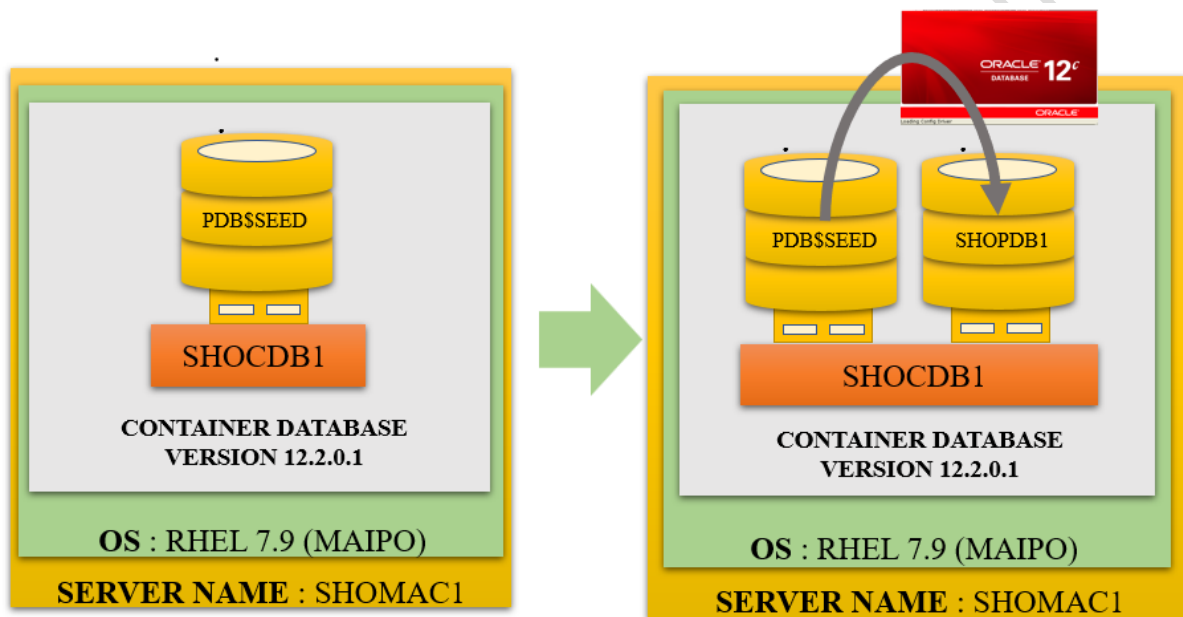


CREATE & DROP ORACLE 12c PLUGGABLE DATABASE WITH DBCA

Create a pluggable database PDB (SHOPDB1) from seed pluggable database PDB (PDB\$SEED) in the container database (SHOCDB1)



Let's understand the current environment

We can see that we have 1 container database i.e., SHOCDB1 running over the server i.e., SHOMAC1

```
[oracle@SHOMAC1 ~]$
[oracle@SHOMAC1 ~]$ ps -ef|grep -i pmon |grep -v grep
oracle    26166      1  0 Aug31 ?                00:00:11 ora_pmon_shocdb1
[oracle@SHOMAC1 ~]$
[oracle@SHOMAC1 ~]$
```

When we login into the container database i.e., SHOCDB1

We can see that it has only one PDB

The pluggable database: PDB\$SEED

```

[oracle@SHOMAC1 ~]$
[oracle@SHOMAC1 ~]$ . oraenv
ORACLE_SID = [shocdb1] ? shocdb1
The Oracle base remains unchanged with value /u01/app/oracle
[oracle@SHOMAC1 ~]$
[oracle@SHOMAC1 ~]$ sqlplus "/" as sysdba

SQL*Plus: Release 12.2.0.1.0 Production on Fri Sep 2 16:34:10 2022

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Oracle Database 12c Enterprise Edition Release 12.2.0.1.0 - 64bit Production

SYS@shocdb1 02-SEP-22>show pdbs

      CON_ID CON_NAME                                OPEN MODE  RESTRICTED
-----
          2 PDB$SEED                                READ ONLY  NO
SYS@shocdb1 02-SEP-22>

```

The location of the all datafiles

When we login into the container database i.e., SHOCDB1. The location of the datafiles for the PDBs are shown as below:

The container database: SHOCDB1 → /u01/app/oracle/oradata/SHOCDB1/datafile/

The Pluggable database: PDB\$SEED → /u01/app/oracle/oradata/SHOCDB1/datafile/

Note: here we can see that the datafile's naming convention is using OMF (oracle managed format)

```

SYS@shocdb1 02-SEP-22>col name for a80
SYS@shocdb1 02-SEP-22>select name from v$datafile;

NAME
-----
/u01/app/oracle/oradata/SHOCDB1/datafile/ol_mf_system_kjzyld81_.dbf
/u01/app/oracle/oradata/SHOCDB1/datafile/ol_mf_sysaux_kjzy2j5z_.dbf
/u01/app/oracle/oradata/SHOCDB1/datafile/ol_mf_undotbs1_kjzy3999_.dbf
/u01/app/oracle/oradata/SHOCDB1/datafile/ol_mf_system_kjzy5sh2_.dbf
/u01/app/oracle/oradata/SHOCDB1/datafile/ol_mf_sysaux_kjzy5scj_.dbf
/u01/app/oracle/oradata/SHOCDB1/datafile/ol_mf_users_kjzy3bdx_.dbf
/u01/app/oracle/oradata/SHOCDB1/datafile/ol_mf_undotbs1_kjzy5sh8_.dbf

7 rows selected.

```

```
SYS@shocdb1 02-SEP-22>select name from v$tempfile;

NAME
-----
/u01/app/oracle/oradata/SHOCDB1/datafile/ol_mf_temp_kjzy5koj_.tmp
/u01/app/oracle/oradata/SHOCDB1/datafile/temp012022-08-31_20-12-20-238-PM.dbf
```

The datafile location specific to the PDB\$SEED database

```
SYS@shocdb1 02-SEP-22>alter session set container=PDB$SEED;

Session altered.

SYS@shocdb1 02-SEP-22>col name for a80
SYS@shocdb1 02-SEP-22>select name from v$datafile;

NAME
-----
/u01/app/oracle/oradata/SHOCDB1/datafile/ol_mf_system_kjzy5sh2_.dbf
/u01/app/oracle/oradata/SHOCDB1/datafile/ol_mf_sysaux_kjzy5scj_.dbf
/u01/app/oracle/oradata/SHOCDB1/datafile/ol_mf_undotbs1_kjzy5sh8_.dbf

SYS@shocdb1 02-SEP-22>
```

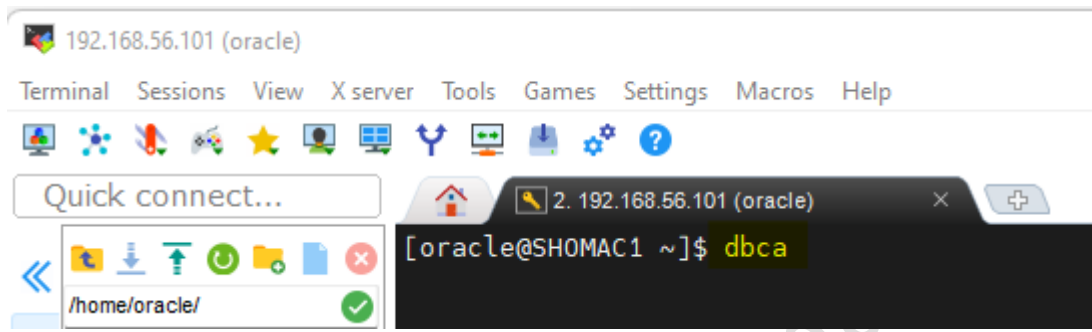
The tempfile location specific to the PDB\$SEED database

