

# Grant All Privileges to a User in Oracle

**Summary:** In this lab, you will learn how to use the Oracle `GRANT ALL PRIVILEGES` statement to grant all privileges to a user.

## Granting all privileges to a new user

First, create a new user called `superuser` with a password by using the following `CREATE USER` statement:

```
CREATE USER superuser IDENTIFIED BY abcd1234;
```

The `superuser` user created. Note that you should use a secure password instead of `abcd124`.

Second, use the `GRANT ALL PRIVILEGES` statement to grant all privileges to the `superuser` user:

```
GRANT ALL PRIVILEGES TO superuser;
```

Third, log in to the Oracle Database as the `superuser` user.

And query the `superuser` user's privileges:

```
SELECT * FROM session_privs
ORDER BY privilege;
```

Here is the output in Oracle 19c:

```
PRIVILEGE
-----
ADMINISTER ANY SQL TUNING SET
ADMINISTER DATABASE TRIGGER
ADMINISTER RESOURCE MANAGER
ADMINISTER SQL MANAGEMENT OBJECT
ADMINISTER SQL TUNING SET
ADVISOR
ALTER ANY ANALYTIC VIEW
ALTER ANY ASSEMBLY
ALTER ANY ATTRIBUTE DIMENSION
ALTER ANY CLUSTER
ALTER ANY CUBE

PRIVILEGE
-----
ALTER ANY CUBE BUILD PROCESS
ALTER ANY CUBE DIMENSION
ALTER ANY DIMENSION
ALTER ANY EDITION
ALTER ANY EVALUATION CONTEXT
ALTER ANY HIERARCHY
ALTER ANY INDEX
ALTER ANY INDEXTYPE
ALTER ANY LIBRARY
ALTER ANY MATERIALIZED VIEW
```

ALTER ANY MEASURE FOLDER

PRIVILEGE

-----  
ALTER ANY MINING MODEL

ALTER ANY OPERATOR

ALTER ANY OUTLINE

ALTER ANY PROCEDURE

ALTER ANY ROLE

ALTER ANY RULE

ALTER ANY RULE SET

ALTER ANY SEQUENCE

ALTER ANY SQL PROFILE

ALTER ANY SQL TRANSLATION PROFILE

ALTER ANY TABLE

PRIVILEGE

-----  
ALTER ANY TRIGGER

ALTER ANY TYPE

ALTER DATABASE

ALTER LOCKDOWN PROFILE

ALTER PROFILE

ALTER RESOURCE COST

ALTER ROLLBACK SEGMENT

ALTER SESSION

ALTER SYSTEM

ALTER TABLESPACE

ALTER USER

PRIVILEGE

-----  
ANALYZE ANY

AUDIT ANY

AUDIT SYSTEM

BACKUP ANY TABLE

BECOME USER

CHANGE NOTIFICATION

COMMENT ANY MINING MODEL

COMMENT ANY TABLE

CREATE ANALYTIC VIEW

CREATE ANY ANALYTIC VIEW

CREATE ANY ASSEMBLY

PRIVILEGE

-----  
CREATE ANY ATTRIBUTE DIMENSION

CREATE ANY CLUSTER

CREATE ANY CONTEXT

CREATE ANY CREDENTIAL

CREATE ANY CUBE

CREATE ANY CUBE BUILD PROCESS

CREATE ANY CUBE DIMENSION  
CREATE ANY DIMENSION  
CREATE ANY DIRECTORY  
CREATE ANY EDITION  
CREATE ANY EVALUATION CONTEXT

PRIVILEGE

-----

CREATE ANY HIERARCHY  
CREATE ANY INDEX  
CREATE ANY INDEXTYPE  
CREATE ANY JOB  
CREATE ANY LIBRARY  
CREATE ANY MATERIALIZED VIEW  
CREATE ANY MEASURE FOLDER  
CREATE ANY MINING MODEL  
CREATE ANY OPERATOR  
CREATE ANY OUTLINE  
CREATE ANY PROCEDURE

PRIVILEGE

-----

CREATE ANY RULE  
CREATE ANY RULE SET  
CREATE ANY SEQUENCE  
CREATE ANY SQL PROFILE  
CREATE ANY SQL TRANSLATION PROFILE  
CREATE ANY SYNONYM  
CREATE ANY TABLE  
CREATE ANY TRIGGER  
CREATE ANY TYPE  
CREATE ANY VIEW  
CREATE ASSEMBLY

PRIVILEGE

-----

CREATE ATTRIBUTE DIMENSION  
CREATE CLUSTER  
CREATE CREDENTIAL  
CREATE CUBE  
CREATE CUBE BUILD PROCESS  
CREATE CUBE DIMENSION  
CREATE DATABASE LINK  
CREATE DIMENSION  
CREATE EVALUATION CONTEXT  
CREATE EXTERNAL JOB  
CREATE HIERARCHY

PRIVILEGE

-----

CREATE INDEXTYPE  
CREATE JOB

```
CREATE LIBRARY
CREATE LOCKDOWN PROFILE
CREATE MATERIALIZED VIEW
CREATE MEASURE FOLDER
CREATE MINING MODEL
CREATE OPERATOR
CREATE PLUGGABLE DATABASE
CREATE PROCEDURE
CREATE PROFILE
```

