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Topic - Creating My Database Manually in Linux & Registering it to Listener & Instance

STEPS:-

- ① Create Pfile, password file for new database
- ② Create necessary directories.
- ③ Create instance and start the database in NOMOUNT mode.
- ④ Use Create database to create new database
- ⑤ Run necessary scripts file to create data dictionary tables.
- ⑥ Testing newly created database and registering to listener.

```
① $ cd /vol/app/oracle/product/11.2.0/dbhome_1/dbs/
$ vi init.ora - $ cp init.ora initnewdb.ora
```

```
: 1, $ s# <ORACLE-BASE># /vol/app/oracle#g
db_name = newdb
memory_target = 1G
audit_file_dest = '/vol/app/oracle/admin/newdb/adump'
control_files = ( /vol/app/oracle/oradata/newdb/control01.ctl,
                 /vol/app/oracle/oradata/newdb/control02.ctl
```

!wq

```
$ cat init.ora
```

```
② $(manedit of init.ora location)
```

```
③ $ vi /etc/oratab
```

```
newdb : /vol/app/... /dbhome/!N
```

\$ .oraenv

: newdb

\$ cd \$ORACLE\_HOME/dbs/

\$ orapwd file=orapwnewdb password=oracledba

\$ pwd

\$ ll

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③ \$ sqlplus /as sysdba

SQL> startup nomount pfile = '/u01/app/oracle/product/  
11.2.0/dbhome\_1/dbs/  
initnewdb.ora'

SQL> error: memorytarget no supported

Solu: SQL> !

\$ vi initnewdb.ora

memory\_target = 1g

change it to

sga\_target = 1g

\$ sqlplus /as sysdba

SQL> startup nomount pfile = '/u01/app/oracle/product/  
11.2.0/dbhome\_1/dbs/initnewdb  
ora'

SQL> Create spfile from pfile;

SQL> shutdown immediate

SQL> startup nomount

SQL>

vi newdb.sql

①

CREATE DATABASE newdb

MAXINSTANCES 8

MAXLOGHISTORY 1

MAXLOGFILES 16

MAXLOGMEMBERS 3

MAXDATAFILES 1024

CHARACTER SET UTF8ASCII

NATIONAL CHARACTER SET AL16UTF16

DATAFILE '/u01/app/oracle/oradata/newdb/system01.dbf'  
SIZE 10000M REUSE

SYSAUX DATAFILE '/u01/app/oracle/oradata/newdb/  
sysaux01.dbf' SIZE 1000M

DEFAULT TEMPORARY TABLESPACE TEMP TEMPFILE

'/u01/app/oracle/oradata/newdb/temp01.dbf'  
SIZE 10000M EXTENT MANAGEMENT LOCAL

ALL UNIFORM SIZE 1M

UNDO TABLESPACE 'UNDOTBS1' DATAFILE '/u01/app/oracle/  
oradata/newdb/undotbs01.dbf'  
SIZE 1000M

LOGFILE GROUP 2 ('/u01/app/oracle/oradata/newdb/redo log  
01.dbf') SIZE 50M;

GROUP 2 .. ..

redo log 02.dbf') SIZE 50M;

GROUP 3 .. ..

redo log 03.dbf') SIZE 50M;

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SOL) @ '/u01/app/oracle/product/11.2.0/dbhome1/dbs/newdb.sql  
(we can drag & drop file location in terminal to get location)

SOL) (5) @ /u01/app/oracle/product/11.2.0/dbhome\_2/schemas/admin/  
Catalog.sql

SOL) @ /u01/app/oracle/product/11.2.0/dbhome\_2/schemas/admin/  
Catalog.sql

SOL) @ /u01 . . . -  
Catalog.sql  
(schemas/admin/public.sql

SOL) !

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\$ sqlplus / as sysdba

SOL) Select status from v\$instance;

SOL) Select open-mode from v\$database;

SOL) Select count(\*) from dba\_tables;

SOL) Select \* from tab;

SOL) Exit

\$ . oraenv

<: newdb >

\$ netmgr

LISTENER

Database Services

Global database: Database 2

↓ newdb  
SID: newdb

↓  
file Save network configuration

↓  
EXIT

# \$ Service of cloud

SQL)

→ Now we will test the newdb connection using SQL Developer  
by creating a new user.

SQL) Create user test identified by test default  
tablespace users quota 10m on users;  
error?

SQL) Create tablespace users datafile  
'/u01/app/oracle/oradata/newdb/USERS02.dbf'  
Size 200m; 20

SQL) Grant Create Session, Create table to test;

Now,  
Open SQL Developer:-

[+] Connection name [test]  
Username [test]  
Password [test]

Hostname : 192.168.1.100

Port: 1521

SID: newdb

[test] ✓

[Connect]

Create table tabl (id number);