

BÀI TẬP THỰC HÀNH 8

Quản lý User, Role, Profile

1. Mục tiêu

- Tạo và quản lý User.
- Grant và revoke quyền.
- Tạo và quản lý Role.
- Tạo và quản lý Profile.

2. Thực hiện

- **Set các biến môi trường**

```
export ORACLE_SID=orcl
export ORACLE_HOME=/u01/app/oracle/product/11.2.0/dbhome_1
export PATH=$PATH:$ORACLE_HOME/bin
```

- **Kiểm tra các tablespace có trên hệ thống**

```
SQL> select tablespace_name from dba_tablespaces;
TABLESPACE_NAME
-----
SYSTEM
SYSAUX
UNDOTBS1
TEMP
USERS
DATA_TBS
INDX_TBS
```

- **Tạo User và set quota**

```
SQL> create user user_app identified by oracle default tablespace
DATA_TBS;
SQL> alter user user_app quota unlimited on INDX_TBS;
```

- **Gán role connect, resource cho user_app**

```
SQL> grant connect,resource to user_app;
```

- **Kiểm tra quyền đã gán cho user**

```
SQL> conn user_app/oracle
Connected.
SQL> select * from session_privs;
```

```
PRIVILEGE
-----
```

```
CREATE SESSION
UNLIMITED TABLESPACE
CREATE TABLE
CREATE CLUSTER
CREATE SEQUENCE
CREATE PROCEDURE
CREATE TRIGGER
CREATE TYPE
CREATE OPERATOR
CREATE INDEXTYPE
```

10 rows selected.

- **Gán quyền system privilege cho user_app**

```
SQL> grant create view to user_app;
```

Grant succeeded.

```
SQL> grant create database link to user_app;
```

Grant succeeded.

- **Gán quyền object privilege cho user_app**

```
SQL> grant select on scott.emp to user_app;
```

Grant succeeded.

- **Tạo role**

```
SQL> create role test_role;
```

Role created.

- **Gán quyền cho role**

```
SQL> grant select any table to test_role;
```

```
SQL> grant dba to test_role;
```

- **Revoke quyền khỏi role**

```
SQL> revoke dba from test_role;
```

- **Gán role cho user**

```
SQL> grant test_role to user_app;
```

- **Tạo profile**

```
SQL> create profile dev_profile limit IDLE_TIME 30;
```

```
SQL> select * from dba_profiles where PROFILE='DEV_PROFILE';
```

PROFILE	RESOURCE_NAME	RESOURCE	LIMIT
DEV_PROFILE	COMPOSITE_LIMIT	KERNEL	DEFAULT
DEV_PROFILE	SESSIONS_PER_USER	KERNEL	DEFAULT
DEV_PROFILE	CPU_PER_SESSION	KERNEL	DEFAULT
DEV_PROFILE	CPU_PER_CALL	KERNEL	DEFAULT
DEV_PROFILE	LOGICAL_READS_PER_SESSION	KERNEL	DEFAULT
DEV_PROFILE	LOGICAL_READS_PER_CALL	KERNEL	DEFAULT
DEV_PROFILE	IDLE_TIME	KERNEL	30
DEV_PROFILE	CONNECT_TIME	KERNEL	DEFAULT
DEV_PROFILE	PRIVATE_SGA	KERNEL	DEFAULT
DEV_PROFILE	FAILED_LOGIN_ATTEMPTS	PASSWORD	DEFAULT
DEV_PROFILE	PASSWORD_LIFE_TIME	PASSWORD	DEFAULT
DEV_PROFILE	PASSWORD_REUSE_TIME	PASSWORD	DEFAULT
DEV_PROFILE	PASSWORD_REUSE_MAX	PASSWORD	DEFAULT
DEV_PROFILE	PASSWORD_VERIFY_FUNCTION	PASSWORD	DEFAULT
DEV_PROFILE	PASSWORD_LOCK_TIME	PASSWORD	DEFAULT
DEV_PROFILE	PASSWORD_GRACE_TIME	PASSWORD	DEFAULT

- **Thực hiện thay đổi các giới hạn tài nguyên trong Profile**

```
SQL> alter profile dev_profile limit FAILED_LOGIN_ATTEMPTS 3;
```

- **Thực hiện tạo password verify function**

```
SQL> @?/rdbms/admin/utlpwdmg.sql
```

- **Đặt profile dev_profile sử dụng password verify function**

```
SQL> alter profile dev_profile limit PASSWORD_VERIFY_FUNCTION
verify_function_11G;
```

- **Gán profile cho user_app**

```
SQL> alter user user_app profile DEV_PROFILE;
```

- **Thử thực hiện thay đổi password để xem password verify function hoạt động**

```
SQL> alter user user_app identified by oracle;
alter user user_app identified by oracle
*
```

```
ERROR at line 1:
```

```
ORA-28003: password verification for the specified password failed
ORA-20001: Password length less than 8
```

```
SQL> alter user user_app identified by "Admin#123";
```

```
User altered.
```