

## How to grant all privileges in Oracle

This is a short paper showing how to grant "all privileges" to a user in Oracle and more importantly what privileges are needed to do this. Granting all privileges is a security risk as it means the user having those privileges can do just about anything in your database. Remember *use least privilege principle* at all times and grant what is needed. Do not grant **everything** just to get the job done quickly. Here is the example code!

```
Connected to:
Personal Oracle9i Release 9.2.0.1.0 - Production
With the Partitioning, OLAP and Oracle Data Mining options
JServer Release 9.2.0.1.0 - Production
```

```
SQL>
SQL> sho user
USER is "SYSTEM"
SQL> select * from system_privilege_map
2  where name like '%PRIV%';
```

PRIVILEGE NAME	PROPERTY
-167 GRANT ANY PRIVILEGE	0
-244 GRANT ANY OBJECT PRIVILEGE	0

```
SQL>
SQL> -- Create a new user with just create session (to log on) and
grant
SQL> -- any privilege to, well grant all privileges.
SQL> create user emil identified by emil;
```

User created.

```
SQL> grant create session, grant any privilege to emil;
```

Grant succeeded.

```
SQL> -- because we want to test this privilege create a second user to
SQL> -- test it with
SQL> create user zulia identified by zulia;
```

User created.

```
SQL> -- connect as emil and grant all privileges to Zulia
SQL> connect emil/emil@sans
Connected.
SQL> grant all privileges to zulia;
```

Grant succeeded.

```
SQL> -- connect as system and find out if it worked.
SQL> connect system/manager@sans
Connected.
```

```
SQL> select count(*),grantee
2  from dba_sys_privs
3  where grantee in ('MDSYS','EMIL','ZULIA')
4* group by grantee
```

```
SQL> /
```

```
      COUNT(*)  GRANTEE  
-----  
          2  EMIL  
       139  MDSYS  
       139  ZULIA
```

```
SQL>
```

it We used MDSYS as a checkpoint as MDSYS has all privileges granted to  
by default in a default installation of Oracle. The privilege you need  
therefore is GRANT ANY PRIVILEGE.