Oracle Database 12cR1 – Admin Lab

# Create new pluggable database

## Create New PDB from PDB$SEED

### Using DBCA

### Using SQL

## Plug a Non-CDB into a CDB

Three possible methods:

• TTS or TDB or full export/import

• XML file definition with DBMS\_PDB

• Replication

## Clone PDBs

## Plug Unplugged PDB in to CDB

## Migrating pre-12.1 Databases to 12.1 CDB

# Configuring an Operating System User for a PDB

* Instead of using the Oracle operating system user for a PDB, you can set a specific user account to be the operating system user for that PDB. If you do not set a specific user to be the operating system user for the PDB, by default the PDB uses the Oracle operating system user. For the root, you can use the Oracle operating system user when you must interact with the operating system.
* For better security, Oracle recommends that you set a unique operating system user for each PDB in a multitenant environment. Doing so helps to ensure that operating system interactions are performed as a less powerful user than the Oracle operating system user, and helps to protect data that belongs to one PDB from being accessed by users who are connected to other PDBs.
* To set the operating system user for a PDB:

1. Log in to the root as a user and execute the

DBMS\_CREDENTIAL.CREATE\_CREDENTIAL procedure to create an Oracle credential for the fred operating system user:

SQL> EXEC DBMS\_CREDENTIAL.CREATE\_CREDENTIAL (

- credential\_name => 'CDB1\_PDB1\_FRED', username => 'fred',

- password => 'password')

2. Connect to the PDB to set the PDB\_OS\_CREDENTIAL to the new credential:

SQL> ALTER SYSTEM SET PDB\_OS\_CREDENTIAL=CDB1\_PDB1\_FRED SCOPE=spfile;

3. Restart the CDB instance.

4. Test the connection as fred:

[fred] $ sqlplus sys@pdb1 as sysdba