

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.