

Steps For Oracle Database Installation

1. Download 19c Oracle Software from the given below link.

File- [LINUX.X64_193000_db_home.zip](#)

2. Create a user and groups in the root.

- a. `groupadd -g 54321 oinstall`
- b. `groupadd -g 54322 dba`
- c. `groupadd -g 54323 oper`
- d. `useradd -u 54321 -g oinstall -G dba,oper oracle`
- e. `passwd oracle`

Note: we have to create these users and groups when it is not created but in the ACE version default it is made so we no need to do it.

3. Create an Oracle home directory and give ownership to the Oracle user in the root.

- a. `mkdir -p /u01/app/oracle/product/19.0.0.0`
- b. `chown -R oracle:oinstall /u01`
- c. `chmod -R 775 /u01`

4. Setup Oracle user bash_profile in Oracle user

Cmd - `su - oracle`

Path - `cd /home/oracle`

- a. `vi .bash_profile`

`export ORACLE_HOME=/u01/app/oracle/product/19.0.0.0`

`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`

- b. Run bash_profile = `./bash_profile`

5. Move the oracle software file in the oracle home path and unzip the file

oracle _home path = `/u01/app/oracle/product/19.0.0.0`

- a. `unzip LINUX.X64_193000_db_home.zip`

- b. Cmd: `ls -lrt`

Then we can observe the `-rwxrwxr-x. 1 oracle oinstall 3109225519 Aug 24 00:10 LINUX.X64_193000_db_home.zip`

6. Start the installation i.e. Open an X-Windows session to the server as the switch to “oracle” user.

- a. Go to `cd /u01/app/oracle/product/19.0.0.0/`

- b. Run command of `./runInstaller`

- c. GUI mode will be open and follow the slides given below.

- Click on No



Note: After executing the runInstaller we can observe a pop-up alert to sort it out. We have to do a modification in a cvu_config file.

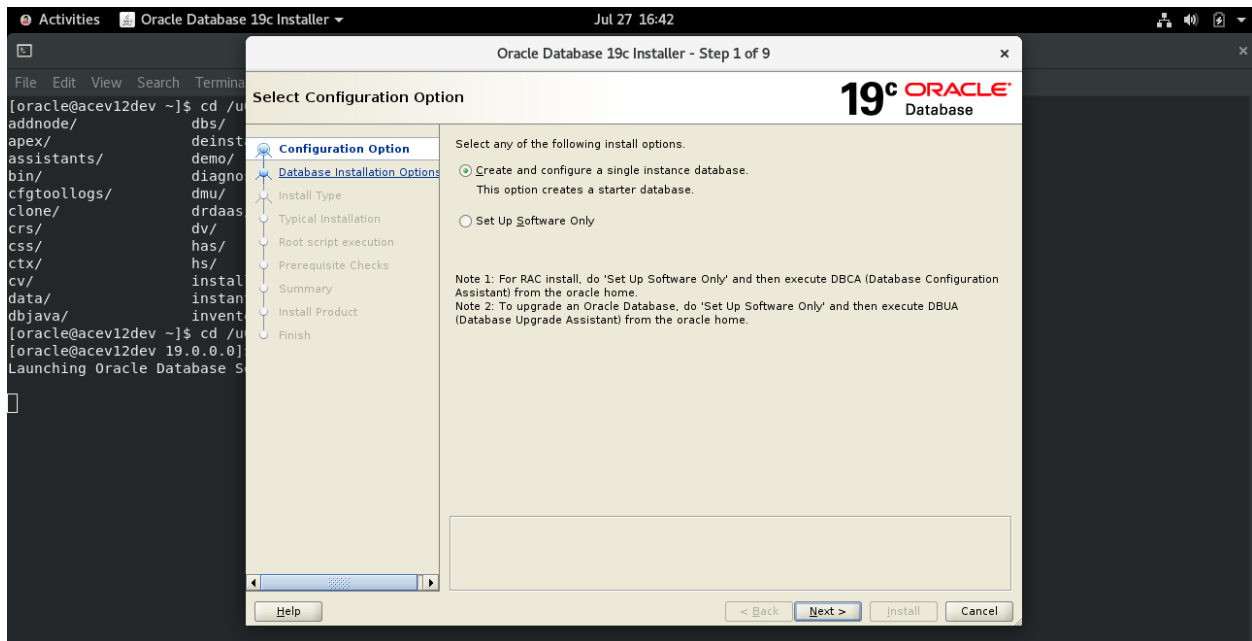
Path - `cd /u01/app/oracle/product/19.0.0.0/cv/admin`

