# Practices for Lesson 3: Creating an Oracle Database by Using DBCA

Practices for Lesson 3: Overview

Practices Overview

In this practice, you will use Database Configuration Assistant (DBCA) to create a new CDB.

Practice 3-1: Creating a New CDB

Overview

In this practice, you will create a new CDB named CDBTEST by using DBCA in silent mode. This CDB will have the following characteristics:

The users SYS and SYSTEM will have the same password as the one used for the same users in orclcdb. See the *Course Practice Environment: Security Credentials* for the password.

Oracle Managed Files (OMF) is used for data and redo log files. Set the location of these files to the /u01/app/oracle/oradata/CDBTEST directory.

The CDB root will contain:

A default temporary tablespace named TEMP

A default permanent tablespace named USERS

An undo tablespace named UNDOTBS

The port used for EM Express is 5502.

The CDB is created with no PDBs, except the PDB seed.

Tasks

As the oracle OS user, start the existing database instance and listener with dbstart.sh.

Check the status of the database instance.

If nothing is returned, start orclcdb database instance and listener. The listener is required for later tasks.

Verify that CDBTEST is not already recorded in /etc/oratab. If this is the case, remove the entry.

Execute the $HOME/labs/DBMod\_CreateDB/glogin.sh shell script to set formatting the output.

Create the CDB by using DBCA in silent mode.

Change directory to /home/oracle/labs/DBMod\_CreateDB

Use the script, /home/oracle/labs/DBMod\_CreateDB/CrCDBTEST.sh, as a template; edit it with gedit or your favorite editor. As you edit, change ***password*** to the password shown in the *Course Practice Environment: Security Credentials*. Save the script. Use the editor you are most comfortable, vi or gedit . The following example with use the notepad like editor gedit

While Linux uses a “-“ as a continuation character, that is not the case in the **CrCDBTEST.sh** script. The dashes are part of the dbca command flags and are not continuation characters. They are part of the command and should be ajoined with the word on the next line, e.g. -templateName or -useLocalUndoForPDBs

Verify the edits

Change the permissions on the script to make it executable.

Execute the script. The script may take approximately 10-15 minutes to complete.

Verify that there is a new entry in /etc/oratab.

Verify that the characteristics of the database are correct.

Verify that the database is a CDB.

Verify that the data files are in the correct directory.

Verify that the tablespaces are created.

Verify that the port for EM Express is set correctly.

Exit SQL\*Plus.