

Fully Backup

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```
rman target / nocatalog
RMAN> configure controlfile autobackup format for device type disk to '/mnt/nfs_fs13/from_ora10g/win/
db full/%F';
RMAN> configure controlfile autobackup on;
RMAN> configure channel device type disk format = '/mnt/nfs_fs13/from_ora10g/win/db_full/%U';
RMAN> crosscheck archivelog all;
RMAN> delete noprompt force expired archivelog all;
RMAN> backup database plus archivelog delete input;
RMAN> configure controlfile autobackup off;
TIPs?
    - ????????????????????
    configure maxsetsize to 30G;
    ????? size ?????? datafile ????
    - ????????
    configure maxsetsize clear;
Archive Log Backup
run {
  crosscheck archivelog all;
  delete noprompt force expired archivelog all;
  backup archivelog all format '/path/to/backup/ora-sid/arc_%T_%s_%t_p%p'
  delete input;
}
Control file Backup
run {
  BACKUP AS COPY CURRENT CONTROLFILE FORMAT '/path/to/backup/ora-sid/control01.ctl';
spfile Backup
SQL> connect / as sysdba
Connected.
SQL> show parameters spfile;
```

```
NAME TYPE VALUE

spfile string /opt/oracle/product/10.2.0.db_

1/dbs/spfiletopprod.ora
```

cp /opt/oracle/product/10.2.0.db_1/dbs/spfiletopprod.ora /mnt/tpeitpap01_nfs/from_tpemisep12/spfiletopprod.ora.`date +"%F"`

Exclude the particular tablespace

```
RMAN> configure exclude for tablespace 'TBS1'; RMAN> configure exclude for tablespace 'TBS2'; ????
```

To list the excludes tablespace RMAN> show exclude;

You can override this exclusion feature by explicitly issuing keyword NOEXCLUDE in order to take whole database

backup.

RMAN> backup database noexclude;

Clear the Excluded SAMTBS1 tablespace RMAN> configure exclude for tablespace 'TBS1' clear;

???? channels ??

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? RMAN scripts ??????
```

```
run {
  allocate channel d1 type DISK;
  allocate channel d2 type DISK;
  backup as backupset archivelog all format .....
  ...
  release channel d1;
  release channel d2;
}
```

Format Directives

Format	Description
%a	Current database activation id
%A	Zero-filled activation ID
%с	The copy number of the backup piece within a set of duplexed backup pieces.bMaximum value is 256

%d	Database name
%D	Current day of the month from the Gregorian calendar in format DD
%e	Archived log sequence number
%f	Absolute file number
%F	Combines the DBID, day, month, year, and sequence into a unique and repeatable generated name
%h	Archived redo log thread number
%I	DBID
%M	Month in the Gregorian calendar in the format MM
%n	Database name, padded on the right with x characters to a total length of eight characters
%N	Tablespace name. Only valid when backing up datafiles as image copies.
%p	Piece number within the backup set. This value starts at 1 for each backup set and is incremented by 1 for each backup piece created. If a PROXY is specified, the %p variable must be included in the FORMAT string either explicitly or implicitly within %U.
%r	Resetlogs ID
%s	Backup set number. This number is a counter in the control file that is incremented for each backup set. The counter value starts at 1 and is unique for the lifetime of the control file. If you restore a backup control file, then duplicate values can result. CREATE CONTROLFILE initializes the counter at 1.
%S	Zero-filled sequence number
%t	Backup set time stamp, a 4-byte value derived as the number of seconds elapsed since a fixed reference time. The combination of %s and %t can be used to form a unique name for the backup set.
%T	Year, month, and day in the Gregorian calendar in the format: YYYYMMDD
%u	An 8-character name constituted by compressed representations of the backup set or image copy number and the time the backup set or image copy was created
%U	A system-generated unique filename (default). %U is different for image copies and backup pieces. For a backup piece, %U is a shorthand for %u_%p_%c and guarantees uniqueness in generated backup filenames. For an image copy of a datafile, %U means the following: data-D-%d_id-%I_TS-%N_FNO-%f_%u For an image copy of an archived redo log, %U means the following: arch-D_%d-id-%I_S-%e_T-%h_A-%a_%u For an image copy of a control file, %U means the following: cf-D_%d-id-%I_%u
%Y	Year in this format: YYYY

```
%%
```

Percent (%) character. For example, %%Y translates to the string %Y

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full backup
     • ????
     • ??????? archive backup ????
configure retention policy to redundancy ${RMAN_KEEP};
run {
  backup as compressed backupset database format '${rman_dest}/%d_DB_%s_%T_%U.rman' filesperset 5;
  sql 'alter system archive log current';
  backup as backupset archivelog all format '${rman dest}/%d ARC %s %T %U.rman' skip inaccessible
filesperset 20 delete all input;
  backup current controlfile format '${rman_dest}/%d_CTL_%s_%T_%U.rman';
  backup spfile format '${rman_dest}/%d_SPFILE_%s_%T_%U.rman';
  crosscheck archivelog all;
  delete noprompt force expired archivelog all;
  delete force noprompt obsolete;
}
archive backup
     • ??????? full backup ????
run {
  crosscheck archivelog all;
  delete noprompt force expired archivelog all;
  backup as backupset archivelog all format '${rman_dest}/%d_ARC_%s_%T_%U.rman' skip inaccessible
filesperset 20 delete all input;
  backup current controlfile format '${rman_dest}/%d_CTL_%s_%T_%U.rman';
}
```

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- http://dba.tw/index.php?topic=320.0
- http://eazyoracle.blogspot.tw/2012/1...ows-linux.html
- backupDB.sh RMAN Backup Script