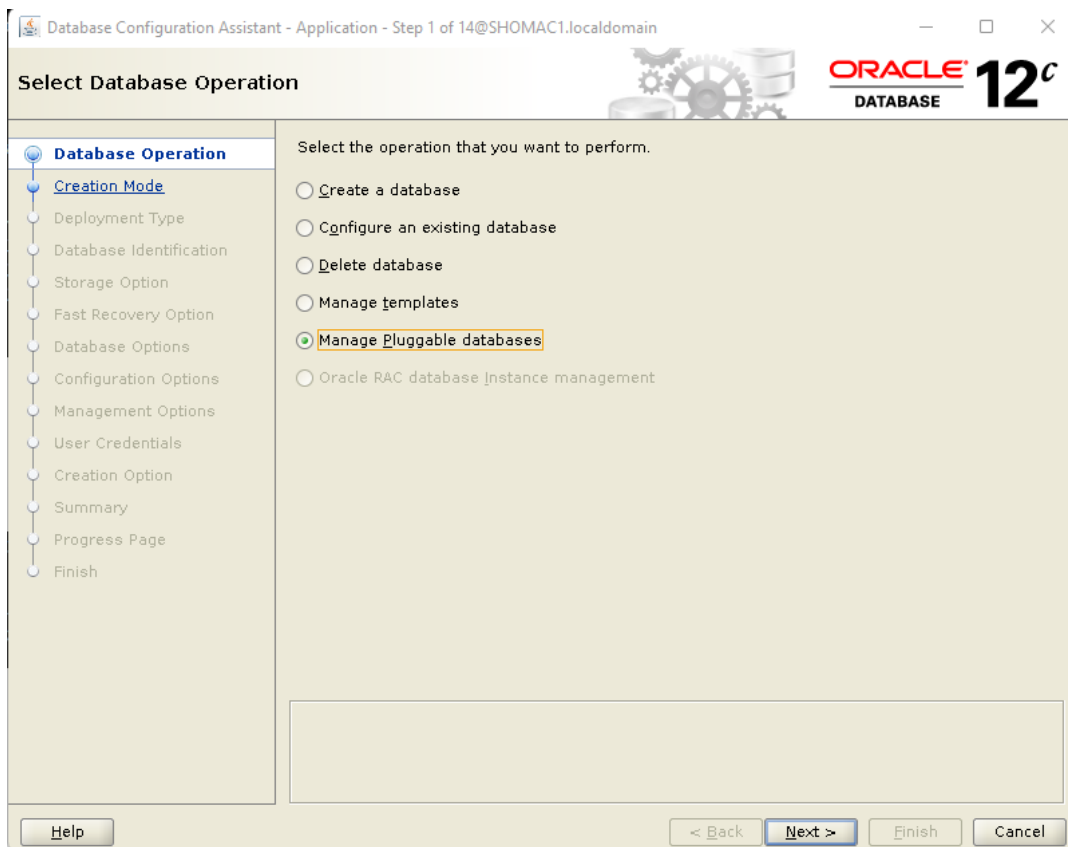
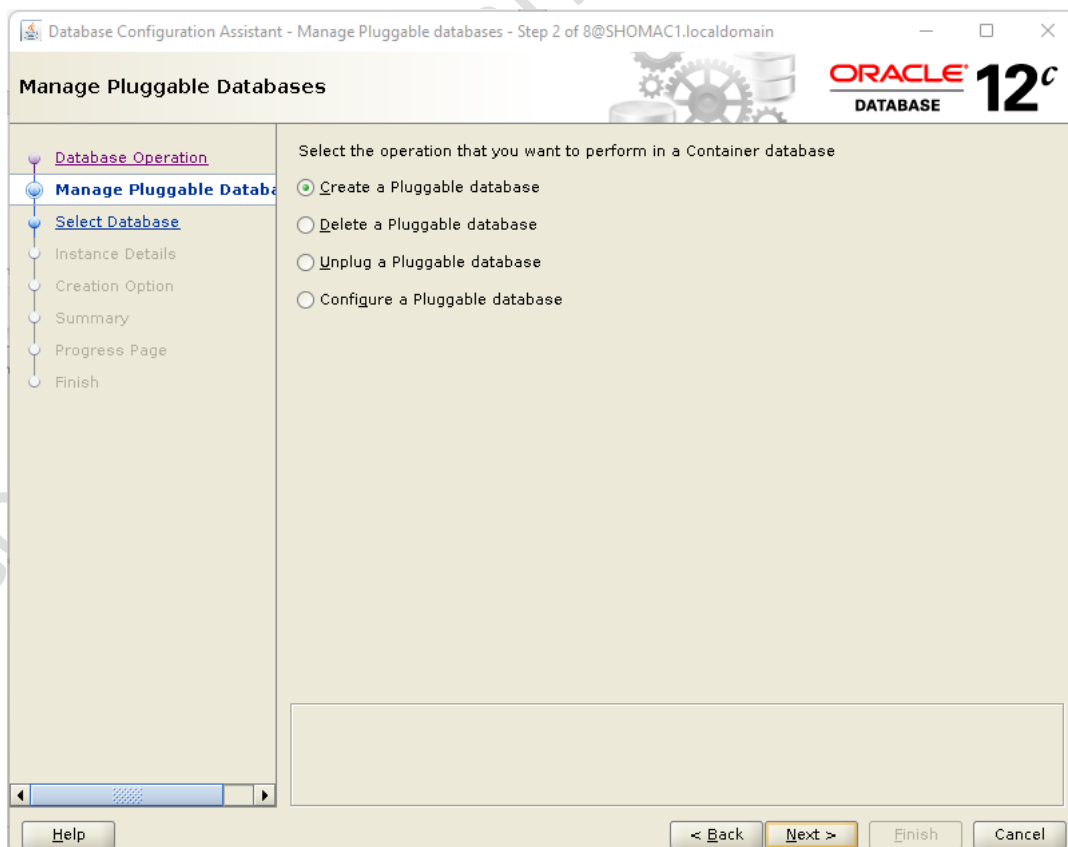
```
SYS@shocdb1 02-SEP-22>select name from v$tempfile;

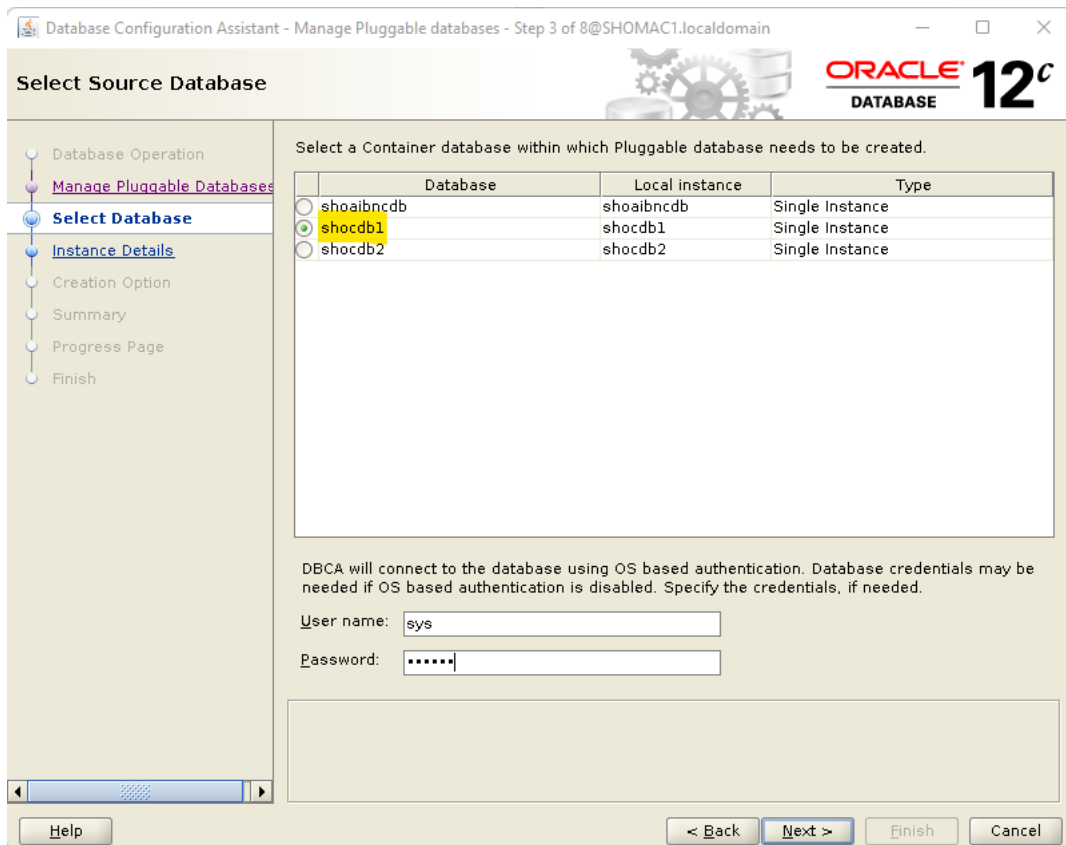
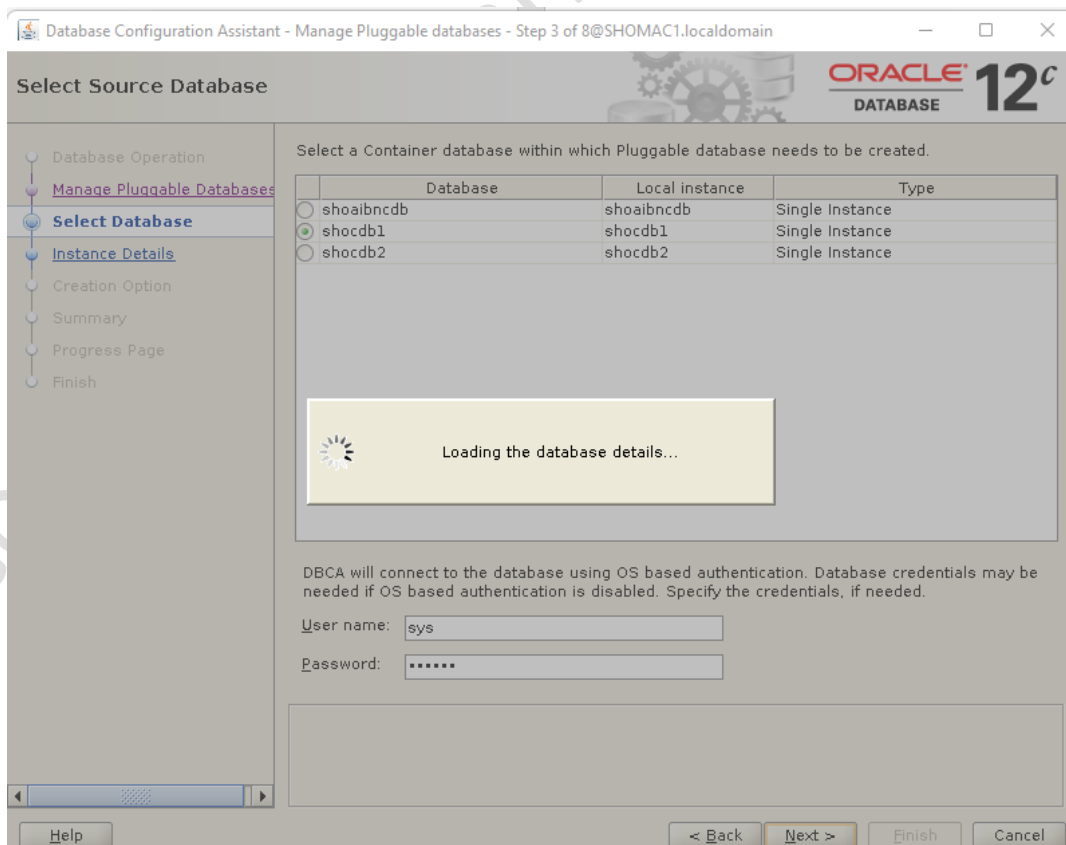
NAME
-----
/u01/app/oracle/oradata/SHOCDB1/datafile/temp012022-08-31_20-12-20-238-PM.dbf
```

