Controlfile

• control file stores the information about database like datafile’s location online redo log files location and backups location and database name also.

• While installation 2 control files are created.

• select name from v$controlfile;

• show parameter control

• Controlfile is in binary format so we cannot read .

• We can read it by taking control file trace.

# controlfile trace:

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• alter database backup controlfile to trace as ‘/prod/hyd/mouli.ctl’;

• cat mouli.ctl

• we can read this controlfile trace

• it has sections

1. resetlogs

2. No resetlogs

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# multiplexing controlfile:

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• both the control files contain same data .

• Having multiple controlfile helps .when one control file lost we can operate database with another controlfile.

• Keep controlfiles in different location and add the locations in pfile or spfile.

• Cp control101.ctl /data/Prasata/mouli/control103.crl

• alter system set Control\_files=‘/prod/hyd/oradata/contro101.ct1','/u01/hyd/oradata/contro102.ct1’,’/data/Prasata/mouli/control103.ctl’;

• bounce the database .

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# iF Controlfile is available:shut abort

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#reuse controlfile RESETLOGS:

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• if db controlfile is present

• startup nomount

CREATE CONTROLFILE REUSE set DATABASE "RAMTST" RESETLOGS ARCHIVELOG

MAXLOGFILES 16

MAXLOGMEMBERS 2

MAXDATAFILES 30

MAXINSTANCES 1

MAXLOGHISTORY 292

LOGFILE

GROUP 1 '/prod/ramtst/oradata/redo\_01.log' SIZE 50M BLOCKSIZE 512,

GROUP 2 '/prod/ramtst/oradata/redo\_02.log' SIZE 50M BLOCKSIZE 512,

GROUP 3 '/prod/ramtst/oradata/redo\_03.log' SIZE 50M BLOCKSIZE 512

-- STANDBY LOGFILE

DATAFILE

'/prod/ramtst/oradata/system01.dbf',

'/prod/ramtst/oradata/sysaux01.dbf',

'/prod/ramtst/oradata/undotbs01.dbf',

'/prod/ramtst/oradata/users01.dbf'

CHARACTER SET UTF8;

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# iF controlfile is not available :shut abort

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• New name of database

• Startup nomount

CREATE CONTROLFILE set DATABASE "RAMTST" NORESETLOGS ARCHIVELOG

MAXLOGFILES 16

MAXLOGMEMBERS 2

MAXDATAFILES 30

MAXINSTANCES 1

MAXLOGHISTORY 292

LOGFILE

GROUP 1 '/prod/ramtst/oradata/redo\_01.log' SIZE 50M BLOCKSIZE 512,

GROUP 2 '/prod/ramtst/oradata/redo\_02.log' SIZE 50M BLOCKSIZE 512,

GROUP 3 '/prod/ramtst/oradata/redo\_03.log' SIZE 50M BLOCKSIZE 512

-- STANDBY LOGFILE

DATAFILE

'/prod/ramtst/oradata/system01.dbf',

'/prod/ramtst/oradata/sysaux01.dbf',

'/prod/ramtst/oradata/undotbs01.dbf',

'/prod/ramtst/oradata/users01.dbf'

CHARACTER SET UTF8;

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# loss of redolog files:

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• Startup nomount

CREATE CONTROLFILE reuse DATABASE "RAMTST" RESETLOGS ARCHIVELOG

MAXLOGFILES 16

MAXLOGMEMBERS 2

MAXDATAFILES 30

MAXINSTANCES 1

MAXLOGHISTORY 292

LOGFILE

GROUP 1 '/prod/ramtst/oradata/redo\_01.log' SIZE 50M BLOCKSIZE 512,

GROUP 2 '/prod/ramtst/oradata/redo\_02.log' SIZE 50M BLOCKSIZE 512,

GROUP 3 '/prod/ramtst/oradata/redo\_03.log' SIZE 50M BLOCKSIZE 512

-- STANDBY LOGFILE

DATAFILE

'/prod/ramtst/oradata/system01.dbf',

'/prod/ramtst/oradata/sysaux01.dbf',

'/prod/ramtst/oradata/undotbs01.dbf',

'/prod/ramtst/oradata/users01.dbf'

CHARACTER SET UTF8;

• alter database open resetlogs;

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# change of db parameters:

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Max logfiles

Max log members

Max log history

Max datafiles

Max instances

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