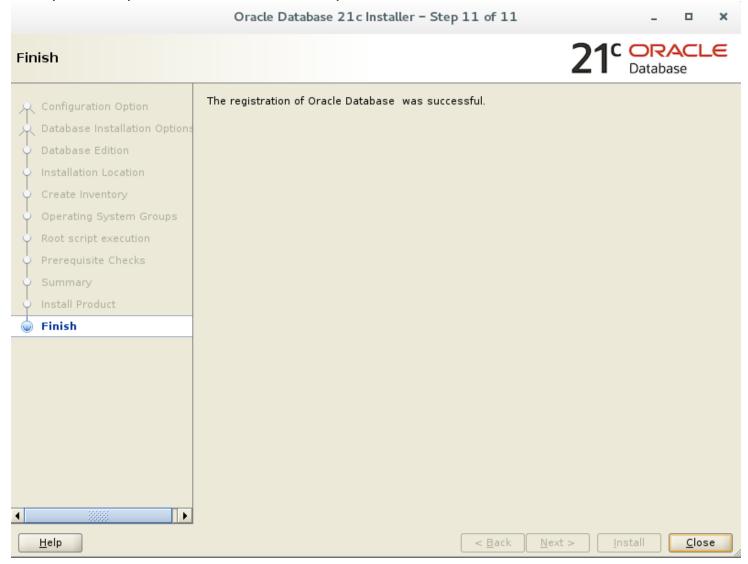
Creating /etc/oratab file...

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.



We have successfully completed the Oracle Database 21c Installation On Oracle Linux 7 (OL7).