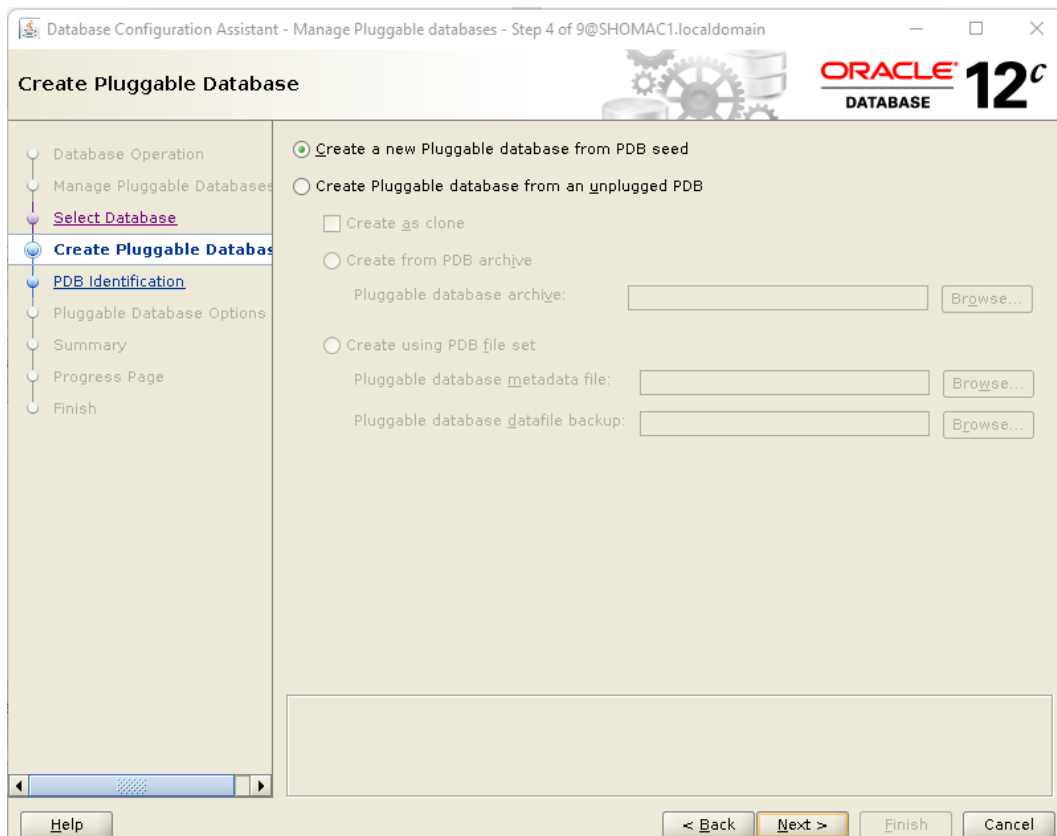
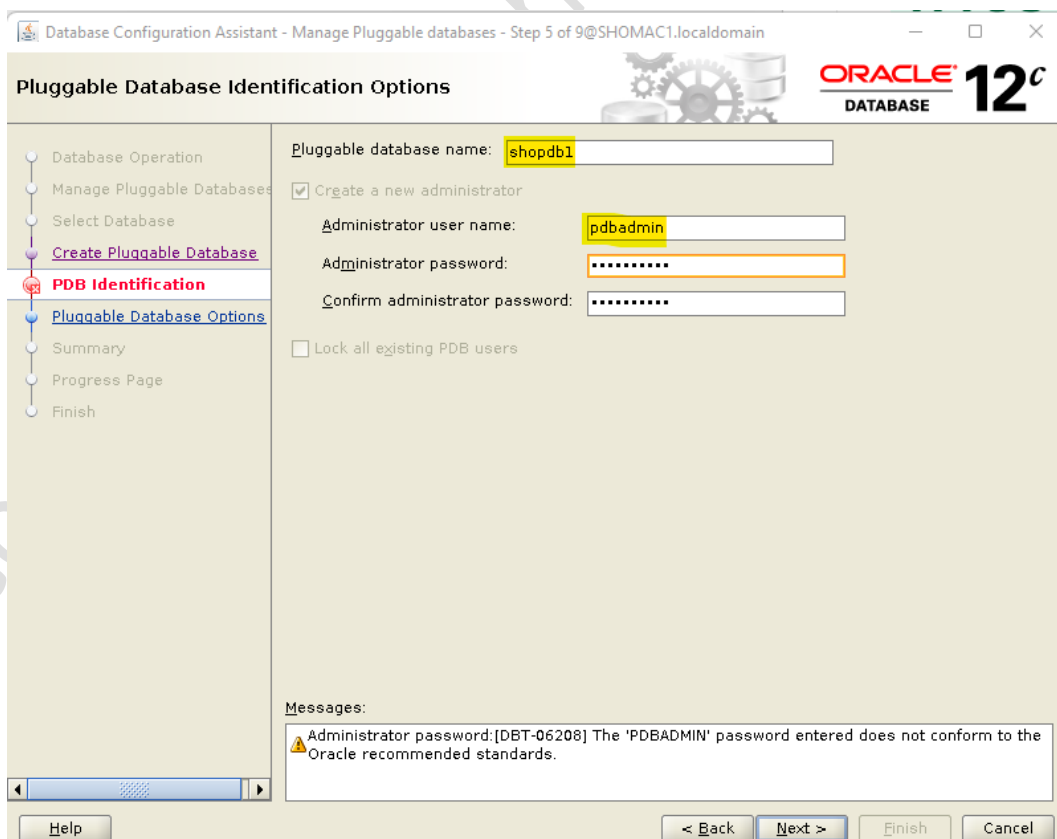
Create pluggable database PDB (SHOPDB1) from seed pluggable database PDB (PDB\$SEED) using DBCA oracle graphical utility.

