

Step-by-Step Lab: Monitoring the CDB fenagoCDB from the Command Line and Launching DBCA GUI

Prerequisites

- Ensure that the Oracle Database software is installed.
- The CDB named fenagoCDB should be created and running.
- Set the ORACLE_HOME and ORACLE_SID environment variables appropriately.

Steps

1. Set Environment Variables

```
export ORACLE_HOME=/u01/app/oracle/product/19.3.0/dbhome_1
export ORACLE_SID=fenagoCDB
```

2. Connect to SQL*Plus as SYSDBA

```
sqlplus / as sysdba
```

3. Monitor the CDB

Check the status of the CDB

```
SELECT name, open_mode, cdb FROM V$DATABASE;
```

View the instance name and status

```
SELECT instance_name, status FROM V$INSTANCE;
```

List all PDBs and their statuses

```
SELECT pdb_name, open_mode FROM CDB_PDBS;
```

View the current container

```
SELECT name, con_id, open_mode FROM V$CONTAINERS;
```

Check the sessions connected to the CDB

```
SELECT sid, serial#, username, status, program FROM V$SESSION;
```

Check the tablespace usage

```
SELECT tablespace_name, used_space, tablespace_size, USED_PERCENT
FROM dba_tablespace_usage_metrics;
```

Monitor the undo tablespace usage

```
SELECT tablespace_name, used_blocks, free_blocks  
FROM v$undostat;
```

View alert log messages

```
tail -f $ORACLE_HOME/diag/rdbms/fenagoCDB/alert_fenagoCDB.log
```

4. Launch the DBCA GUI in a New Terminal

1. Right-click on the desktop and select "Open Terminal Here".
2. In the new terminal, run the following commands:

```
xhost +  
su - oracle  
dbca
```

5. Using DBCA GUI

- Follow the on-screen instructions in the DBCA (Database Configuration Assistant) to manage the CDB.

Conclusion

You have successfully monitored the CDB fenagoCDB from the command line and launched the DBCA GUI for further database management.