# RMAN IMPLEMENTATION

**Target Database Name: edirel  
Catalog Database Name: rman**Creating RMAN repository in catalog database (rman) & register the target database (edirel) in repository*.*

**Steps 1: Create Tablespace for RMAN in rman database**  
  
*SQL> CREATE TABLESPACE rman  
DATAFILE '* /*oradata1/rman/rman/rman01' SIZE 200 M ;*

*Tablespace created.*  
  
**Steps 2: Create user for RMAN in rman database**  
*SQL> CREATE USER rmanadmin IDENTIFIED BY rman  
TEMPORARY TABLESPACE temp  
DEFAULT TABLESPACE rman  
QUOTA UNLIMITED ON rman;  
User created.*

**Steps 3: Privileges Assigned to RMAN user**  
  
*SQL> GRANT RECOVERY\_CATALOG\_OWNER TO rmanadmin;  
Grant succeeded.  
SQL> GRANT CONNECT, RESOURCE TO rmanadmin;  
Grant succeeded.*

***Steps 4: Creating the Recovery Catalog***  
  
CMD>RMAN CATALOG rmanadmin/rman@rman  
**RMAN> CREATE CATALOG;**

Recovery catalog created   
RMAN> Exit  
Recovery Manager complete  
  
**Steps 5: Setup Target Database (Register Database)**·EACH DATABASE TO BE BACKED UP BY RMAN MUST BE REGISTERED.  
  
CMD>RMAN CATALOG rmanadmin/rman@rman TARGET SYS/SYS@edirel.  
Connected to target database: edirel (DBID=1933922270)  
Connected to recovery catalog database  
  
**RMAN> register database;**  
Database registered in recovery catalog  
Starting full resync of recovery catalog  
Full resync complete

RMAN CONFIGURATION

Connect to Rman

Rman catalog rmanadmin/rman@rman target sys/sys@edirel.

**1) To View all the Schemas of database registered with RMAN**

RMAN>Report schema

**2) To view all RMAN default configuration**

# Configurining RMAN settings

RMAN>configure controlfile autobackup on;

RMAN> configure retention policy to recovery window of 7 days;

RMAN>configure device type disk backup type to backupset;

RMAN>CONFIGURE CONTROLFILE AUTOBACKUP FORMAT FOR DEVICE TYPE DISK TO '/bkp/rmanbkp/ctlbkp/%F';

RMAN >show all

RMAN configuration parameters are:

CONFIGURE RETENTION POLICY TO RECOVERY WINDOW OF 7 DAYS;

CONFIGURE BACKUP OPTIMIZATION OFF; # default

CONFIGURE DEFAULT DEVICE TYPE TO DISK; # default

CONFIGURE CONTROLFILE AUTOBACKUP ON;

CONFIGURE CONTROLFILE AUTOBACKUP FORMAT FOR DEVICE TYPE DISK TO '/bkp/rmanbkp/ctlbkp/%F';

CONFIGURE DEVICE TYPE DISK BACKUP TYPE TO BACKUPSET PARALLELISM 1;

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 ARCHIVELOG DELETION POLICY TO NONE; # default

CONFIGURE SNAPSHOT CONTROLFILE NAME TO '/oracle/ora10g/product/10.2.0/db\_1/dbs/snapcf\_EDIREL.f'; # default

Enable Block Change Tracking at Production database;

$sqlplus sys/sys@edirel as sysdba

Sql>alter database enable block change tracking using file '/oradata/EDIREL/change\_track.f';

================================================================================Done======================================================