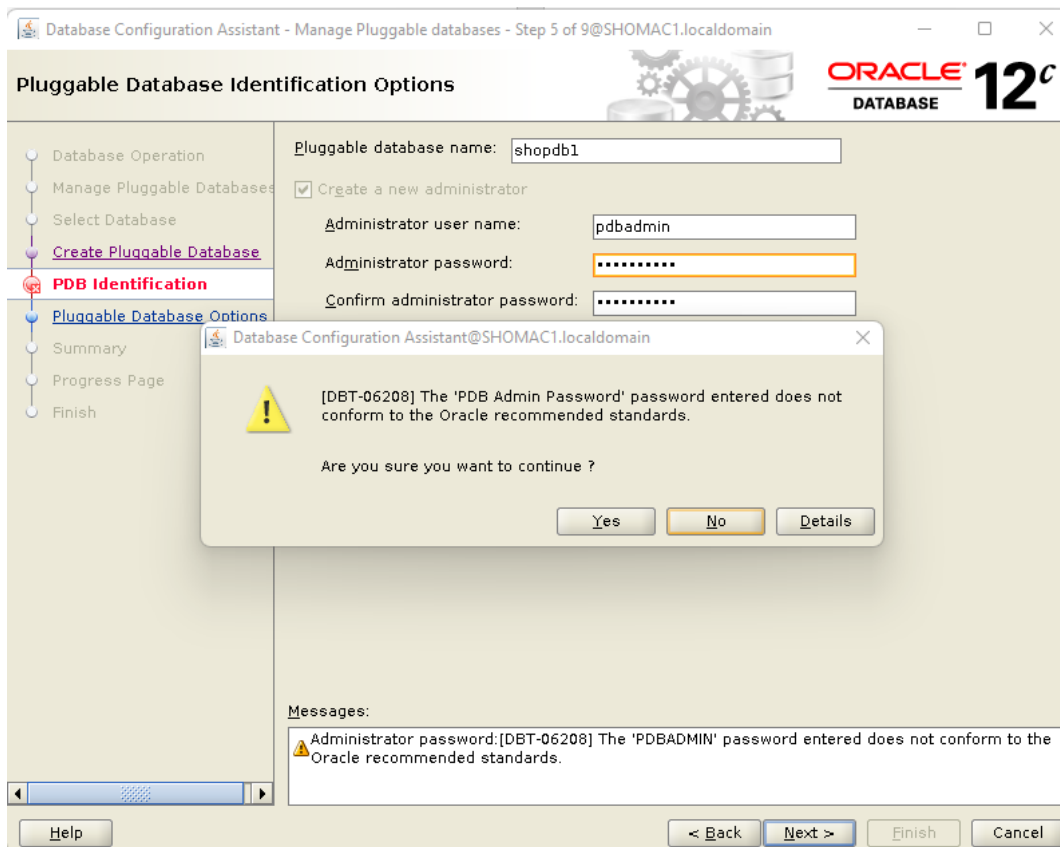
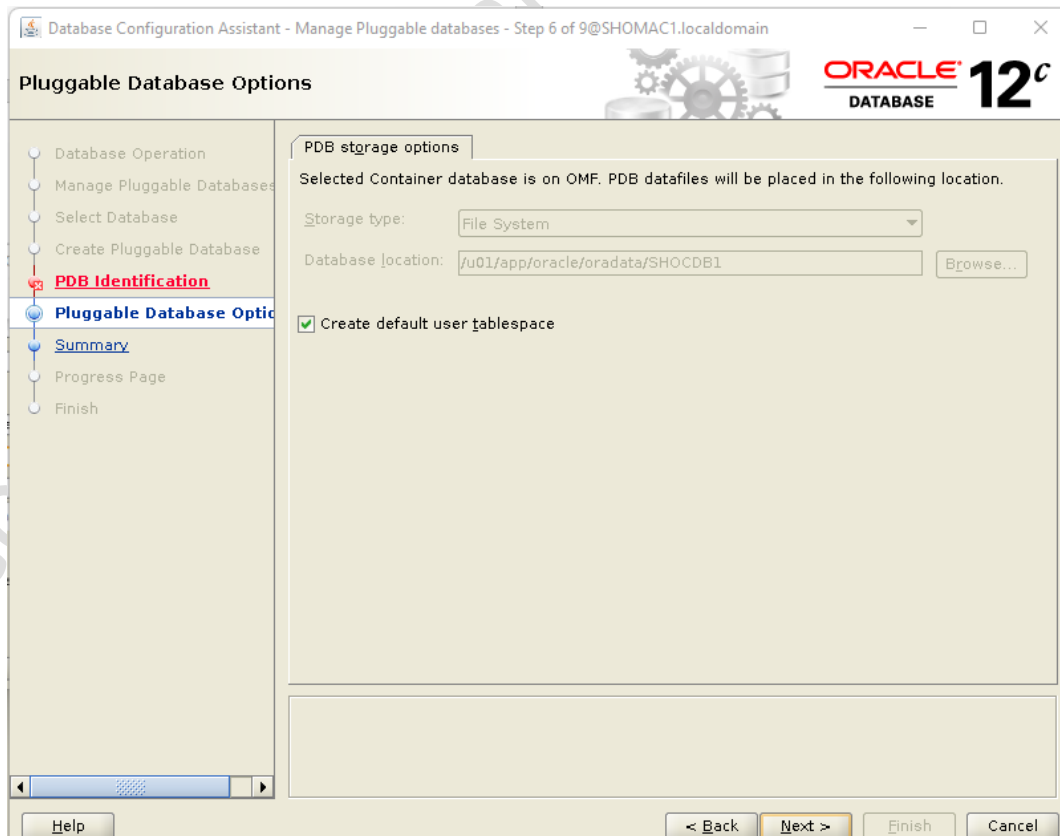
Start graphical utility DBCA



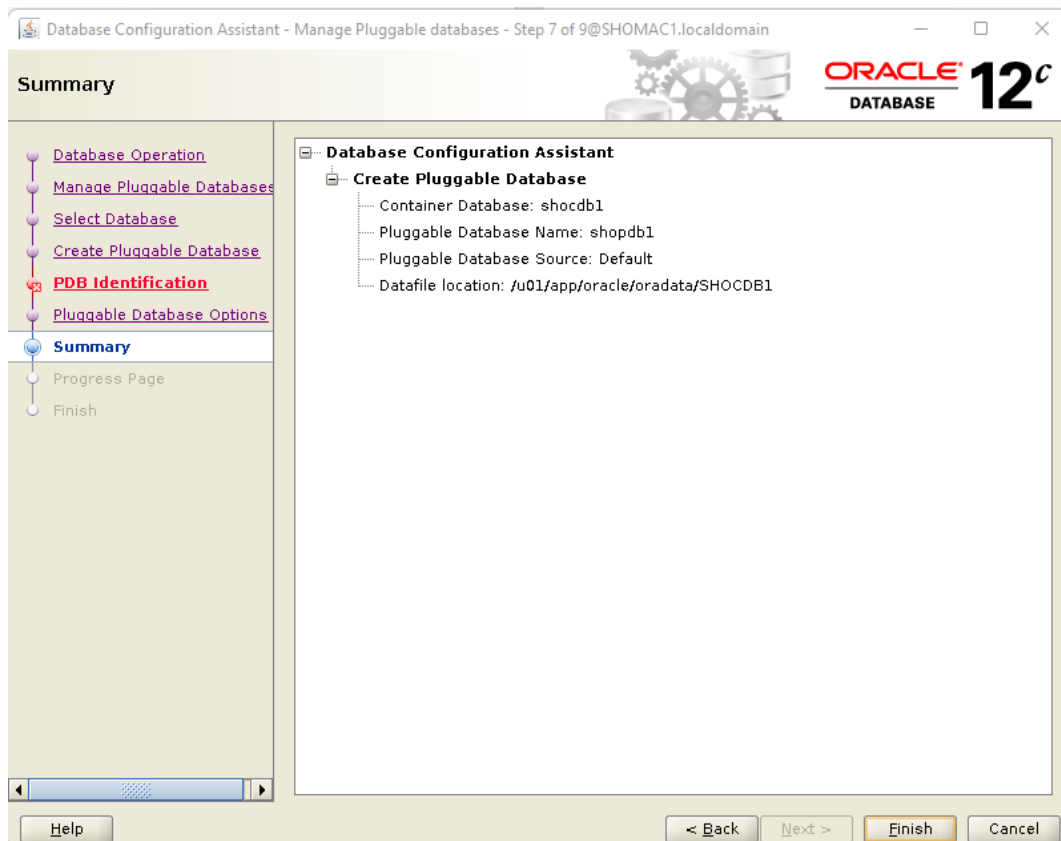
Choose Manage pluggable database**Choose create a pluggable database**

