

Oracle Database Recovery



Situation 1

1. No Database Backup
2. No Control file Backup
3. No Control file
4. Some Data files Corrupted

Create PFile

```
export ORACLE_SID=test5  
vi /u01/app/oracle/product/19.0.0/dbhome_1/dbs/inittest5.ora
```

```
*.audit_file_dest='/u01/app/oracle/admin/test5/adump'  
*.audit_trail='db'  
*.compatible='19.0.0'  
*.control_files='/data/test5/control1.ctl'  
*.db_block_size=8192  
*.db_name='test5'  
*.diagnostic_dest='/u01/app/oracle'  
*.dispatchers='(PROTOCOL=TCP) (SERVICE=test5XDB)'  
*.log_archive_dest_1='location=/data/test5/archive'  
*.memory_target=1049m  
*.open_cursors=300  
*.processes=320  
*.remote_login_passwordfile='EXCLUSIVE'  
*.undo_tablespace='UNDOTBS1'
```



```
SQL> startup nomount;
ORACLE instance started.

Total System Global Area 1107295376 bytes
Fixed Size      8895632 bytes
Variable Size   704643072 bytes
Database Buffers 385875968 bytes
Redo Buffers    7880704 bytes
SQL> select open_mode from v$database;
select open_mode from v$database
*
ERROR at line 1:
ORA-01507: database not mounted
```

Create Directories

```
mkdir -p /u01/app/oracle/admin/test5/adump
mkdir /data/test5
mkdir /data/test5/archive
```

Control File Scripts

```
CREATE CONTROLFILE
SET DATABASE test5
LOGFILE
GROUP 1 '/data/test5/redo01_01.log' size 5M,
GROUP 2 '/data/test5/redo02_01.log' size 5M
RESETLOGS
DATAFILE '/data/test5/o1_mf_sysaux_mmw00w5g_.dbf' reuse,
'/data/test5/o1_mf_system_mmvzxlg_.dbf' reuse,
'/data/test5/o1_mf_undotbs1_mmw029hf_.dbf' reuse,
'/data/test5/o1_mf_users_mmw02bq6_.dbf' reuse,
'/data/test5/tbs2.dbf' reuse
MAXLOGFILES 50
MAXLOGMEMBERS 3
MAXLOGHISTORY 400
MAXDATAFILES 200
MAXINSTANCES 1
ARCHIVELOG;
```

```
SQL> CREATE CONTROLFILE
SET DATABASE test5
LOGFILE
GROUP 1 '/data/test5/redo01_01.log' size 5M,
GROUP 2 '/data/test5/redo02_01.log' size 5M
RESETLOGS
DATAFILE '/data/test5/ol_mf_sysaux_mmw00w5g_.dbf' reuse,
         '/data/test5/ol_mf_system_mmvzxlgr_.dbf' reuse,
         '/data/test5/ol_mf_undotbs1_mmw029hf_.dbf' reuse,
         '/data/test5/ol_mf_users_mmw02bq6_.dbf' reuse,
         '/data/test5/tbs2.dbf' reuse
MAXLOGFILES 50
MAXLOGMEMBERS 3
MAXLOGHISTORY 400
MAXDATAFILES 200
MAXINSTANCES 1
ARCHIVELOG;
 2      3      4      5      6      7      8      9     10     11     12     13     14     15     16     17
Control file created.

SQL> select open_mode from v$database;

OPEN_MODE
-----
MOUNTED
```

Alter database mount;

select name from v\$datafile;
select name from v\$controlfile;

Alter database open resetlogs;

select table_name,tablespace_name from dba_tables where owner='TEST';

```
TABLE_NAME
-----
SALE
PRODUCT
TABLE2
TABLE1

TABLESPACE_NAME
-----
BIGTBS_01
USERS
TBS2
TBS1

SQL> select * from test.TABLE1;
select * from test.TABLE1
      *
ERROR at line 1:
ORA-00376: file 2 cannot be read at this time
ORA-01111: name for data file 2 is unknown - rename to correct file
ORA-01110: data file 2: '/u01/app/oracle/product/19.0.0/dbhome_1/dbs/MISSING000002'
```

```
SQL> select * from test.PRODUCT;

      ID
-----
      1
      1
      1
      1

SQL> select * from test.TABLE2;

      ID NAME
-----
      1 kamran

SQL> select * from test.SALE;
select * from test.SALE
      *
ERROR at line 1:
ORA-00376: file 5 cannot be read at this time
ORA-01111: name for data file 5 is unknown - rename to correct file
ORA-01110: data file 5: '/u01/app/oracle/product/19.0.0/dbhome_1/dbs/MISSING000005'
```