`vi cvu_config`

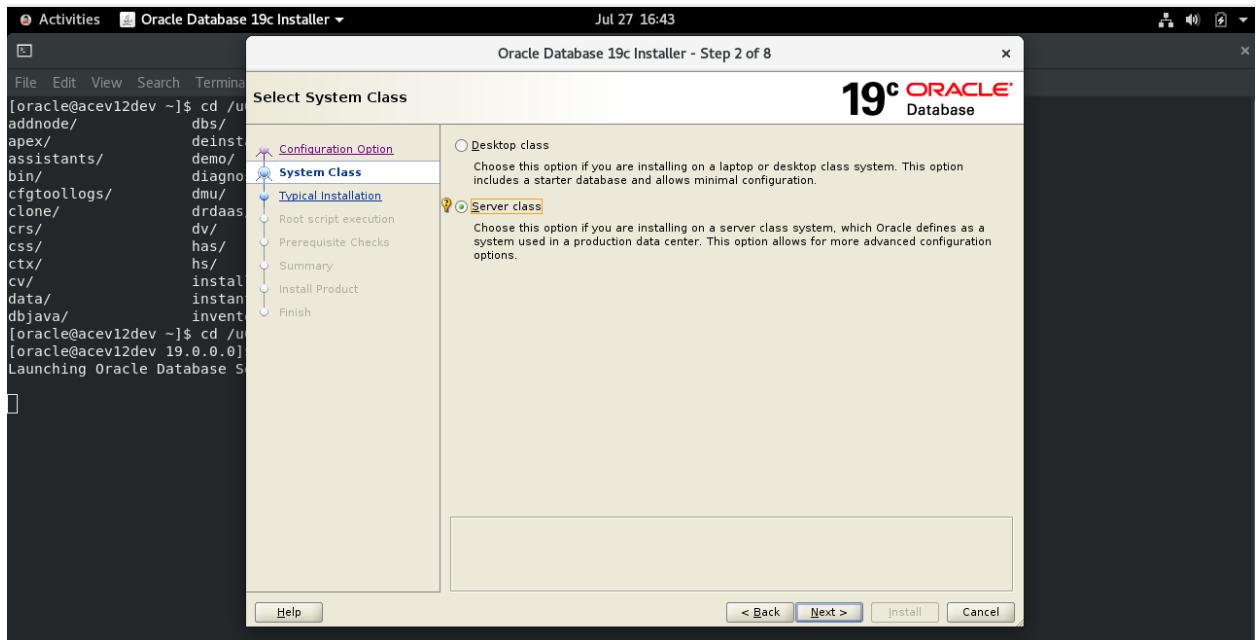
Old_one = `#CV_ASSUME_DISTID=OEL5`

New_old = `CV_ASSUME_DISTID=OEL8` Save it and now run again....

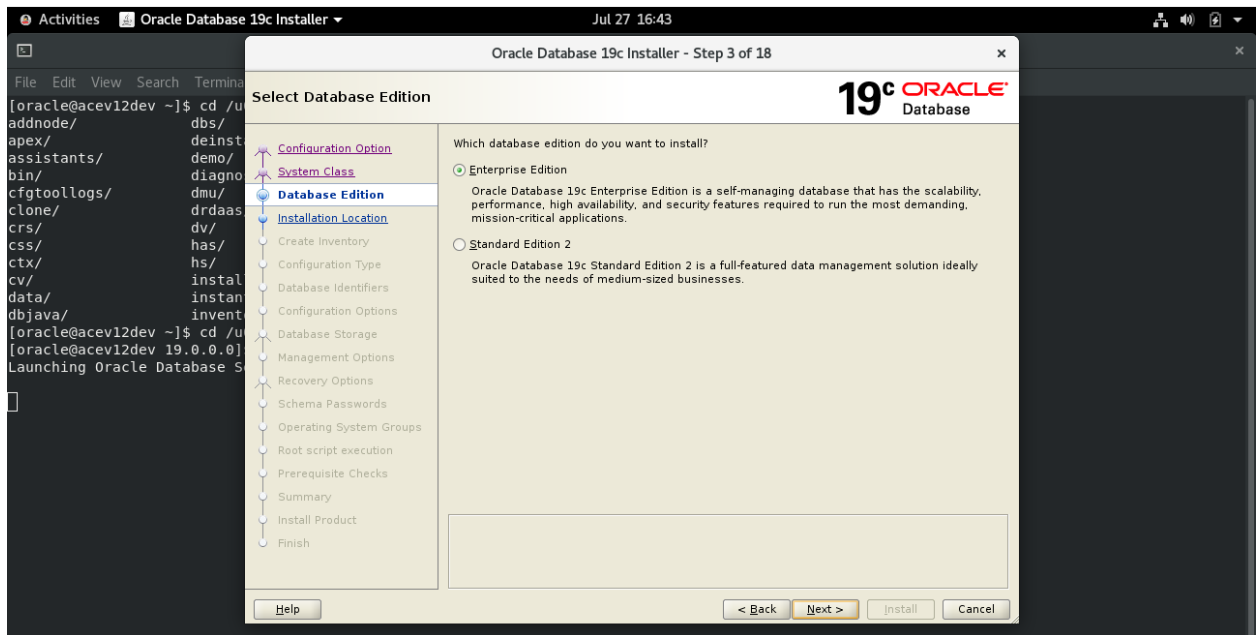
- Select Create & Configure a single instance database and click on next.



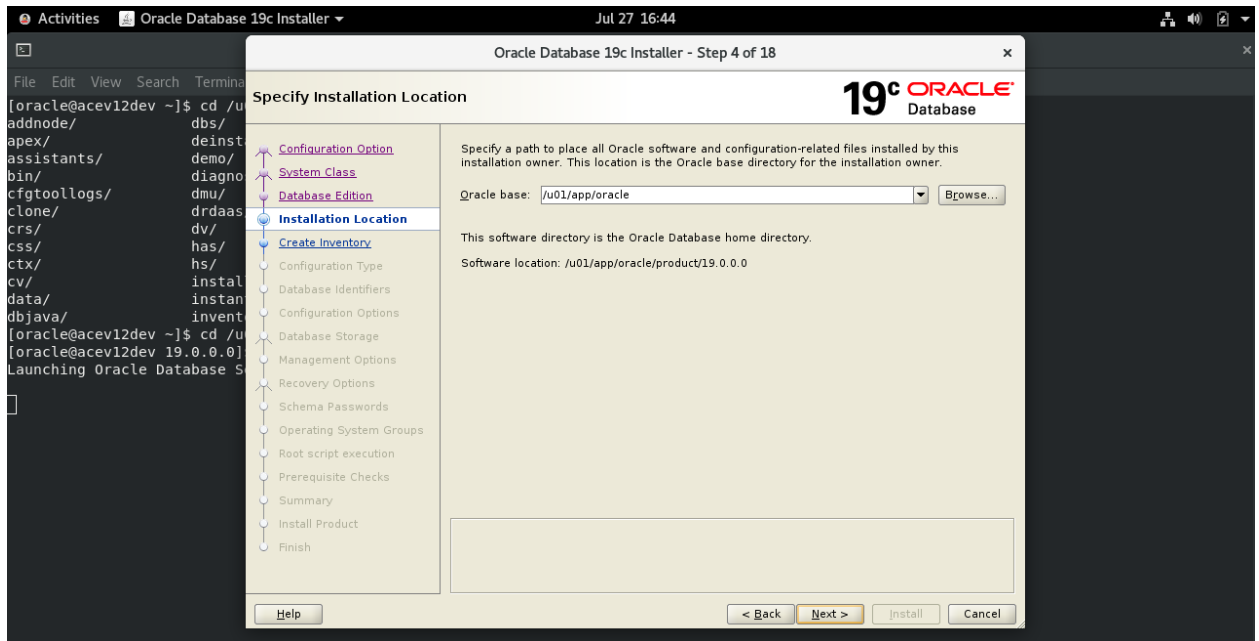
- Select server class and click on next.