Choose a CDB to create a PDB**Loading database details**

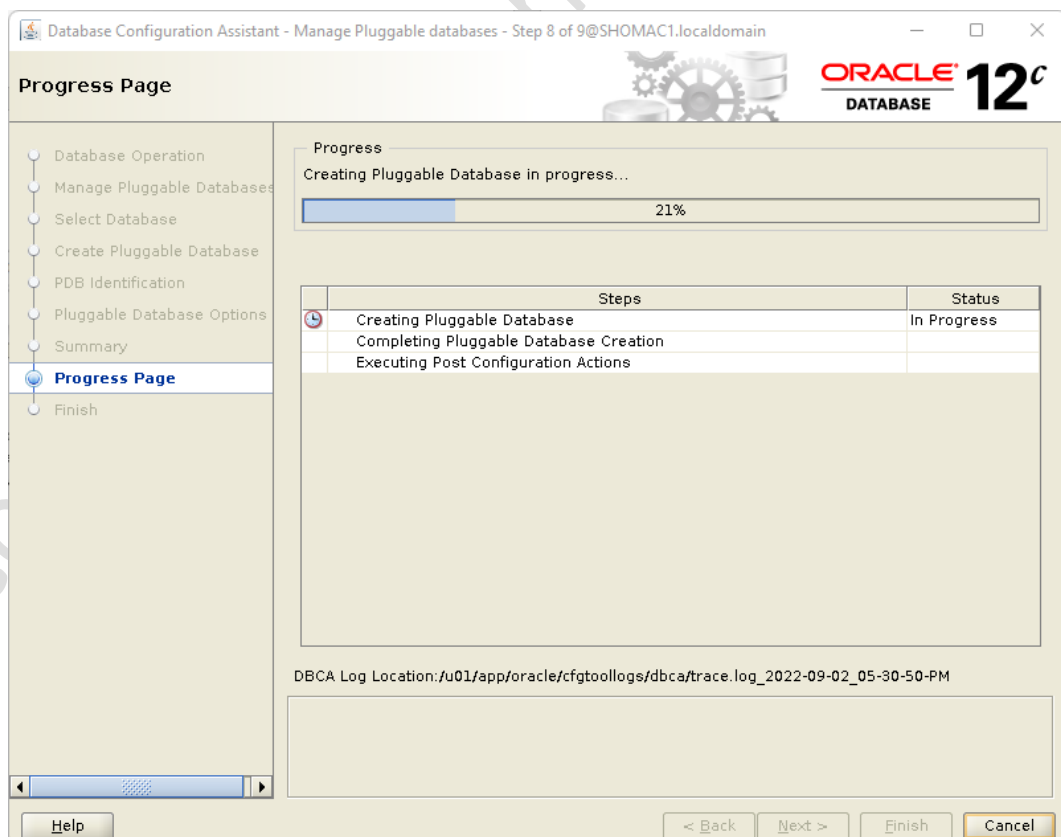
Choose a PDB from SEED**Give PDB Name**

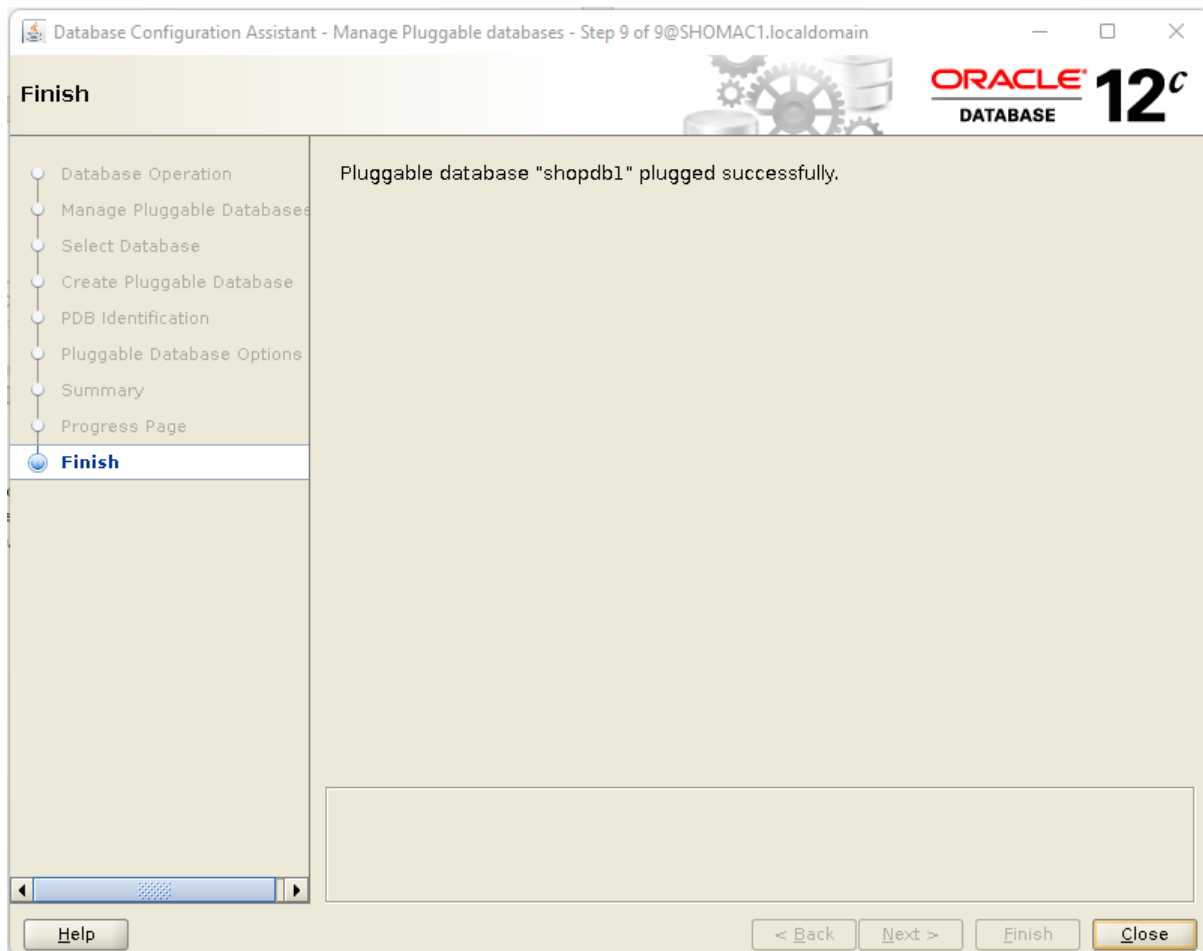
PDB ADMIN Password**PDB Storage option**

