# Practices for Lesson 14: Managing PDBs

Practices for Lesson 14: Overview

Practices Overview

In these practices, you will learn how to rename a PDB. You will also investigate the impact of initialization parameter changes.

Practice 14-1: Renaming a PDB

Overview

In this practice, you will change the open mode of PDBs for specific operations.

Assumptions

It is assumed that the database and listener are running. You can use the pgrep -lf smon command to verify that the database is started and the pgrep -lf tns command to verify that the listener is started. If you need to restart the database and listener, use the dbstart.sh script.

Tasks

Rename the pluggable database name for ORCLPDB3 to PDB3\_ORCL in ORCLCDB. For this purpose, you must open the PDB in RESTRICTED mode.

Execute the $HOME/labs/DBMod\_PDBs/setup\_pdb3.sh shell script to re-create ORCLPDB3 in ORCLCDB. See *Course Practice Environment: Security Credentials* for passwords.

Connect to orclcdb root container and list the PDBs.

**Note:** The con\_id values may vary from the output shown below.

Change the global database name for ORCLPDB3 to PDB3\_ORCL. See *Course Practice Environment: Security Credentials* for the password to use.

Close ORCLPDB3.

Open ORCLPDB3 in restricted mode and confirm the status.

Change the global database name for ORCLPDB3 to PDB3\_ORCL.

Open PDB3\_ORCL.

Verify that PDB3\_ORCL is in READ WRITE mode, and then exit sqlplus.

Add the PDB3\_ORCL service name to the tnsnames.ora file with the script

$HOME/labs/DBMod\_PDBs/add\_pdb3\_tns.sh.

Test the connection to PDB3\_ORCL and exit when complete.

Practice 14-2: Setting Parameter Values for PDBs

Overview

In this practice, you will investigate the impact of initialization parameter changes on PDBs.

Tasks

Not all initialization parameters are modifiable at the PDB level. A modifiable one, OPTIMIZER\_USE\_SQL\_PLAN\_BASELINES, has been chosen for the example so as to show how initialization parameters behave at the PDB and CDB level. Connect to orclcdb.

Check the current value of OPTIMIZER\_USE\_SQL\_PLAN\_BASELINES.

Connect to PDB3\_ORCL in ORCLCDB and check the current value of

OPTIMIZER\_USE\_SQL\_PLAN\_BASELINES.

Change the parameter value to FALSE in PDB3\_ORCL.

Create another PDB and check the parameter value in this new PDB in the same CDB.

Create PDB named test, and open it. See *Course Practice Environment: Security Credentials* for password to use.

Add a service name, test, to the tnsnames file with the script

$HOME/labs/DBMod\_PDBs/add\_test\_tns.sh.

Connect to the test PDB as SYSBDA.

Close and open PDB3\_ORCL.

Check the parameter value after CDB shutdown/startup in both the CDB root and PDBs.

Shut down and restart the database instance.

Open the PDBs.

**Note:** The value of con\_id may vary from the values shown below.

Drop PDBs, test and PDB3\_ORCL.

Confirm PDBs were dropped with a show pdbs command then exit SQL\*Plus.

Exit all terminals.