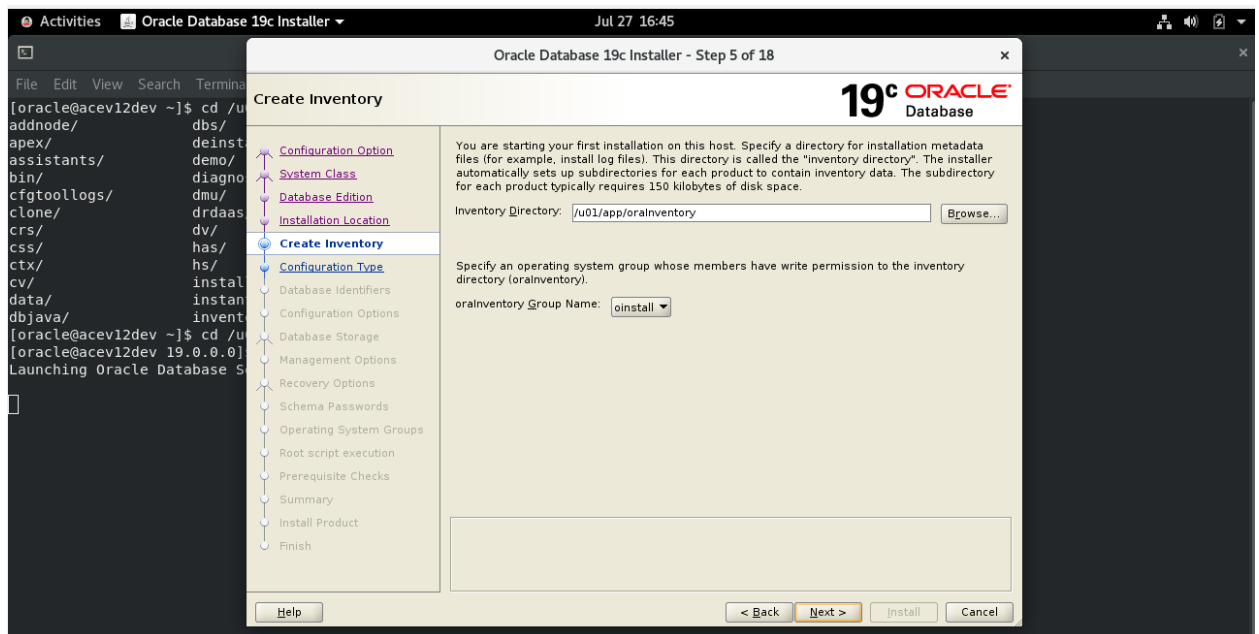
- Select enterprise edition and click on next.



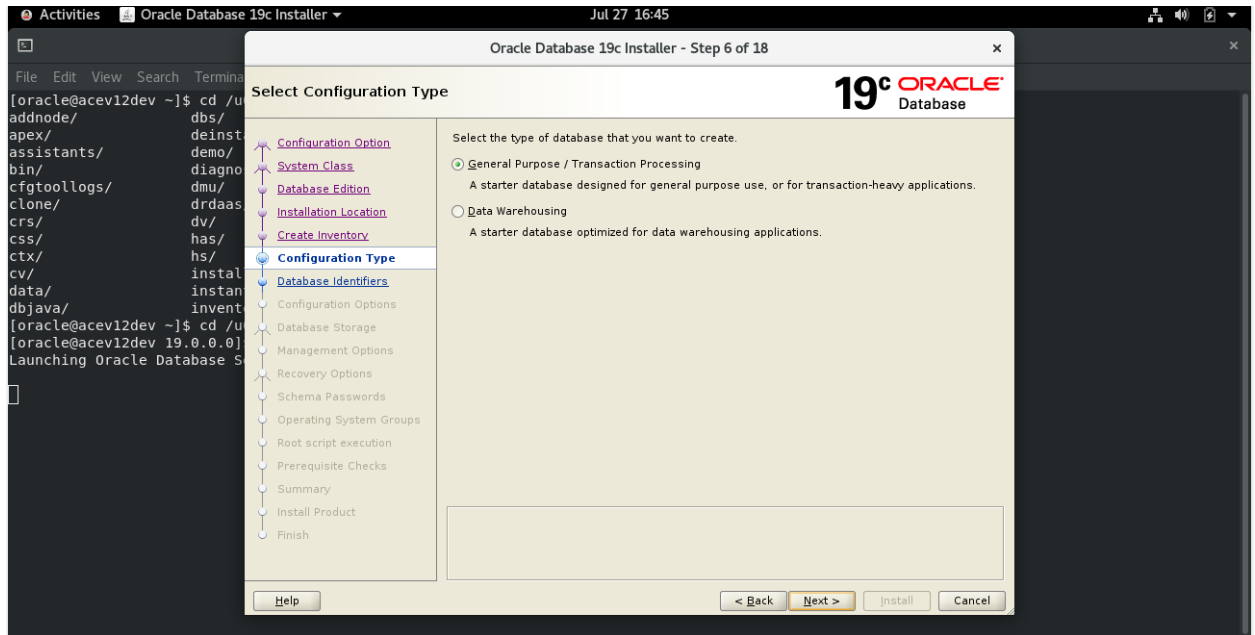
- It shows the installation path of it and click on next.



