

<2>

Topic: - Convert Database (normal) file systems to ASM file systems in Oracle using RMAN: -

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> \$ set ORACLE_SID = asmdb

> \$ sqlplus / as sysdba

SQL> select name, totalmb from v \$ asm_diskgroup;

SQL> exit

> \$ set ORACLE_SID = orcl

> \$ sqlplus / as sysdba

SQL> startup

SQL> select name from v \$ datafile;

SQL> select name from v \$ tempfile;

SQL> select member from v \$ logfile;

} save it details

STEPS:-

<1> Convert control file to asm instance.

<2> Convert datafiles to asm instance.

<3> Convert tempfiles to asm instance.

<4> Convert logfiles to asm instance.

SQL> select name from v \$ database; (i.e orcl)

SQL> shut immediate;

```
> $ cd $ORACLE_HOME/dbs
$ vi init.ora
```

```
* . Control_files = '+DATA';
# . Control_files = '/u02/.....';
```

```
!wq;
```

```
> $ set ORACLE_SID=ORCL
> $ rman target /
```

```
RMAN> startup nomount;
```

```
RMAN> restore controlfile from '/u02/.....-ctl';
(Add output file location into intorctrlfile)
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```
RMAN> alter database mount;
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```
RMAN> backup as copy database format '+DATA';
```

```
RMAN> switch database to copy;
```

```
RMAN> alter database open;
```

```
RMAN> exit
```

```
> $ sqlplus /as sysdba
```

```
SQL> select name from v$datafile;
```

```
SQL> select name from v$controlfile;
```

SQL) Select member from v \$ logfile; } we need to
SQL) Select name from v \$ temp file; } correct this

SQL) Select group#, status from v \$ log; 7
(whichever is inactive remove it and add new using
asm diskgroup location)

SQL) alter database drop logfile group 1;

SQL) alter database add logfile group 1 ('+DATA...
redo01.dbf') size 50m;

SQL) Select group#, status from v \$ log;

SQL) alter system switch logfile;

SQL) Select member from v \$ logfile;

SQL) Select name from v \$ temp file;

SQL) Alter tablespace add temp file '+DATA' size
10m;

SQL) Select file #, name from v \$ temp file;

SQL) Alter tablespace temp drop temp file 2;

SQL) Select name from v \$ temp file;

SQL) Shut immediate;

SQL) Startup;

SQL) Select name from v \$ datafile;