

DBAII_lab1

Data Pump

1)

- create table <your_name> by hr user.

```
SQL> grant dba, connect to hr
2 ;

Grant succeeded.
```

```
SQL> CREATE TABLE nada_TABLE (
    ID NUMBER,
    NAME VARCHAR2(50)
)
2 3 4 5 ;

Table created.
```

```
[root@node1 ~]# mkdir /opt/backup1
[root@node1 ~]# chown oracle:oinstall /opt/backup1
chown: invalid user: 'oracle:oinstall'
[root@node1 ~]# sudo chown oracle:oinstall /opt/backup1
[root@node1 ~]# su - oracle
```

```
SQL> create directory nada_dir as '/opt/backup1'
2 ;

Directory created.
```

```
SQL> grant read, write on directory nada_dir to hr
2 ;

Grant succeeded.

SQL> conn hr/hr
Connected.
SQL>
```

- export the table by expdp

```
[oracle@node1 ~]$ expdp hr directory= nada_dir dumpfile=dump1.dmp tables= nada_table logfile=dump1.log;

Export: Release 19.0.0.0.0 - Production on Sat Mar 30 22:58:11 2024
Version 19.3.0.0.0

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Password:

Connected to: Oracle Database 19c Standard Edition 2 Release 19.0.0.0.0 - Production
Starting "HR"."SYS_EXPORT_TABLE_01": hr/***** directory=nada_dir dumpfile=dump1.dmp tables=nada_table logfile=dump1.log
Processing object type TABLE_EXPORT/TABLE/TABLE_DATA
Processing object type TABLE_EXPORT/TABLE/STATISTICS/TABLE_STATISTICS
Processing object type TABLE_EXPORT/TABLE/TABLE
.. exported "HR"."NADA_TABLE" 0 KB 0 rows
Master table "HR"."SYS_EXPORT_TABLE_01" successfully loaded/unloaded
*****
Dump file set for HR.SYS_EXPORT_TABLE_01 is:
/opt/backup1/dump1.dmp
Job "HR"."SYS_EXPORT_TABLE_01" successfully completed at Sat Mar 30 22:59:24 2024 elapsed 0 00:00:45

[oracle@node1 ~]$
```

- drop the table && try select from the table

```

connected.
SQL> DROP TABLE nada_TABLE;

Table dropped.

SQL> SELECT * FROM nada_table;
SELECT * FROM nada_table
          *
ERROR at line 1:
ORA-00942: table or view does not exist

```

- re-import the table.

```

[oracle@node1 ~]$ impdp hr/hr tables=nada_table directory=nada_dir dumpfile=dump1.dmp logfile=dump1.log

Import: Release 19.0.0.0.0 - Production on Sun Mar 31 00:18:42 2024
Version 19.3.0.0.0

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Connected to: Oracle Database 19c Standard Edition 2 Release 19.0.0.0.0 - Production
Master table "HR"."SYS_IMPORT_TABLE_01" successfully loaded/unloaded
Starting "HR"."SYS_IMPORT_TABLE_01": hr/***** tables=nada_table directory=nada_dir dumpfile=dump1.dmp logfile=dump1.log
Processing object type TABLE_EXPORT/TABLE/TABLE
Processing object type TABLE_EXPORT/TABLE/TABLE_DATA
.. imported "HR"."NADA_TABLE" 0 KB 0 rows
Processing object type TABLE_EXPORT/TABLE/STATISTICS/TABLE_STATISTICS
Job "HR"."SYS_IMPORT_TABLE_01" successfully completed at Sun Mar 31 00:19:18 2024 elapsed 0 00:00:18

[oracle@node1 ~]$

```

- Check table after import

```

SQL> select * from nada_table
2 ;

      ID NAME
-----
##### arwa
##### nadooda

```

RMAN

- 1) Create new database with SID "CATDB"/ or skip if you will use the same target database

NOTE:USING THE SAME DATABASE AS CATDB

- create new tablespace for the catalog

```

SQL> CREATE TABLESPACE catalog_ts DATAFILE '/u01/app/oracle/oradata/CATBD/catalog_ts.dbf' SIZE 100M
2 ;

Tablespace created.