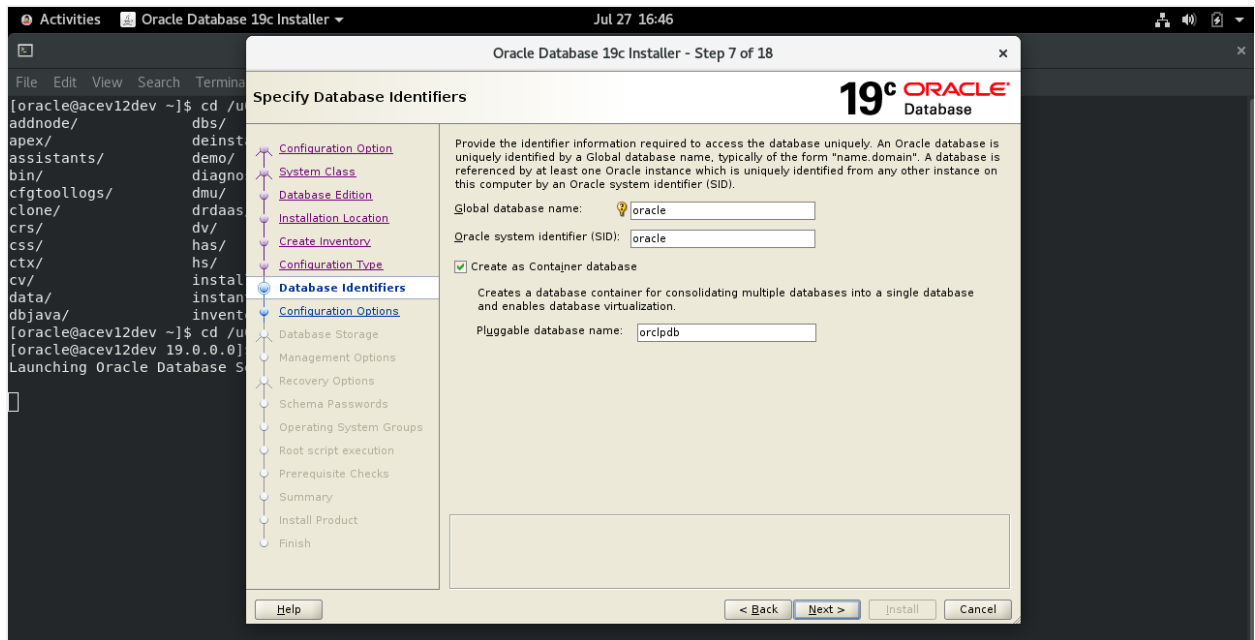
- Ignore it see the oraInventory path and click on next.



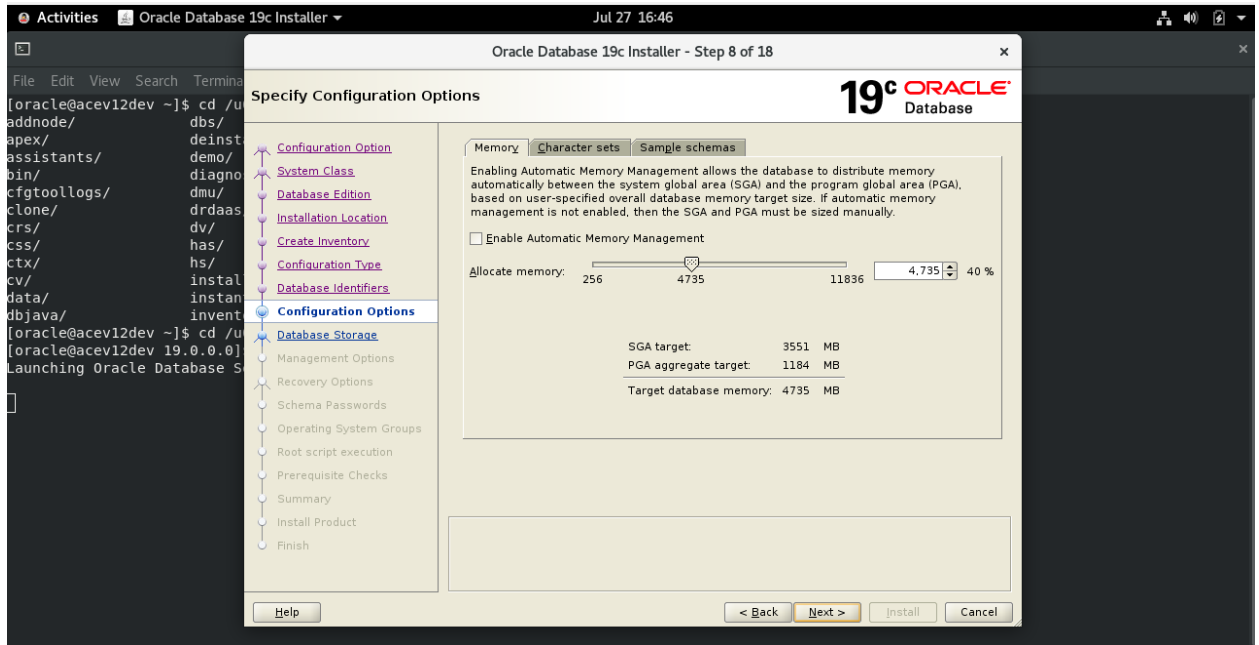
- Select general purpose/transaction processing and click on next.



