Topic:- Disaster Recovery (DR) Using RMAN (when we looss
all datafiles, redo files, paranfile
etc becoz of System admin)

Picture

Two servers:-

DR Server (node 1)
1)   Oracle on Linux (node 2)
                        (dbname = DR)

node 2:

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$ sqlpus / as sysdba

SQL) startup

SQL) Select name from V$ database;

SQL) Create table tb1_test (id number);

SQL) insert into tb1_test values (1);

SQL) exit

$ rman target /

RMAN) Show all;

            Note:
           (make sure controlfile autobackup
             ON in show all RMAN)

        CONFIGURE CONTROLFILE AUTOBACKUP ON;

RMAN) backup database Plus archivelog;

RMAN) exit

SQL> Solct name from V$ datafile;

SQL> " " " V$ Controlfile;

SQL>   V$ logfile

SQL) " member "

Now,

    Copy/paste all directory name in a gedit file.
                                     path (not file).

SQL) Show parameter dump_dest;

SQL) Edit

$ cd /u0/app/oracle/oradata/ DR/

$ rm -rf *

$ Salplus / as sysdba

$ Shut immediate

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Now at,
Node 1 (only oracle stuff installed)

$ cd $ORACLE_HOME
$ pwd
$ mkdir oradata (← all directories from this file)
$ cd oradata
$ mkdir DR
$ mkdir adump bdump cdump udump
    $ cd /tmp
    $ mkdir backup

Note:
Now, (make Network (Ethernet type = Host-only on both server)

@Node 2 &Node1
    make sure both Ethernet are activated & pinging

(check IP address of both virtual machines.)

    $ /sbin/ifconfig

@Node2 (copy all Rman backup to DR server)

$ cd $ORACLE_HOME/fra

$ cd backupset (RMAN)

$ cd autobackup

$ ls

$ scp * oracle@192.168.1.100:/tmp/backup
                                    (hr server)

$ cd autobackup

$ scp * oracle@192.168.1.100:/tmp/backup

$ cd archivelog

$ scp * oracle@192.168.1.100:/tmp/backup

init 0 (shutdown 18r machine)

@Server1

$ export ORACLE_SID=DR.

$ rman target /

RMAN> startup nomount
            error! (error)

  RMAN>
      tmp
$ cd /backup $ ls

$ (spfile name copy it) from backup

RMAN> restore spfile from '/tmp/backup/o2 mf.. sp bup';

$ cd $ORACLE_HOME/dbs.

$ <spfileDR.ora>

```
$
$ RMAN target /

RMAN>Startup nomount

RMAN>restore Cntrol file from '/tmp/backup/02    Sup.bkp';

RMAN> Startup force mount

RMAN> restore database;

         Error;

RMAN> Catalog start with '/tmp/backup';

RMAN> restore database;

RMAN> recover database;

         Error!

RMAN> alter database open resetlogs;

RMAN> exit

$ sqlplus / as sysdba

SQL> select * from tb3_test;

V.Imp

  run
   {
     Startup nomount;
     restore spfile from '/tmp/backup/01 . .         .bkp';
     Startup force nomount;
     restore Cntrol file from '/tmp/backup/01 . .      .bkp';
     Startup force mount;
     Catalog start with '/tmp/backup';
     restore database;
     recover database;
   }

RMAN>alter database open resetlogs;
```

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Note:- After loss / manually deletion of all backups ~~the time~~

Spfile   run above script, to open or recover database

        i.e (i) all datafile removal (CLRD)

          (ii) all Pfile or spfile removal (Spfile)

Step

(1) shut abort (from salplus)

(2) Copy paste script after connecting to RMAN.

    i.e   /man target /

(3) alter database open Resetlogs;

(4) Check datafiles.

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