

ASGBD

Rapport du TP N°2: « Gestion des droits »

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Remarque:

Nous nous connectons avant chaque attribution/création/suppression de privilèges, profil ou rôle avec l'utilisateur «system», nous effectuons l'attribution/création/suppression et nous nous connectons avec l'utilisateur concerné par cette attribution pour les vérifications.

1.

```
SQL> create user adminhospital identified by chikh1;

User created.
```

```
SQL> alter user adminhospital quota 20M on hospital_tbs;

User altered.
```

2. En essayant de se connecter à l'utilisateur, la connexion échoue car il ne possède pas ce privilège.

```
SQL> conn adminhospital/chikh1;
ERROR:
ORA-01045: user ADMINHOPITAL lacks CREATE SESSION privilege; logon denied

Warning: You are no longer connected to ORACLE.
```

3.

```
SQL> grant create session to adminhospital;

Grant succeeded.

SQL> conn adminhospital/chikh1;
Connected.
```

4.

```
SQL> grant create table to adminhospital;

Grant succeeded.

SQL> grant create user to adminhospital;

Grant succeeded.
```

5. La table n'est pas reconnue par l'utilisateur car ce dernier n'a pas le droit de la consulter:

```
SQL> conn adminhospital/chikh1;
Connected.
SQL> Select * from DBAHOPITAL.EMPLOYEE
  2  ;
Select * from DBAHOPITAL.EMPLOYEE
      *

ERROR at line 1:
ORA-00942: table or view does not exist
```

6.

```
SQL> grant select on dbahopital.employe to adminhopital;
```

```
Grant succeeded.
```

```
SQL> conn adminhopital/chikh1;
```

```
Connected.
```

```
SQL> Select * from DBAHOPITAL.EMPLOYEE;
```

NUM_EMP	NOM_EMP	PRENOM_EMP	ADRESSE_EMP	TEL_EMP
140	TERKI	Amina	17 Rue Mohammed CHABANI-Alger Centre-Alger	21235894
141	CHAOUI	Farid	13, rue khawarismi-Kouba-Alger	21234163

7. L'utilisateur n'a pas le privilège qui lui permet de modifier la table «Employe»:

```
SQL> update dbahopital.employe set adresse_emp='152, rue Hassiba Ben Bouali 2eme etage  
-Hamma-Alger' where nom_emp='ABDELMOUMEN' and prenom_emp='Nassima';  
update dbahopital.employe set adresse_emp='152, rue Hassiba Ben Bouali 2eme etage -Ham  
ma-Alger' where nom_emp='ABDELMOUMEN' and prenom_emp='Nassima'  
*
```

```
ERROR at line 1:
```

```
ORA-01031: insufficient privileges
```

Il faut donc attribuer le privilège de modification sur cette table à Adminhopital pour pouvoir effectuer la modification.

8.

```
SQL> grant update on dbahopital.employe to adminhopital;
```

```
Grant succeeded.
```

```
SQL> conn adminhopital/chikh1;
```

```
Connected.
```

```
SQL> update dbahopital.employe set adresse_emp='152, rue Hassiba Ben Bouali 2eme etage  
-Hamma-Alger' where nom_emp like '%ABDELMOUMEN%' and prenom_emp like '%Nassima%';
```

```
1 row updated.
```

9. La même observation précédente:

```
SQL> create index employenom_ix on dbahopital.employe(nom_emp);
```

```
create index employenom_ix on dbahopital.employe(nom_emp)
```

```
*
```

```
ERROR at line 1:
```

```
ORA-01031: insufficient privileges
```

10. Après l'accord du privilège de création d'index sur la table «Employe» à Adminhospital, la création de l'index se fait normalement:

```
SQL> grant index on dbahospital.employe to adminhospital;

Grant succeeded.

SQL> conn adminhospital/chikh1;
Connected.
SQL> create index employenom_ix on dbahospital.employe(nom_emp);

Index created.
```

11. Affichage des privilèges que possède Adminhospital:

```
SQL> select * from user_sys_privs;

USERNAME                                PRIVILEGE                                ADM
-----                                -
ADMINHOPITAL                           CREATE SESSION                           NO
ADMINHOPITAL                           CREATE TABLE                            NO
ADMINHOPITAL                           CREATE USER                              NO

SQL> select * from user_tab_privs;

GRANTEE                                OWNER
-----                                -
TABLE_NAME                            GRANTOR
-----                                -
PRIVILEGE                                GRA HIE
-----                                -
ADMINHOPITAL                           DBAHOPITAL
EMPLOYE                                DBAHOPITAL
INDEX                                    NO NO
ADMINHOPITAL                           DBAHOPITAL
EMPLOYE                                DBAHOPITAL
UPDATE                                    NO NO
GRANTEE                                OWNER
-----                                -
TABLE_NAME                            GRANTOR
-----                                -
PRIVILEGE                                GRA HIE
-----                                -
ADMINHOPITAL                           DBAHOPITAL
EMPLOYE                                DBAHOPITAL
SELECT                                    NO NO
```

Suppression des privilèges attribués à Adminhospital:

```
SQL> revoke create session from adminhospital;
Revoke succeeded.

SQL> revoke create table from adminhospital;
Revoke succeeded.

SQL> revoke create user from adminhospital;
Revoke succeeded.

SQL> revoke select on dbahospital.employe from adminhospital;
Revoke succeeded.

SQL> revoke update on dbahospital.employe from adminhospital;
Revoke succeeded.

SQL> revoke index on dbahospital.employe from adminhospital;
Revoke succeeded.

SQL> alter user adminhospital quota 0 on hopital_tbs;
User altered.
```

12.

```
SQL> select * from dba_sys_privs where grantee='ADMINHOPITAL';
no rows selected

SQL> select * from dba_tab_privs where grantee='ADMINHOPITAL';
no rows selected
```

13.

```
SQL> create profile admin_profil limit
 2 sessions_per_user 4
 3 connect_time 50
 4 cpu_per_call 4000
 5 logical_reads_per_session 1500
 6 private_sga 20k
 7 idle_time 30
 8 failed_login_attempts 3
 9 password_life_time 60
10 password_reuse_time 40
11 password_lock_time 1
12 password_grace_time 5;

Profile created.
```

14.

```
SQL> alter user adminhospital profile admin_profil;
User altered.
```

15.

```
SQL> create role gestionnairepatient;
Role created.

SQL> grant select on dbahopital.patient to gestionnairepatient;
Grant succeeded.

SQL> grant select on dbahopital.hospitalisation to gestionnairepatient;
Grant succeeded.

SQL> grant select on dbahopital.soigne to gestionnairepatient;
Grant succeeded.

SQL> grant update on dbahopital.hospitalisation to gestionnairepatient;
Grant succeeded.
```

16.

```
SQL> grant gestionnairepatient to adminhopital;
Grant succeeded.

SQL> select * from dba_role_privs where grantee like '%ADMINHOPITAL%';
```

GRANTEE	GRANTED_ROLE	ADM	DEF
ADMINHOPITAL	GESTIONNAIREPATIENT	NO	YES

Nous pouvons aussi, pour confirmier, effectuer des lectures/écritures par Adminhopital sur les tables concernées par les privilèges attribués au rôle Gestionnairepatient.