

① Topic: - Configure RMAN with Recovery Catalog & Target Database & Backup in RMAN with No Catalog mode (i.e. default)

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① No Catalog / Target Database Backup :-
(Backup information metadata about the backup will be stored in the Control files)

\$ export ORACLE_SID = orcl

\$ sqlplus / as sysdba

\$ rman target /

RMAN> Show all;

RMAN> backup database;

NOTE: - Archive log mode must be enabled to take incremental/full backup using RMAN.

② CATALOG MODE :-

\$ export ORACLE_SID = dbcat

\$ sqlplus / as sysdba

SQL> startup

SQL> select name from v\$database;

SQL> select name from v\$datafile;

SQL> create tablespace rman_tbs

datafile 'log/app/oracle/dbcat/rman_tbs01.dbf'

size 100m;

SOL) Create user rman user identified by rmanpwd
default tablespace rmantbs temporary tablespace
temp quota unlimited on rmantbs;

SOL) Grant ~~create table~~ connect, resource, recovery
~~alter~~ Catalog-owner TO rmanuser;

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SOL) Conn rman^{user}/rmanpwd

SOL) Select view_name from user_views;

SOL) Select ^{no rows} table_name from user_tables;
no rows

SOL) EXIT

\$ RMAN Catalog=rmanuser/rmanpwd@dbcat

RMAN> Create Catalog;

Now, to check

\$ Set oracle_sid=dbcat

\$ sqlplus / as sysdba

SOL) Set sqlprompt "DBCAT">

SOL) Conn rmanuser/rmanpwd

SOL) Select table_name from user_tables;

--(Tables created we can see)

SOL) Select view_name from user_views;

SOL) Desc rc_database;

SQL) Select name from RC-database;

Now, we will register database into Recovery Catalog -

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> \$ set oracle_sid=ORCL

RMAN Target / Catalog=rmanuser/rmanpwd@dbc

RMAN) register database;

Now, at Recovery Catalog database i.e Dbc

SQL) Select name from RC-database;

Now, we can backup using RMAN, from Target or ORCL database.

RMAN) backup database;

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To verify the backup; we can use

DBCAT) Desc RC-Backup-Piece;

DBCAT) Select ~~db_id~~^{db-id}, Backup-Type,
TAG from RC-Backup-Piece;