Summary Page



Progress Page



PDB creation complete

```
[oracle@SHOMAC1 ~]$ . oraenv
ORACLE_SID = [shocdb1] ? shocdb1
The Oracle base remains unchanged with value /u01/app/oracle
[oracle@SHOMAC1 ~]$
[oracle@SHOMAC1 ~]$ sqlplus "/ as sysdba"

SQL*Plus: Release 12.2.0.1.0 Production on Fri Sep 2 17:11:40 2022

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Connected to:
Oracle Database 12c Enterprise Edition Release 12.2.0.1.0 - 64bit Production
SYS@shocdb1 02-SEP-22>show pdbs

  CON_ID CON_NAME              OPEN MODE  RESTRICTED
  -----
  2 PDB$SEED                  READ ONLY  NO
  6 SHOPDB1                   READ WRITE NO
SYS@shocdb1 02-SEP-22>
```

The location of all the Datafiles

The container database: SHOCDB1 → /u01/app/oracle/oradata/SHOCDB1/datafile/

The Pluggable database: PDB\$SEED → /u01/app/oracle/oradata/SHOCDB1/datafile/

The Pluggable database: SHOPDB1 →
/u01/app/oracle/oradata/SHOCDB1/E7B98A71BD8A571DE0536538A8C071BB/datafile/

Note: here we can see that the SHOPDB1 datafile's naming convention is using OMF (oracle managed files) and even the GUIDs is there for the pdb)

```
SYS@shocdb1 02-SEP-22>set lines 200
SYS@shocdb1 02-SEP-22>col name for all0
SYS@shocdb1 02-SEP-22>set pages 20
SYS@shocdb1 02-SEP-22>select name from v$datafile;

NAME
-----
/u01/app/oracle/oradata/SHOCDB1/datafile/ol_mf_system_kjzyld81_.dbf
/u01/app/oracle/oradata/SHOCDB1/datafile/ol_mf_sysaux_kjzy2j5z_.dbf
/u01/app/oracle/oradata/SHOCDB1/datafile/ol_mf_undotbs1_kjzy3999_.dbf
/u01/app/oracle/oradata/SHOCDB1/datafile/ol_mf_system_kjzy5sh2_.dbf
/u01/app/oracle/oradata/SHOCDB1/datafile/ol_mf_sysaux_kjzy5scj_.dbf
/u01/app/oracle/oradata/SHOCDB1/datafile/ol_mf_users_kjzy3bdx_.dbf
/u01/app/oracle/oradata/SHOCDB1/datafile/ol_mf_undotbs1_kjzy5sh8_.dbf
/u01/app/oracle/oradata/SHOCDB1/E7B98A71BD8A571DE0536538A8C071BB/datafile/ol_mf_system_kk4xxb94_.dbf
/u01/app/oracle/oradata/SHOCDB1/E7B98A71BD8A571DE0536538A8C071BB/datafile/ol_mf_sysaux_kk4xxb95_.dbf
/u01/app/oracle/oradata/SHOCDB1/E7B98A71BD8A571DE0536538A8C071BB/datafile/ol_mf_undotbs1_kk4xxb95_.dbf
/u01/app/oracle/oradata/SHOCDB1/E7B98A71BD8A571DE0536538A8C071BB/datafile/ol_mf_users_kk4xxgpp_.dbf

11 rows selected.

SYS@shocdb1 02-SEP-22>
```

The location of all the Tempfiles

```
SYS@shocdb1 02-SEP-22>select name from v$tempfile;

NAME
-----
/u01/app/oracle/oradata/SHOCDB1/datafile/ol_mf_temp_kjzy5koj_.tmp
/u01/app/oracle/oradata/SHOCDB1/datafile/temp012022-08-31_20-12-20-238-PM.dbf
/u01/app/oracle/oradata/SHOCDB1/E7B98A71BD8A571DE0536538A8C071BB/datafile/ol_mf_temp_kk4xxb95_.dbf

SYS@shocdb1 02-SEP-22>
```

The datafile location specific to the SHOPDB1 database

```
SYS@shocdb1 02-SEP-22>alter session set container=SHOPDB1;
Session altered.

SYS@shocdb1 02-SEP-22>select name from v$datafile;

NAME
-----
/u01/app/oracle/oradata/SHOCDB1/E7B98A71BD8A571DE0536538A8C071BB/datafile/ol_mf_system_kk4xxb94_.dbf
/u01/app/oracle/oradata/SHOCDB1/E7B98A71BD8A571DE0536538A8C071BB/datafile/ol_mf_sysaux_kk4xxb95_.dbf
/u01/app/oracle/oradata/SHOCDB1/E7B98A71BD8A571DE0536538A8C071BB/datafile/ol_mf_undotbs1_kk4xxb95_.dbf
/u01/app/oracle/oradata/SHOCDB1/E7B98A71BD8A571DE0536538A8C071BB/datafile/ol_mf_users_kk4xxgpp_.dbf
```

The tempfile location specific to the SHOPDB1 database

```
SYS@shocdb1 02-SEP-22>select name from v$tempfile;

NAME
-----
/u01/app/oracle/oradata/SHOCDB1/E7B98A71BD8A571DE0536538A8C071BB/datafile/ol_mf_temp_kk4xxb95_.dbf

SYS@shocdb1 02-SEP-22>
```

So now Finally when we login into the container database i.e., SHOCDB1

We can see that it has below PDBS

The pluggable database: PDB\$SEED, SHOPDB1

```
[oracle@SHOMAC1 ~]$ . oraenv
ORACLE_SID = [shocdb1] ? shocdb1
The Oracle base remains unchanged with value /u01/app/oracle
[oracle@SHOMAC1 ~]$
[oracle@SHOMAC1 ~]$ sqlplus "/" as sysdba"

SQL*Plus: Release 12.2.0.1.0 Production on Fri Sep 2 17:11:40 2022

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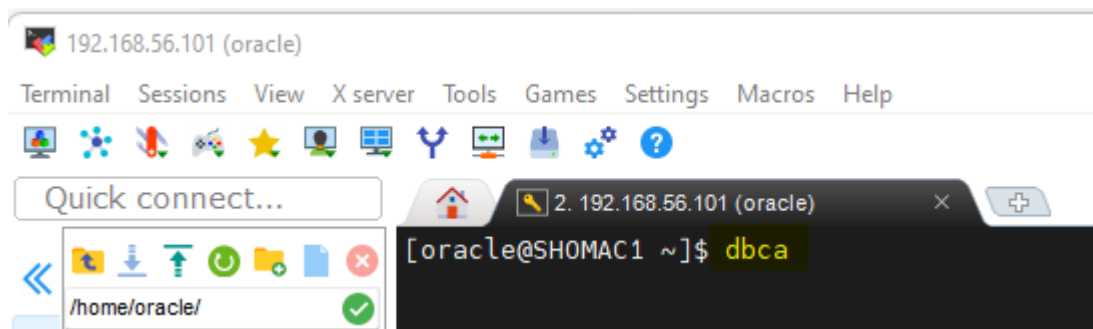
SYS@shocdb1 02-SEP-22>show pdbs

  CON_ID CON_NAME              OPEN MODE  RESTRICTED
  -----
        2 PDB$SEED                READ ONLY  NO
        6 SHOPDB1              READ WRITE NO

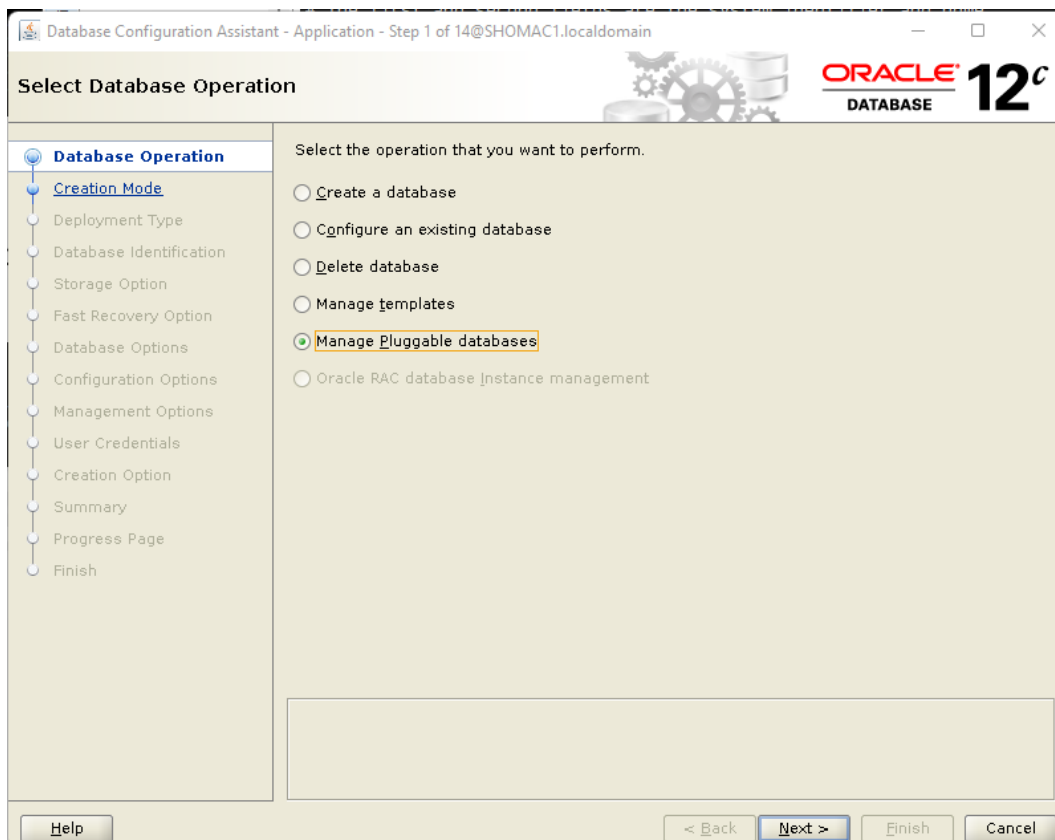
SYS@shocdb1 02-SEP-22>
```