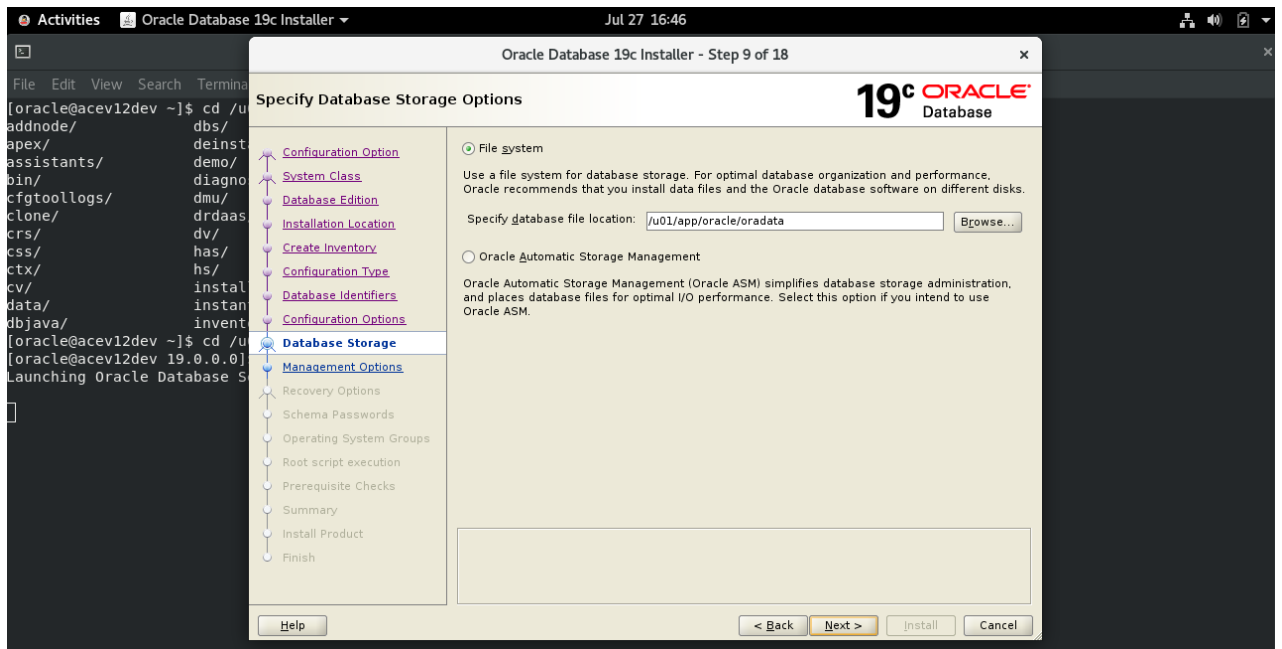
- Mention the database name and click on next.



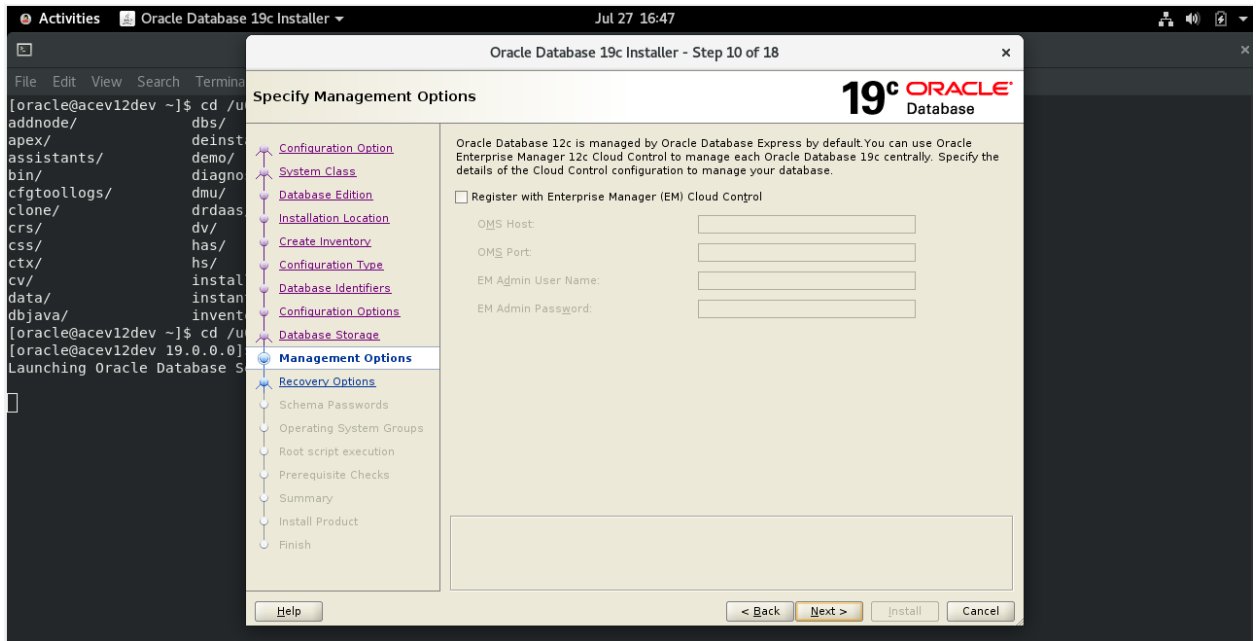
- Ignore it and click on next.



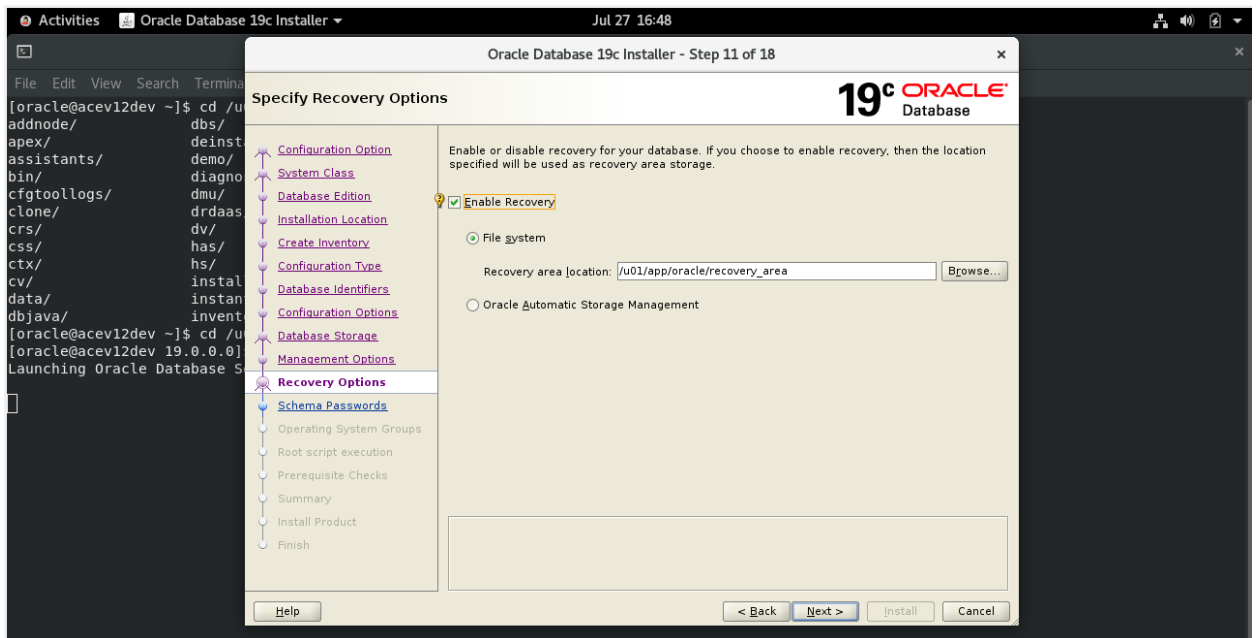
- Select the file system it will show the database file location and click on next.



