

Lab 6.3: Creating a Common User and Verifying Across CDB and PDBs

Objective:

To create a common user named `DRLEE` in the CDB (CDBLAB) and verify its existence in both the root container and the PDBs (PDBLAB1 and PDBLAB2).

Steps:

1. Connect to SQL*Plus as SYSDBA:

Yes - everytime you go into the shell you must su to user oracle and then set your environment variables:

```
xhost +  
su - oracle
```

Then:

```
export ORACLE_BASE=/u01/app/oracle  
export ORACLE_HOME=/u01/app/oracle/product/19.3.0/dbhome_1  
export ORACLE_SID=CDBLAB  
export PATH=$ORACLE_HOME/bin:$PATH
```

```
sqlplus / as sysdba
```

2. Ensure You Are in the Root Container (CDB\$ROOT):

```
ALTER SESSION SET CONTAINER = CDB$ROOT;
```

3. Create the Common User `DRLEE` :

```
CREATE USER C##DRLEE IDENTIFIED BY password;
```

4. Grant Privileges to the Common User:

```
GRANT CONNECT, RESOURCE, DBA TO C##DRLEE;
```

5. Verify the Common User in the Root Container:

```
SELECT username, common FROM cdb_users WHERE username = 'C##DRLEE';
```

6. Switch to PDBLAB1 and Verify the Common User:

```
ALTER SESSION SET CONTAINER = PDBLAB1;  
SELECT username, common FROM cdb_users WHERE username = 'C##DRLEE';
```

7. Switch to PDBLAB2 and Verify the Common User:

```
ALTER SESSION SET CONTAINER = PDBLAB2;  
SELECT username, common FROM cdb_users WHERE username = 'C##DRLEE';
```

Detailed Example:

1. Connect to SQL*Plus as SYSDBA:

```
sqlplus / as sysdba
```

2. Ensure You Are in the Root Container (CDB\$ROOT):

```
ALTER SESSION SET CONTAINER = CDB$ROOT;
```

3. Create the Common User DRLEE :

```
CREATE USER C##DRLEE IDENTIFIED BY password;
```

4. Grant Privileges to the Common User:

```
GRANT CONNECT, RESOURCE, DBA TO C##DRLEE;
```

5. Verify the Common User in the Root Container:

```
SELECT username, common FROM cdb_users WHERE username = 'C##DRLEE';
```

6. Switch to PDBLAB1 and Verify the Common User:

```
ALTER SESSION SET CONTAINER = PDBLAB1;  
SELECT username, common FROM cdb_users WHERE username = 'C##DRLEE';
```

7. Switch to PDBLAB2 and Verify the Common User:

```
ALTER SESSION SET CONTAINER = PDBLAB2;  
SELECT username, common FROM cdb_users WHERE username = 'C##DRLEE';
```

Explanation:

- **Step 1:** Connect to SQL*Plus as the SYSDBA user to have the necessary privileges to create a common user.
- **Step 2:** Ensure you are operating in the root container (CDB\$ROOT).
- **Step 3:** Create a common user with the prefix C##.
- **Step 4:** Grant the necessary privileges to the new common user.
- **Step 5:** Verify the existence of the common user in the root container.
- **Step 6 & 7:** Switch to each PDB (PDBLAB1 and PDBLAB2) and verify the existence of the common user.

By following these steps, you will create a common user named DRLEE and verify its existence across the root container and the specified PDBs (PDBLAB1 and PDBLAB2).