

How to copy user's (DDL) script with all grants and roles intact?

The following script can be used to extract user's script. Execute the script in the following order. Execute **blue**, then **red** and then **pink** in SQL Plus while login as SYS as a 3 step procedure..

```

set long 100000
set heading off
set feedback off
set echo off
set verify off
spool /tmp/user_DDL_script.sql

select (case
    when ((select count(*)
    from dba_users
    where username = '&&Username') > 0)
    then dbms_metadata.get_ddl ('USER', '&&Username')
    else to_clob (' -- Note: User not found!')
    end ) Extracted_DDL from dual

UNION ALL
select (case
    when ((select count(*)
    from dba_ts_quotas
    where username = '&&Username') > 0)
    then dbms_metadata.get_granted_ddl( 'TABLESPACE_QUOTA', '&&Username')
    else to_clob (' -- Note: No TS Quotas found!')
    end ) from dual

UNION ALL
select (case
    when ((select count(*)
    from dba_role_privs
    where grantee = '&&Username') > 0)
    then dbms_metadata.get_granted_ddl ('ROLE_GRANT', '&&Username')
    else to_clob (' -- Note: No granted Roles found!')
    end ) from dual

UNION ALL
select (case
    when ((select count(*)
    from dba_sys_privs
    where grantee = '&&Username') > 0)
    then dbms_metadata.get_granted_ddl ('SYSTEM_GRANT', '&&Username')
    else to_clob (' -- Note: No System Privileges found!')
    end ) from dual

UNION ALL
select (case
    when ((select count(*)
    from dba_tab_privs
    where grantee = '&&Username') > 0)
    then dbms_metadata.get_granted_ddl ('OBJECT_GRANT', '&&Username')
    else to_clob (' -- Note: No Object Privileges found!')
    end ) from dual;
```

You will see an sqlplus output similar to below on your screen.

```
moid@Linux-223:/tmp

CREATE USER "SCOTT" IDENTIFIED BY VALUES '506CE8EED4697A37'
  DEFAULT TABLESPACE "USERS"
  TEMPORARY TABLESPACE "TEMP"

-- Note: No TS Quotas found!

GRANT "CONNECT" TO "SCOTT"

GRANT "RESOURCE" TO "SCOTT"

GRANT "ROL_WGO" TO "SCOTT" WITH ADMIN OPTION

GRANT "ROL_WOGO" TO "SCOTT" WITH ADMIN OPTION

GRANT "AAJ_WGO" TO "SCOTT" WITH ADMIN OPTION

GRANT "KAAL_WOGO" TO "SCOTT" WITH ADMIN OPTION

GRANT "ROLE_WGOS" TO "SCOTT" WITH ADMIN OPTION

GRANT "ROLE_WOGOS" TO "SCOTT" WITH ADMIN OPTION

GRANT "WITHGRANTOPTION" TO "SCOTT" WITH ADMIN OPTION

GRANT "WITHOUTGRANTOPTIONS" TO "SCOTT" WITH ADMIN OPTION

GRANT CREATE ANY TRIGGER TO "SCOTT"

GRANT CREATE ROLE TO "SCOTT"

GRANT CREATE VIEW TO "SCOTT"

GRANT CREATE TABLE TO "SCOTT"

GRANT UNLIMITED TABLESPACE TO "SCOTT"

GRANT READ ON DIRECTORY "ASIFDP" TO "SCOTT"

GRANT WRITE ON DIRECTORY "ASIFDP" TO "SCOTT"

SQL>
```

At this point, turn off the spool and exit out of the sqlplus session.

```
spool off  
exit
```

You will now have a script called user_DDL_script.sql in /tmp directory. Comment out the first line and there you go, you have entire user's DDL ready to be executed sitting in a file.

```
moid@Linux-223:(PrimeDG)$ ls -ltrh /tmp/create_users_script.sql  
-rw-r--r--  1 moid moid 597K Nov  4 23:36 /tmp/create_users_script.sql  
moid@Linux-223:(PrimeDG)$
```

Hope this helps.

--Moid Muhammad