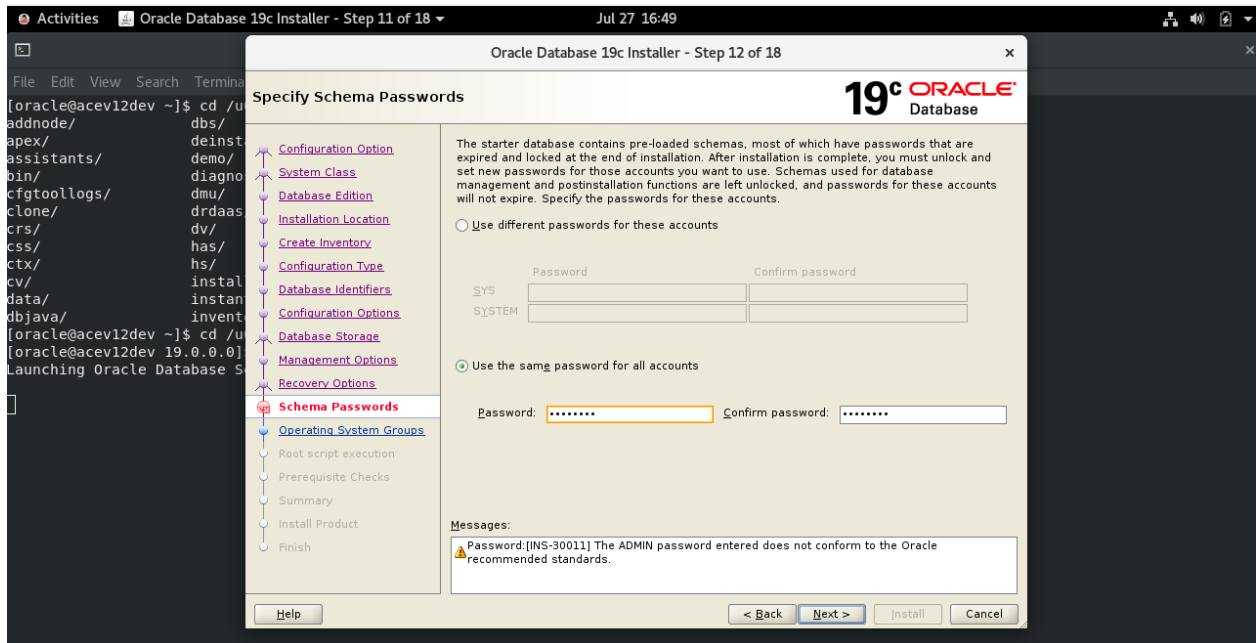
- Ignore it and click on next.



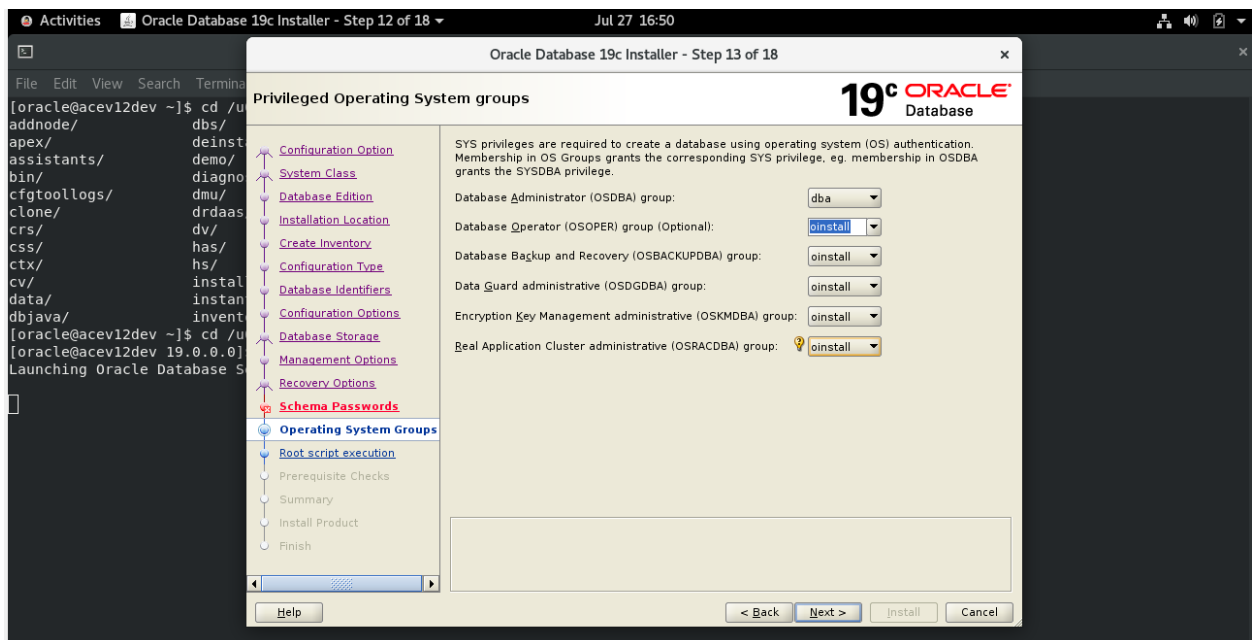
- Enable the recovery and click on next.



