

# Oracle database

## All the command written in command prompt

### **Login to oracle database:**

>Set oracle\_sid=database\_name

>echo %oracle\_sid%

> Sqlplus / as sysdba enter

Sql>show user

Or >sqlplus / nolog enter

Than sql> connect system as sysdba enter

Password: \*\*\*\*\* enter

SQL> conn user/pass@host: port/service

### **Know the current database:-**

Select name from v\$database;

Select status from v\$instance;

SQL> select name from v\$tablespace;

### **To show all schemas in oracle :-**

```
select username as schema_name
from sys.all_users
order by username;
```

### **How to create user :-**

Create User Books\_Admin Identified By Mypassword;

Get current user name:

```
SQL> select user from dual;
```

### **Or**

```
SELECT * FROM user_users;
```

Select table\_name from user\_tables;

```
SQL> show parameter back;
```

### **Listed the all tables in specified user**

```
:\> emctl status dbconsole
```

Environment variable ORACLE\_UNQNAME not defined.

Please set ORACLE\_UNQNAME to database unique name

Here is how to set oracle\_unqname in Windows. You use a similar "export command" in UNIX/Linux:

```
C:\>set ORACLE_HOSTNAME=localhost
C:\>set ORACLE_UNQNAME=orcl
C:\>set ORACLE_SID=orcl
C:\>emctl status dbconsole
```

```
SELECT
    username,
    default_tablespace,
    Profile,
    authentication_type
FROM
    dba_users;
```

or unlock a user in Oracle, you follow these steps:

- First, log in to the Oracle Database as a SYS user.
- Then, use ALTER USER statement to unlock the user as follows:

```
ALTER USER username IDENTIFIED BY password ACCOUNT UNLOCK;
```

Window:

```
C:\> set ORACLE_SID=xxx
C:\> sqlplus sys/<password>@xxx as sysdba
C:\> startup
```

#### Set linesize 900

```
SELECT * FROM all_users;
SELECT * FROM dba_users;
```

```
GRANT CREATE SESSION TO john;
GRANT CREATE TABLE TO john;
Grant connect, resource to john;
```

```
CREATE TABLE t1(id NUMBER PRIMARY KEY);
```

```
SELECT * FROM session_privs;
```

```
ALTER USER john QUOTA UNLIMITED ON USERS;
```

```
create table emp as(select * from hr.employees);
create directory dpdir as 'c:\backup\dpdir';
```

```
grant read, write on directory dpdir to john;
```

```
SELECT * FROM dba_directories;

SELECT *
FROM dba_directories
WHERE directory_name = 'EMAIL_FILES';

Set Oracle SID C :\> set oracle_sid=ORCL
```

1. Now run Net start command. C:>net start oracleserviceORCL

**Once the tablespace is created, you can find its information by querying data from the `dba_data_files` view:**

```
SELECT
  tablespace_name,
  file_name,
  bytes / 1024 / 1024 MB
FROM
  dba_data_files;
```

to import tablespace:-

```
impdp hr REMAP_TABLESPACE=tbs_1:tbs_6 DIRECTORY=dpump_dir1
  DUMPFILE=employees.dmp
  REMAP_TABLESPACE=source_tablespace:target_tablespace
```

**If this error occur:-**

**IMP-00032: SQL statement exceeded buffer length**

**IMP-00008: unrecognized statement in the export file:**

**Use this import command**

```
imp mohan/mohanpwd file=/'u01/dump_dir/test.dmp' fromuser=SCOTT touser=Mohan
log=/'u01/dump_dir/test_imp.log BUFFER=1000000 commit=y
```

```
ALTER USER <userName> DEFAULT TABLESPACE <tablespace name>;
```

When you want to delete all data from a table, you use the `DELETE` statement without the `WHERE` clause as follows:

- **DELETE FROM** table\_name;

Oracle introduced the `TRUNCATE TABLE` statement that allows you to delete all rows from a big table.

- **TRUNCATE TABLE** table\_name;
- ORA-01950: no privileges on tablespace 'USERS'
- I have done:
- alter user kainaw quota 100M on 'USERS';
- grant unlimited tablespace to kainaw;

```
CREATE TEMPORARY TABLESPACE TEMP_NEW TEMPFILE 'temp_01.dbf' SIZE 500m
autoextend on next 10m maxsize unlimited;
```

```
SQL> select FILE_NAME, TABLESPACE_NAME from dba_temp_files;
```

```
SQL> ALTER DATABASE DEFAULT TEMPORARY TABLESPACE TEMP_NEW;
```

For Local--

```
expdp HR/HR@ORCL directory=Export SCHEMAS=MUKESH DUMPFILE=MUKESH.dmp
LOGFILE=MUKESH.log
```

```
impdp HR/HR@ORCL directory=Export SCHEMAS=MUKESH DUMPFILE=MUKESH.dmp
LOGFILE=MUKESH.log
```

For Remote--

```
expdp FASTAdmin/password@db-m3-medium.coplukvijdo.us-east-1.rds.amazonaws.com:1521/ORCL network_link=to_rds directory=Data_pump_dir dumpfile=MUKESH.dmp logfile=MUKESH.log SCHEMAS='MUKESH'
```

```
impdp FASTAdmin/password@db-m3-medium.coplukvijdo.us-east-1.rds.amazonaws.com:1521/ORCL directory=DATA_PUMP_DIR dumpfile=MUKESH.dmp logfile=MUKESH.log SCHEMAS=MUKESH
```

**GRANT CONNECT, RESOURCE, DBA TO books\_admin;**

It is because no privilege on tablespace. Grant tablespace quota to the user to fix this:

```
SQL> alter user <your username> quota unlimited on tablespace_name;
```

```
SQL> GRANT UNLIMITED TABLESPACE TO <your username>;
```

