

## Oracle Database Assignment Report

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Course: Database Development with PL/SQL

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### . Task 1: Create a New Pluggable Database (PDB)

A new PDB was created with the following details:

- PDB Name: nt\_pdb\_290889
- Username: ntwari\_plsqlauca\_290889
- Password: (ntwari)

After successful creation, a screenshot was taken to confirm the PDB creation.

```
C:\WINDOWS\system32\cmd.exe - sqlplus / as sysdba

C:\Users>sqlplus / as sysdba

SQL*Plus: Release 21.0.0.0.0 - Production on Mon Oct 6 22:33:06 2025
Version 21.3.0.0.0

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Connected to:
Oracle Database 21c Enterprise Edition Release 21.0.0.0.0 - Production
Version 21.3.0.0.0

SQL> CREATE PLUGGABLE DATABASE nt_pdb_29089
  2   ADMIN USER pdbadmin IDENTIFIED BY admin123
  3   FILE_NAME_CONVERT = (
  4     'C:\ORACLE_INSTALL\ORADATA\ORCL\PDBSEED',
  5     'C:\ORACLE_INSTALL\ORADATA\ORCL\nt_pdb_29089'
  6   );

Pluggable database created.

SQL> ALTER PLUGGABLE DATABASE nt_pdb_29089 OPEN;

Pluggable database altered.

SQL> ALTER PLUGGABLE DATABASE nt_pdb_29089 SAVE STATE;

Pluggable database altered.

SQL> ALTER SESSION SET CONTAINER = nt_pdb_29089;

Session altered.

SQL> CREATE USER ntwari_plsqlauca_29089 IDENTIFIED BY 123;

User created.

SQL> GRANT ALL PRIVILEGES TO ntwari_plsqlauca_29089;

Grant succeeded.

SQL>
```

### 3. Task 2: Create and Delete a PDB

A second PDB was created and then deleted to demonstrate understanding of database management. The details used were:

- \*\*PDB Name:\*\* nt\_to\_delete\_pdb\_290889

Screenshots were taken both after creation and after deletion to document the process.

```
C:\WINDOWS\system32\cmd.exe - sqlplus / as sysdba

Connected to:
Oracle Database 21c Enterprise Edition Release 21.0.0.0.0 - Production
Version 21.3.0.0.0

SQL> CREATE PLUGGABLE DATABASE nt_to_delete_pdb_290889
2   ADMIN USER pdbadmin IDENTIFIED BY admin123
3   FILE_NAME_CONVERT = (
4     'C:\ORACLE_INSTALL\ORADATA\ORCL\PDBSEED',
5     'C:\ORACLE_INSTALL\ORADATA\ORCL\nt_to_delete_pdb_290889'
6   );

Pluggable database created.

SQL> ALTER PLUGGABLE DATABASE nt_to_delete_pdb_290889 CLOSE IMMEDIATE;
ALTER PLUGGABLE DATABASE nt_to_delete_pdb_290889 CLOSE IMMEDIATE
*
ERROR at line 1:
ORA-65020: pluggable database NT_TO_DELETE_PDB_290889 already closed

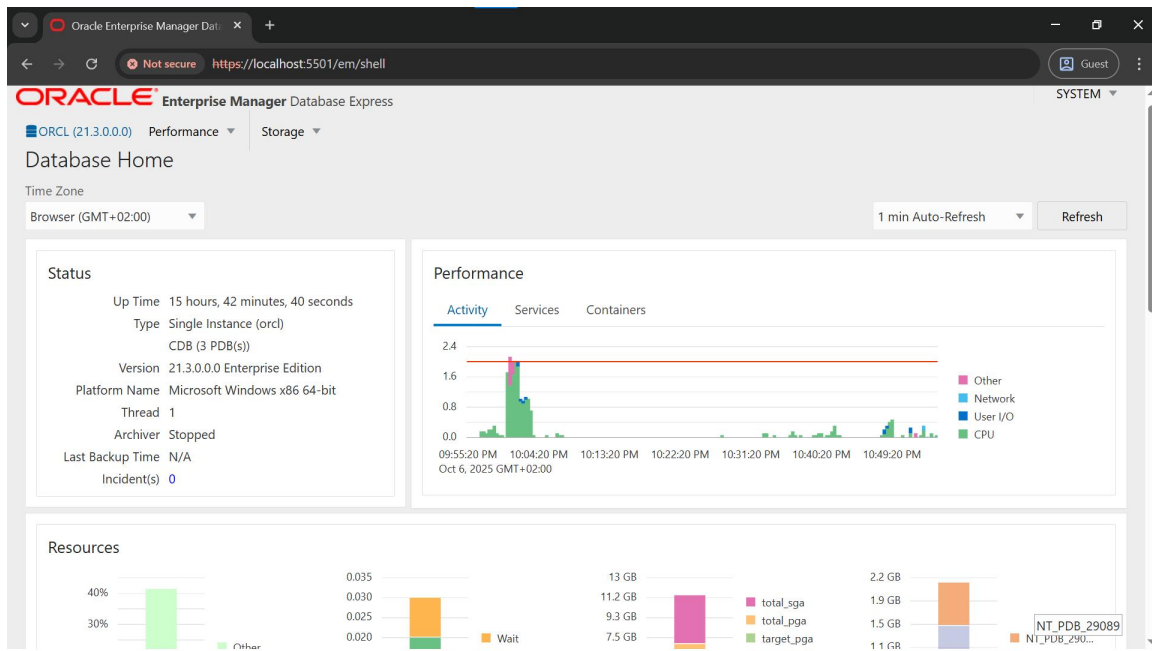
SQL> DROP PLUGGABLE DATABASE nt_to_delete_pdb_290889 INCLUDING DATAFILES;

Pluggable database dropped.

SQL>
```

### 4. Task 3: Oracle Enterprise Manager (OEM)

Oracle Enterprise Manager (OEM) was configured to monitor the created PDBs. A screenshot of the OEM dashboard showing the username (ntwari\_plsqlaca\_290889) was captured.



## 5. Issues Encountered and Solutions

During the assignment, some configuration issues were encountered. network connection settings needed adjustment to allow database service access. These issues were solved by checking listener configuration and restarting database services in my pc

## 7. Conclusion

This assignment helped me understand practical Oracle database management tasks, including creating and managing pluggable databases and using Oracle Enterprise Manager for monitoring. All tasks were successfully completed and verified through screenshots.