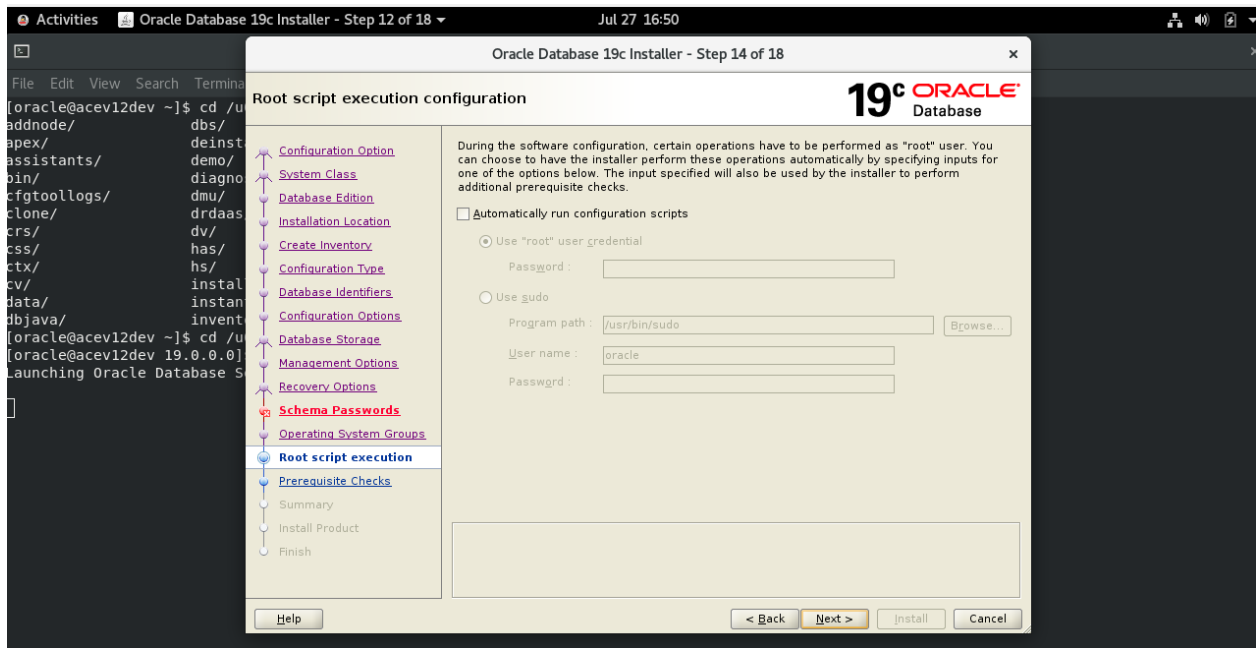
- Select the use same password for all accounts then mention the password and click on next.



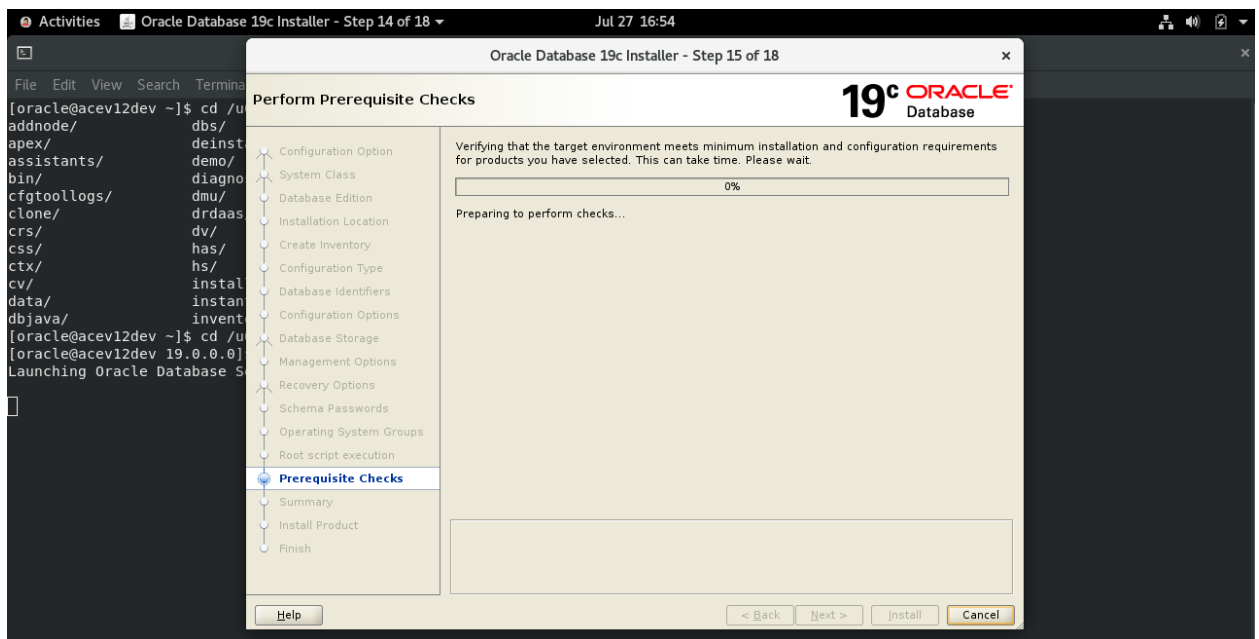
- Except database operator select oinstall for everything and click on next.



