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## Linux backup scripts

/asmfs/rman\_cmds/backup.sh

```
#!/bin/bash

if [ ! $1 ]
then
echo no parameter
exit 1
fi

export PATH=$PATH:/usr/local/bin

. /usr/local/bin/oraenv <<EOF
$2
EOF
export ORASID=$2

export ORACLE_SID=${2}1
rman nocatalog cmdfile=/asmfs/rman_cmds/$1 using $ORASID
```

/asmfs/rman\_cmds/rman\_logs.cmd

```
connect target /

CONFIGURE RETENTION POLICY TO RECOVERY WINDOW OF 3 DAYS;
CONFIGURE CONTROLFILE AUTOBACKUP ON;
CONFIGURE CONTROLFILE AUTOBACKUP FORMAT FOR DEVICE TYPE DISK TO
'/backup_oracle/${ORASID}/cf_%F';
CONFIGURE BACKUP OPTIMIZATION ON;
CONFIGURE DEVICE TYPE disk PARALLELISM 3;
CONFIGURE DEFAULT DEVICE TYPE TO disk;
CONFIGURE CHANNEL 1 DEVICE TYPE DISK FORMAT
'/backup_oracle/${ORASID}/b_%U';
CONFIGURE SNAPSHOT CONTROLFILE NAME TO '/tmp/${ORASID}_snapcf_oraol.f';

BACKUP ARCHIVELOG ALL DELETE INPUT;

ALLOCATE CHANNEL FOR MAINTENANCE DEVICE TYPE DISK;
CROSSCHECK BACKUP;
DELETE NOPROMPT EXPIRED BACKUP;
DELETE NOPROMPT OBSOLETE DEVICE TYPE DISK;
CROSSCHECK ARCHIVELOG ALL;
DELETE NOPROMPT EXPIRED ARCHIVELOG ALL;
```

/asmfs/rman\_cmds/rman\_full.cmd

```
connect target /
```

```
CONFIGURE RETENTION POLICY TO RECOVERY WINDOW OF 3 DAYS;
CONFIGURE CONTROLFILE AUTOBACKUP ON;
CONFIGURE CONTROLFILE AUTOBACKUP FORMAT FOR DEVICE TYPE DISK TO
'/backup_oracle/${ORASID}/cf_%F';
CONFIGURE BACKUP OPTIMIZATION ON;
CONFIGURE DEVICE TYPE disk PARALLELISM 1;
CONFIGURE DEFAULT DEVICE TYPE TO disk;
CONFIGURE CHANNEL 1 DEVICE TYPE DISK FORMAT
'/backup_oracle/${ORASID}/b_%U';
CONFIGURE SNAPSHOT CONTROLFILE NAME TO '/tmp/${ORASID}_snapcf_orao1.f';
CONFIGURE COMPRESSION ALGORITHM 'HIGH';

BACKUP AS COMPRESSED BACKUPSET DATABASE PLUS ARCHIVELOG DELETE INPUT;

ALLOCATE CHANNEL FOR MAINTENANCE DEVICE TYPE DISK;
CROSSCHECK BACKUP;
DELETE NOPROMPT EXPIRED BACKUP;
DELETE NOPROMPT OBSOLETE DEVICE TYPE DISK;
CROSSCHECK ARCHIVELOG ALL;
DELETE NOPROMPT EXPIRED ARCHIVELOG ALL;
```

## Cron

```
0,30 * * * * /asmfs/rman_cmds/backup.sh rman_logs.cmd orcl 2>&1 >/dev/null
55 0 * * * /asmfs/rman_cmds/backup.sh rman_full.cmd orcl 2>&1 >/dev/null
```

## Full backup old mode

```
exp system/manager@abc FULL=Y FILE=FULL.DMP
imp system/manager@abc FULL=Y FILE=FULL.DMP
```

## Datapump

```
CREATE DIRECTORY dmpdir AS '/opt/oracle';
GRANT read, write ON DIRECTORY dmpdir TO scott;
expdp scott/tiger DIRECTORY=dmpdir DUMPFILE=scott.dmp
```

## Restore

```
rman target /
startup nomount;
set dbid=xxxxxxxxx;
restore controlfile from '/backup_oracle/cffile';
shutdown immediate;
startup nomount;
alter database mount;
```

```
restore database;  
recover database;  
alter database open resetlogs;
```

```
restore controlfile;  
recover database;
```

```
run{  
  ALLOCATE CHANNEL t1 DEVICE TYPE disk;  
  RESTORE CONTROLFILE FROM AUTOBACKUP;  
  ALTER DATABASE MOUNT;  
  RESTORE DATABASE;  
  SWITCH DATAFILE ALL;  
  RECOVER DATABASE;  
}
```

```
LIST BACKUP OF DATABASE;  
LIST BACKUP RECOVERABLE;  
LIST BACKUP OF DATABASE SUMMARY;  
LIST BACKUP OF DATAFILE 1;  
LIST BACKUP OF ARCHIVELOG SEQUENCE;
```

## Info

```
select GROUP_NUMBER, NAME, TOTAL_MB, FREE_MB, USABLE_FILE_MB from  
V$ASM_DISKGROUP;  
select substr(name,1,10) name, substr(path,1,20) path, REDUNDANCY, TOTAL_MB,  
os_mb, free_mb from V$ASM_DISK;
```

From:  
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Last update: **2017/11/02 13:57**