```

- create user will be used for catalog

```

SQL> CREATE USER nada IDENTIFIED BY nada DEFAULT TABLESPACE catalog_ts QUOTA UNLIMITED ON catalog_ts
2 ;

User created.

SQL> grant create session, RECOVERY_CATALOG_OWNER to nada
2 ;

Grant succeeded.

SQL> grant connect to nada
2 ;

Grant succeeded.

```

- Assign the CATDB to be the recovery catalog DB for the target DB

```

RMAN> create catalog;

recovery catalog created

RMAN> register database;

database registered in recovery catalog
starting full resync of recovery catalog
full resync complete

RMAN> █

```

- Connect to the target DB in catalog mode and report schema;

```

RMAN> REPORT SCHEMA;

Report of database schema for database with db_unique_name ITI

List of Permanent Datafiles
=====
File Size(MB) Tablespace          RB segs Datafile Name
-----
1    830      SYSTEM                YES    /oradata/ITI/system01.dbf
2    550      SYSAUX                  NO     /oradata/ITI/sysaux01.dbf
3    500      UNDOTBS1                YES    /oradata/ITI/undotbs01.dbf
4    18       USERS                   NO     /oradata/ITI/users01.dbf
5    50      ITI_DATA                 NO     /oradata/ITI/file.dbf
6    50      ITI_DATA                 NO     /oradata/ITI/file0.dbf
7    50      NADA_UNDO_TABLESPACE    YES    /u01/app/oracle/oradata/ITI/nada_undo_tablespace.dbf
8    100     ITI44SA                  NO     /u01/app/oracle/oradata/ITI/nada_table.dbf
9    50      ITI44SA                  NO     /u01/app/oracle/oradata/ITI/iti44sa02.dbf
10   50      BIG_SA                   NO     /u01/app/oracle/oradata/ITI/new_big_sa.dbf
11   100     CATLOG_TS                NO     /u01/app/oracle/oradata/CATBD/catalog_ts.dbf

List of Temporary Files
=====
File Size(MB) Tablespace          Maxsize(MB) Tempfile Name
-----
1    28      TEMP                    32767    /oradata/ITI/temp01.dbf
2    100     TEMP2                   100      /u01/app/oracle/oradata/ITI/temp02.dbf

RMAN> █

```

- Show all RMAN configurations

```

RMAN> SHOW ALL;

RMAN configuration parameters for database with db_unique_name ITI are:
CONFIGURE RETENTION POLICY TO REDUNDANCY 1; # default
CONFIGURE BACKUP OPTIMIZATION OFF; # default
CONFIGURE DEFAULT DEVICE TYPE TO DISK; # default
CONFIGURE CONTROLFILE AUTOBACKUP ON; # default
CONFIGURE CONTROLFILE AUTOBACKUP FORMAT FOR DEVICE TYPE DISK TO '%F'; # default
CONFIGURE DEVICE TYPE DISK PARALLELISM 1 BACKUP TYPE TO BACKUPSET; # default
CONFIGURE DATAFILE BACKUP COPIES FOR DEVICE TYPE DISK TO 1; # default
CONFIGURE ARCHIVELOG BACKUP COPIES FOR DEVICE TYPE DISK TO 1; # default
CONFIGURE MAXSETSIZE TO UNLIMITED; # default
CONFIGURE ENCRYPTION FOR DATABASE OFF; # default
CONFIGURE ENCRYPTION ALGORITHM 'AES128'; # default
CONFIGURE COMPRESSION ALGORITHM 'BASIC'; AS OF RELEASE 'DEFAULT' OPTIMIZE FOR LOAD TRUE ; # default
CONFIGURE RMAN OUTPUT TO KEEP FOR 7 DAYS; # default
CONFIGURE ARCHIVELOG DELETION POLICY TO NONE; # default
CONFIGURE SNAPSHOT CONTROLFILE NAME TO 'u01/app/oracle/product/19c/db_home/dbs/snapcf_ITI.f'; # default

RMAN> █

```