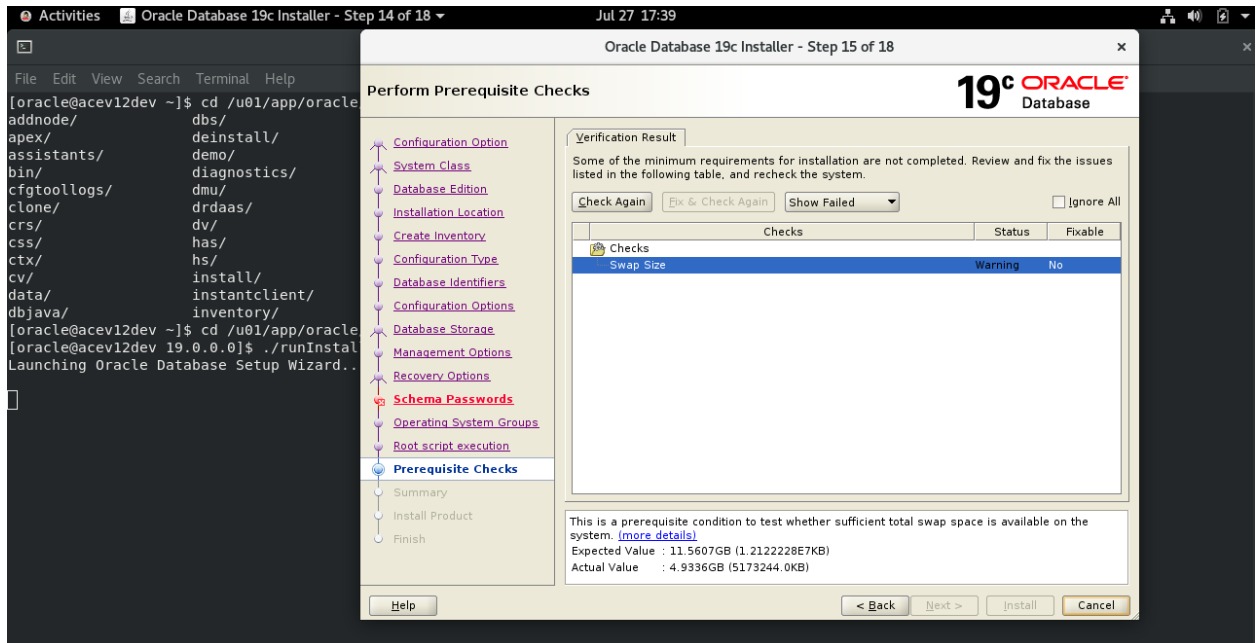
- Ignore it and click on next.



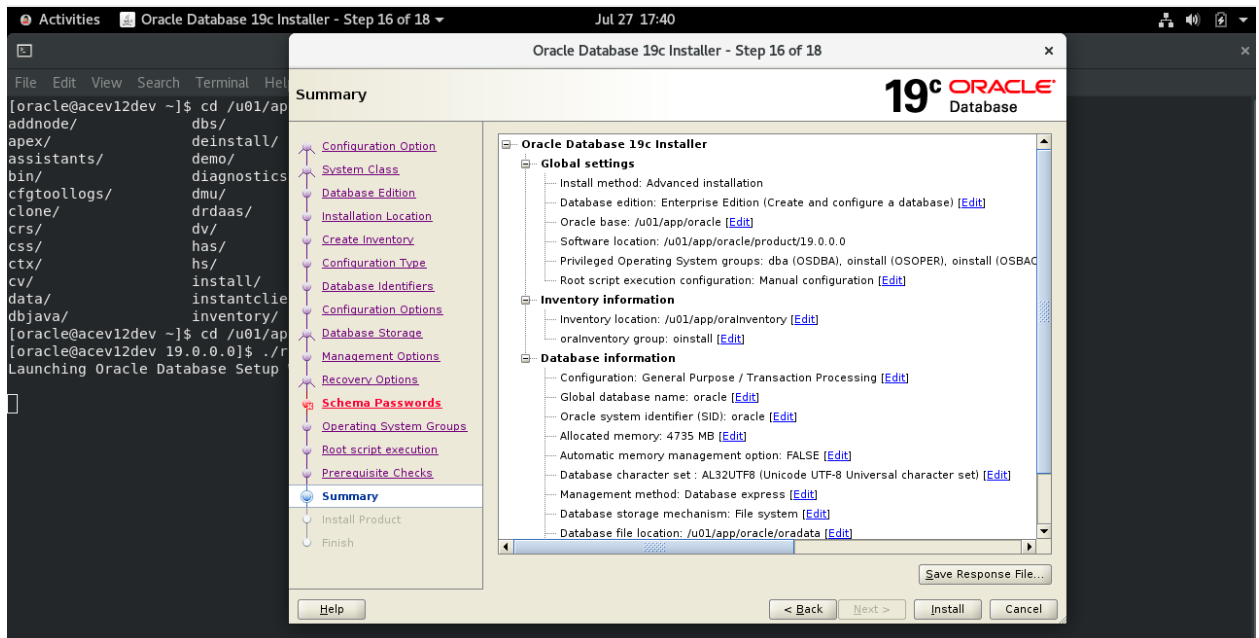
- Evaluating the pre-requisite checks and click on next.



- Ignore the swap size and click on next.



- Check the summary and click on install.



- Go to the path and run two script files like orainstRoot.sh & root.sh and these two commands should run in root user.

Cmd - **./orainstRoot.sh** [**cd /u01/app/oraInventory**]

Cmd - `./root.sh [cd /u01/app/oracle/product/19.0.0.0]`

8. Finally, it shows Oracle configuration is successfully done then click on close.
9. Go to the path of `cd /u01/app/oracle/product/19.0.0.0/network/admin` in this we can observe a file called `listener.ora` edit the host and port.

Note-

```
LISTENER =  
  (DESCRIPTION_LIST =  
    (DESCRIPTION =  
      (ADDRESS = (PROTOCOL = TCP)(HOST = 10.0.0.76)(PORT = 1521))  
      (ADDRESS = (PROTOCOL = IPC)(KEY = EXTPROC1521))  
    )  
  )
```

10. Run cmd - `sqlplus / as sysdba`
11. Run cmd - `startup;` and exit from sql to start the listener.
12. Cmd - `lsnrctl start` and to check the status of it cmd - `lsnrctl status`