### CREATE TABLE AS Statement

```
CREATE TABLE new_table  
AS (SELECT * FROM old_table);
```

Such as

```
Sql> create table employee_test as select * from scott.emp;
```

grant the `SELECT ANY TABLE` system privilege to `jack`:

```
GRANT SELECT ANY TABLE TO jack;
```

You must have `CREATE ANY DIRECTORY` system privilege to create directories

**Grant create any directory to john;**

**Export / import command**

**This command for client system**

- `exp aver/aver@192.168.100.66/orcl file=F:\Backup\aver\aver_FRIDAY.dmp owner=aver LOG=F:\Backup\aver\aver_FRIDAY.log`

exit

/

- ❖ If we delete oracle database server or client to delete oracle\_home icon folder using this path

C:\ProgramData\Microsoft\Windows\Start Menu\Programs

To see ProgramData folder click view tab and click checkbox on **Hidden item**

**Grant Role EXP\_FULL\_DATABASE and imp\_full\_database to user**

```
SQL> grant exp_full_database, imp_full_database to john;  
grant create session to pbexcise;
```

```
select to_char(sysdate,'yyyy-mm-dd hh24:mi:ss') from dual;
```

to show all tablespace in the database

```
SQL> SELECT TABLESPACE_NAME, STATUS, CONTENTS FROM USER_TABLESPACES;
```

Check the User default tablespace

```
select username,default_tablespace from dba_users;
```

```
select username,default_tablespace from dba_users where username = 'MDSYS';
```

Set tablespace quota to 10G for user

```
ALTER USER SCOTT QUOTA 10G ON USERS;
```

Grant unlimited tablespace quota:

```
ALTER USER SCOTT QUOTA UNLIMITED ON USERS;
```

```
F:\DATA_FILE\UDDFAULT.DBF
F:\DATA_FILE\UDDEFAULT_1.DBF
F:\ORACLE\PRODUCT\10.2.0\ORADATA\LNT\UNDOTBS01.DBF
E:\TABLESPACE\LNT\USERS03.DBF
F:\ORACLE\PRODUCT\10.2.0\ORADATA\LNT\USERS01.DBF
F:\DATA_FILE\USER02.DBF
```

```
CREATE TABLESPACE tbs1
  DATAFILE 'tbs1_data.dbf'
  SIZE 1m;
```

```
CREATE TABLESPACE tbs1
  DATAFILE 'tbs1.dbf'
  SIZE 1m
  AUTOEXTEND 20m;
```

```
SELECT
  tablespace_name,
  file_name,
  bytes / 1024 / 1024 MB
FROM
  dba_data_files;
```

**COMMAND LINE SYNTAX for EXPDP**

```
expdp system/password DIRECTORY=DATA_PUMP_DIR DUMPFILE=abc.dmp FULL=Y
```

```
EXCLUDE=TABLE:\\"IN \('NAME\','ADDRESS\','EMPLOYEE\','DEPT\')\\"
EXCLUDE=SCHEMA:\\"IN \('WMSYS\','OUTLN\')\\"
```

---

Insert data one table to another table

**Like:**

```
insert rtdc.ac_mast select * from retailpos.ac_mast;
```

rtdc and retailpos are schema and ac\_mast is table

**creating multiple data file in one tablespace.**

Create **tablespace** userdata

datafile 'E:\oradata\orcl\df1.dbf' size 100M,

'E:\oradata\orcl\df2.dbf' size 200M,

'E:\oradata\orcl\df3.dbf' size 300M;

```
C:\APP\ADMINISTRATOR\PRODUCT\12.1.0\DBHOME_1\DATABASE\KPGMT.DBF
```

```
ALTER USER CONNCT DEFAULT TABLESPACE CONNCT;
```

```
SQL> create user pbexcise identified by pbexciselocal;
```

```
GRANT CONNECT, RESOURCE, DBA TO CONNCT;
```

```
grant exp_full_database, imp_full_database to CONNCT;
```

```
alter user CONNCT quota unlimited on CONNCT;
```

```
GRANT UNLIMITED TABLESPACE TO pbexcise;
```

```
Create directory dir_name as 'C:\DUMPPDATA';
```

```
Grant read write permission to Directory:
```

```
--grant read permission
```

```
GRANT read on DIRECTORY dir_name to user_name;
```

```
--grant write permission
```

```
GRANT write on DIRECTORY dir_name to user_name;
```

```
-- grant both
```

```
GRANT READ,WRITE ON DIRECTORY dir_name TO user_Name;
```

```
GRANT READ,WRITE ON DIRECTORY DUMPPDATA TO CONNCT;
```

```
impdp pbexcise/pbexciselocal@193.16.100.150:1521/vmdb directory=dir_name  
DUMPFIL=PBEXCISE_1.dmp LOGFILE=pbexcise_log.log  
remap_schema='PBEXCISE:pbexcise'
```

```
impdp directory=dumpdata DUMPFIL=PBEXCISE_1.dmp LOGFILE=pbexcise_impdp.log  
remap_schema='PBEXCISE:pbexcise'
```

```
expdp DMG/*****@192.168.100.49/dmgdb directory=dump_dir dumpfile=dmg07.dmp lo  
gfile=dmg07log.log schemas=DMG reuse_dumpfiles=true
```

**--drop tablespase pbexcise including contents;**

```
alter session set "_ORACLE_SCRIPT"=true;
```

--multiple table exclude :-

```
( expdp UITBHILWARA/UITBHILWARA@ORCL
```

```
exclude=TABLE:'IN \('GATEPASS_IMAGE','VEHICLE_INWARD'\)'
```

```
dumpfile=UITBHL07.DMP logfile=UITBHL07log.log directory=dump owner='UITBHILWARA' )
```