PRIVILEGE

```
-----
CREATE PUBLIC DATABASE LINK
CREATE PUBLIC SYNONYM
CREATE ROLE
CREATE ROLLBACK SEGMENT
CREATE RULE
CREATE RULE SET
CREATE SEQUENCE
CREATE SESSION
CREATE SQL TRANSLATION PROFILE
CREATE SYNONYM
CREATE TABLE
```

PRIVILEGE

```
-----
CREATE TABLESPACE
CREATE TRIGGER
CREATE TYPE
CREATE USER
CREATE VIEW
DEBUG ANY PROCEDURE
DEBUG CONNECT ANY
DEBUG CONNECT SESSION
DELETE ANY CUBE DIMENSION
DELETE ANY MEASURE FOLDER
DELETE ANY TABLE
```

PRIVILEGE

```
-----
DEQUEUE ANY QUEUE
DROP ANY ANALYTIC VIEW
DROP ANY ASSEMBLY
DROP ANY ATTRIBUTE DIMENSION
DROP ANY CLUSTER
DROP ANY CONTEXT
DROP ANY CUBE
DROP ANY CUBE BUILD PROCESS
DROP ANY CUBE DIMENSION
DROP ANY DIMENSION
DROP ANY DIRECTORY
```

PRIVILEGE

-----  
DROP ANY EDITION  
DROP ANY EVALUATION CONTEXT  
DROP ANY HIERARCHY  
DROP ANY INDEX  
DROP ANY INDEXTYPE  
DROP ANY LIBRARY  
DROP ANY MATERIALIZED VIEW  
DROP ANY MEASURE FOLDER  
DROP ANY MINING MODEL  
DROP ANY OPERATOR  
DROP ANY OUTLINE

PRIVILEGE

-----  
DROP ANY PROCEDURE  
DROP ANY ROLE  
DROP ANY RULE  
DROP ANY RULE SET  
DROP ANY SEQUENCE  
DROP ANY SQL PROFILE  
DROP ANY SQL TRANSLATION PROFILE  
DROP ANY SYNONYM  
DROP ANY TABLE  
DROP ANY TRIGGER  
DROP ANY TYPE

PRIVILEGE

-----  
DROP ANY VIEW  
DROP LOCKDOWN PROFILE  
DROP PROFILE  
DROP PUBLIC DATABASE LINK  
DROP PUBLIC SYNONYM  
DROP ROLLBACK SEGMENT  
DROP TABLESPACE  
DROP USER  
EM EXPRESS CONNECT  
ENQUEUE ANY QUEUE  
EXECUTE ANY ASSEMBLY

PRIVILEGE

-----  
EXECUTE ANY CLASS  
EXECUTE ANY EVALUATION CONTEXT  
EXECUTE ANY INDEXTYPE  
EXECUTE ANY LIBRARY  
EXECUTE ANY OPERATOR  
EXECUTE ANY PROCEDURE  
EXECUTE ANY PROGRAM  
EXECUTE ANY RULE

EXECUTE ANY RULE SET  
EXECUTE ANY TYPE  
EXECUTE ASSEMBLY

PRIVILEGE

-----  
EXEMPT DDL REDACTION POLICY  
EXEMPT DML REDACTION POLICY  
EXPORT FULL DATABASE  
FLASHBACK ANY TABLE  
FLASHBACK ARCHIVE ADMINISTER  
FORCE ANY TRANSACTION  
FORCE TRANSACTION  
GLOBAL QUERY REWRITE  
GRANT ANY OBJECT PRIVILEGE  
GRANT ANY PRIVILEGE  
GRANT ANY ROLE

PRIVILEGE

-----  
IMPORT FULL DATABASE  
INSERT ANY CUBE DIMENSION  
INSERT ANY MEASURE FOLDER  
INSERT ANY TABLE  
LOCK ANY TABLE  
LOGMINING  
MANAGE ANY FILE GROUP  
MANAGE ANY QUEUE  
MANAGE FILE GROUP  
MANAGE SCHEDULER  
MANAGE TABLESPACE

PRIVILEGE

-----  
MERGE ANY VIEW  
ON COMMIT REFRESH  
QUERY REWRITE  
READ ANY FILE GROUP  
READ ANY TABLE  
REDEFINE ANY TABLE  
RESTRICTED SESSION  
RESUMABLE  
SELECT ANY CUBE  
SELECT ANY CUBE BUILD PROCESS  
SELECT ANY CUBE DIMENSION

PRIVILEGE

-----  
SELECT ANY MEASURE FOLDER  
SELECT ANY MINING MODEL  
SELECT ANY SEQUENCE  
SELECT ANY TABLE

```
SELECT ANY TRANSACTION
SET CONTAINER
UNDER ANY TABLE
UNDER ANY TYPE
UNDER ANY VIEW
UNLIMITED TABLESPACE
UPDATE ANY CUBE

PRIVILEGE
-----
UPDATE ANY CUBE BUILD PROCESS
UPDATE ANY CUBE DIMENSION
UPDATE ANY TABLE
USE ANY JOB RESOURCE
USE ANY SQL TRANSLATION PROFILE
```

## Granting all privileges to an existing user

To grant all privileges to an existing user, you just need to use the `GRANT ALL PRIVILEGES` statement. For example, the following statement grants all privileges to the user `jane` :

```
GRANT ALL PRIVILEGES to jane;
```

In this lab, you have learned how to use the Oracle `GRANT ALL PRIVILEGES` statement to grant all privileges to a user.