Drop a pluggable database PDB

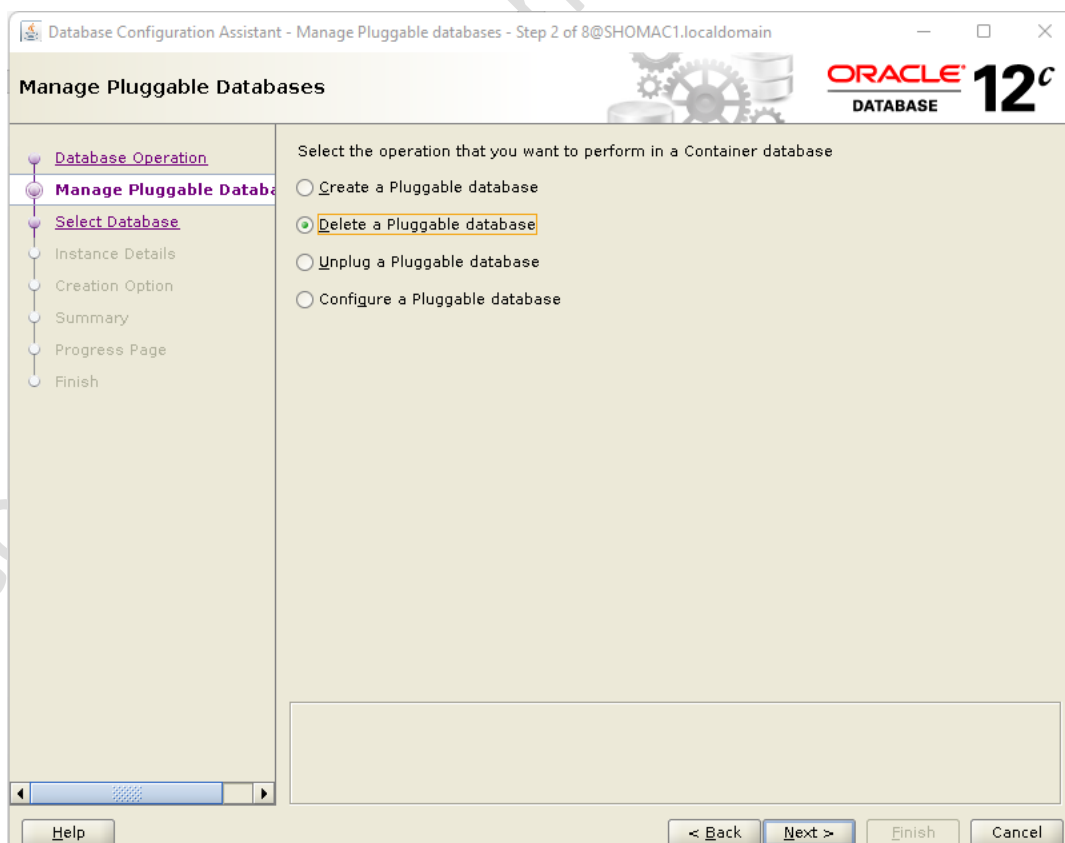
Start graphical utility DBCA

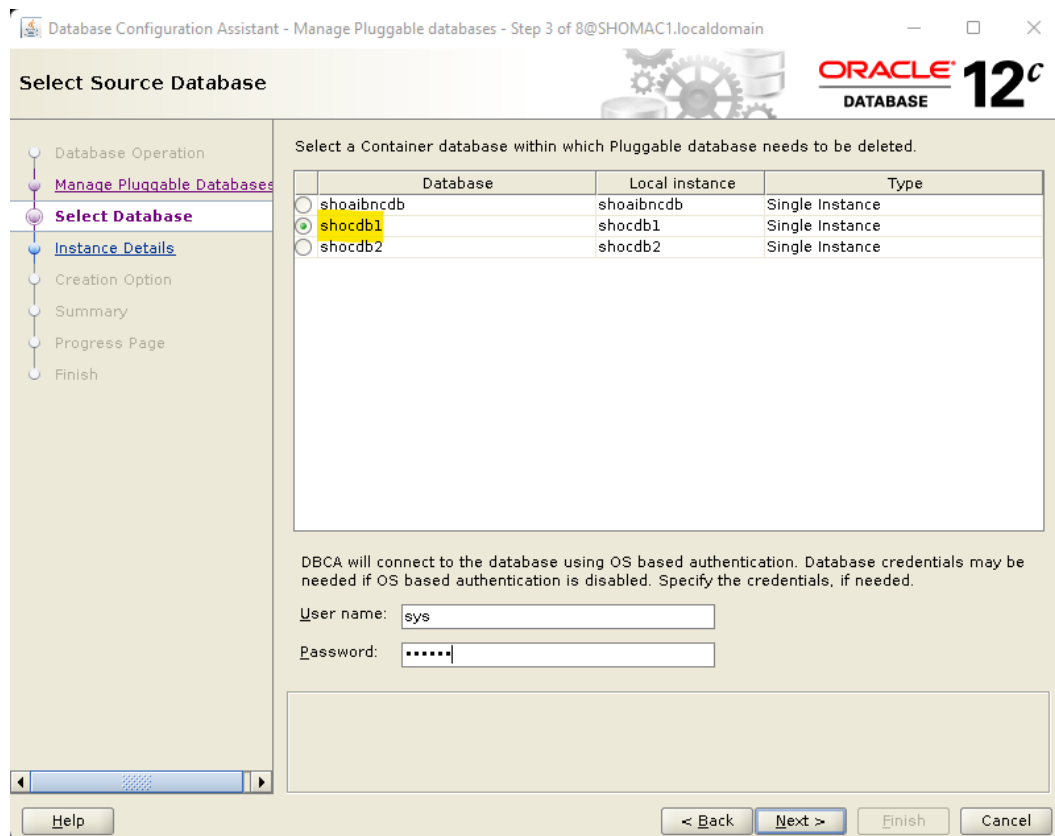
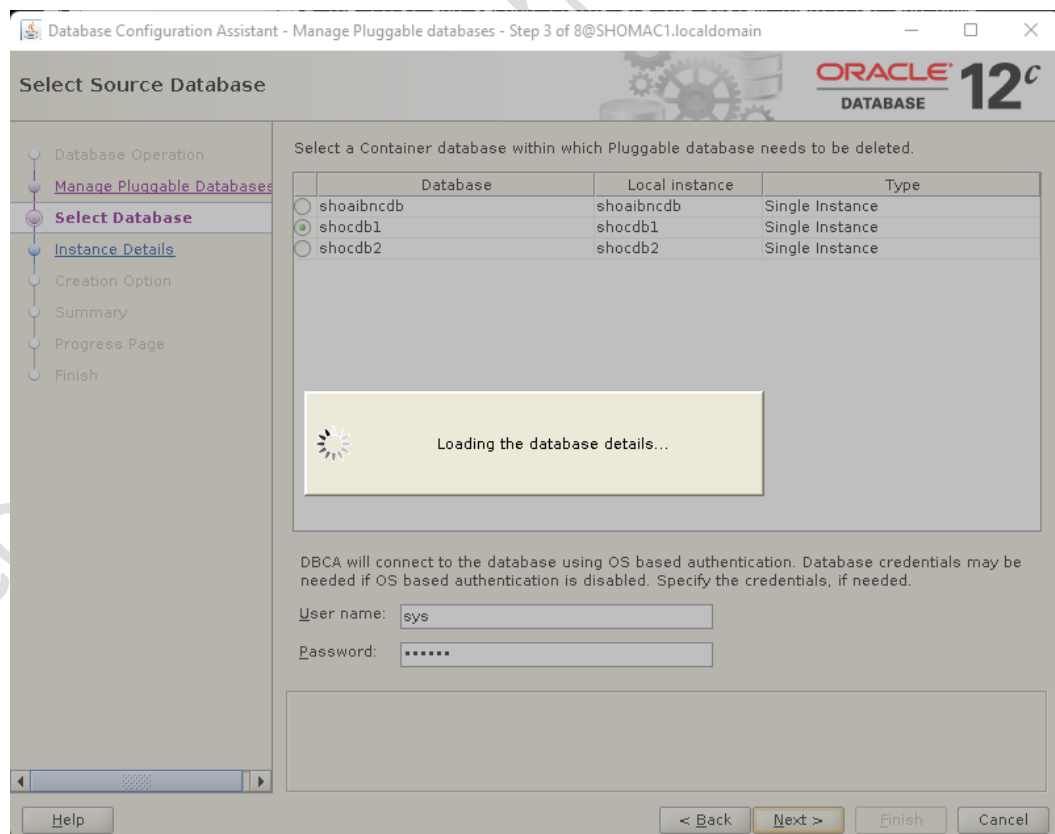


Choose manage pluggable databases

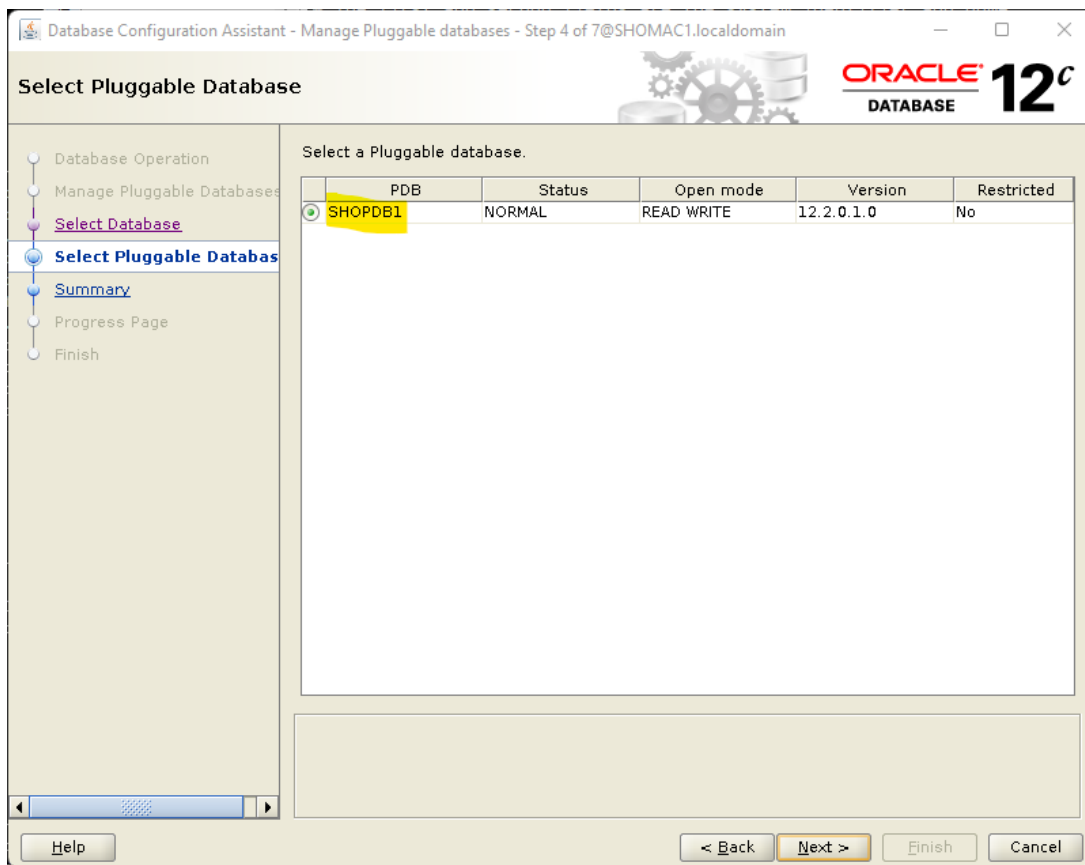


Choose Delete a pluggable database

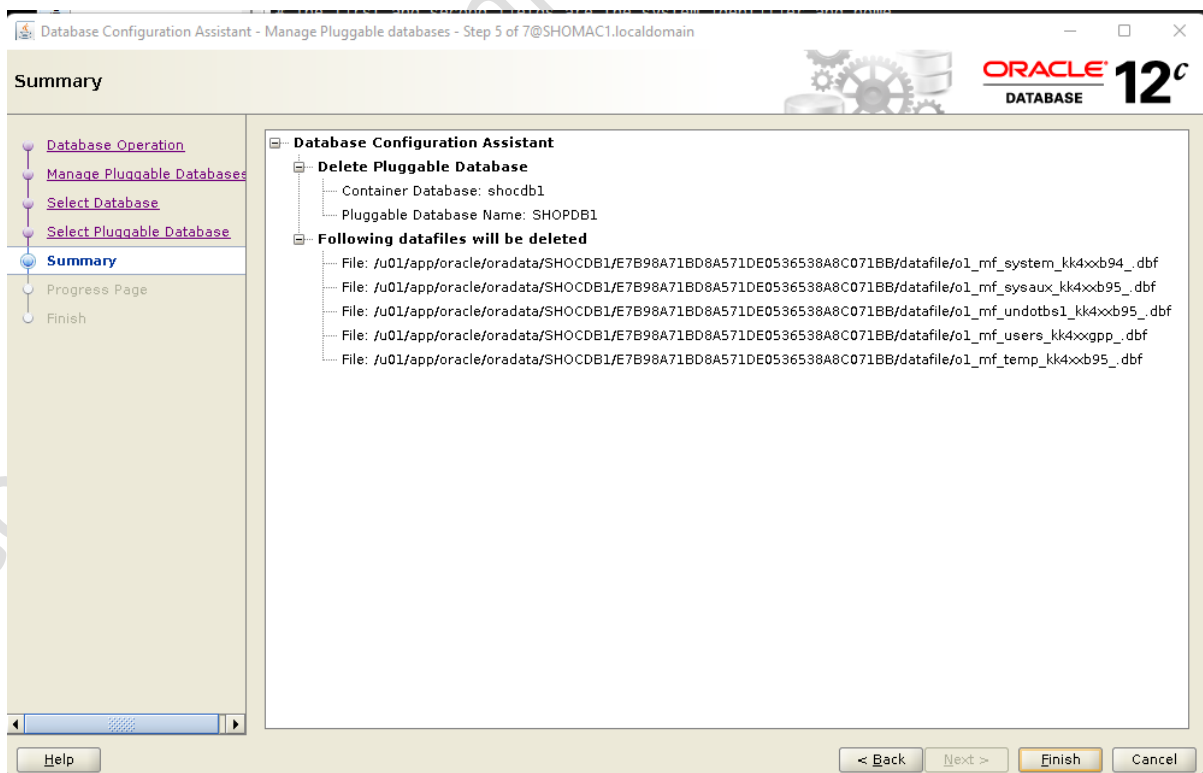


Choose the CDB from which PDB is being deleted**Loading database details**

Select the PDB



Summary Page



The PDB is deleted.