

=====  
**工作任务：修改Oracle数据库DBID, SID, 将DB\_NAME改为orcltgt**  
=====

### **环境准备**

Server: Oracle Linux 5u7 - 64bit  
Database: Oracle 11.2.0.4 - 64bit  
DB Name: orcl

### **部分设置**

关闭EM:

```
$ emctl stop dbconsole
```

### **SID 修改**

#### **设置oratab, 添加orcltgt环境**

```
[oracle@t1 dbs]$ vi /etc/oratab  
orcl:/u01/oracle/product/11.2.0/dbhome_1:N  
orcltgt:/u01/oracle/product/11.2.0/dbhome_1:N  
  
[oracle@t1 dbs]$ . oraenv  
ORACLE_SID = [orcl] ? orcltgt  
The Oracle base remains unchanged with value /u01/oracle
```

### **建立实例pfile**

```
[oracle@t1 dbs]$ sqlplus / as sysdba
```

```
SQL*Plus: Release 11.2.0.4.0 Production on Wed May 30 08:32:18 2018  
Copyright (c) 1982, 2013, Oracle. All rights reserved.  
Connected to an idle instance.
```

```
SQL> startup nomount;  
ORA-01078: failure in processing system parameters  
LRM-00109: could not open parameter file '/u01/oracle/product/11.2.0/dbhome_1/dbs/initorcltgt.ora'
```

```
[oracle@t1 dbs]$ ls  
hc_orcl.dat  init.ora  lkORCL  orapworcl  spfileorcl.ora  
[oracle@t1 dbs]$  
[oracle@t1 dbs]$ cp init.ora initorcltgt.ora  
[oracle@t1 dbs]$ vi initorcltgt.ora  
db_name='ORCL'  
~
```

```
SQL> startup nomount;  
[oracle@t1 ~]$ lsnrctl status
```

```
[oracle@t1 ~]$ lsnrctl status

LSNRCTL for Linux: Version 11.2.0.4.0 - Production on 30-MAY-2018 08:51:09

Copyright (c) 1991, 2013, Oracle. All rights reserved.

Connecting to (DESCRIPTION=(ADDRESS=(PROTOCOL=IPC)(KEY=EXTPROC1521)))
STATUS of the LISTENER
-----
Alias                     LISTENER
Version                   TNSLSNR for Linux: Version 11.2.0.4.0 - Production
Start Date                30-MAY-2018 04:57:44
Uptime                    0 days 3 hr. 53 min. 25 sec
Trace Level               off
Security                  ON: Local OS Authentication
SNMP                      OFF
Listener Parameter File   /u01/oracle/product/11.2.0/dbhome_1/network/admin/listener.ora
Listener Log File         /u01/oracle/diag/tnlsnr/t1/listener/alert/log.xml
Listening Endpoints Summary...
  (DESCRIPTION=(ADDRESS=(PROTOCOL=ipc)(KEY=EXTPROC1521)))
  (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=t1.pd.com)(PORT=1521)))
Services Summary...
Service "ORCL" has 1 instance(s)
  Instance "orcltgt", status BLOCKED, has 1 handler(s) for this service...
The command completed successfully
[oracle@t1 ~]$
```

### 重新定位数据库control file

```
SQL> alter database mount;
```

```
alter database mount
```

```
*
```

```
ERROR at line 1:
```

```
ORA-00205: error in identifying control file, check alert log for more info
```

```
-- 原数据库查找control file:
```

```
*.control_files='/u01/oracle/oradata/orcl/control01.ctl','/u01/oracle/fast_recovery_area/orcl/control02.ctl'
```

```
-- 在initortcltgt.ora文件中添加control_files
```

```
db_name='ORCL'
```

```
control_files='/u01/oracle/oradata/orcl/control01.ctl'
```

```
control_files='/u01/oracle/fast_recovery_area/orcl/control02.ctl'
```

```
SQL> startup mount
```

```
ORACLE instance started.
```

```
ORA-00201: control file version 11.2.0.4.0 incompatible with ORACLE version
11.2.0.0.0
```

```
ORA-00202: control file: '/u01/oracle/oradata/orcl/control01.ctl'
```

```
-- 增加compatible以避免版本冲突
```

```
[oracle@t1 dbs]$ vi initortcltgt.ora
```

```
db_name='ORCL'
```

```
compatible ='11.2.0.4'
```

```
control_files='/u01/oracle/oradata/orcl/control01.ctl'
```

```
control_files='/u01/oracle/fast_recovery_area/orcl/control02.ctl'
```

```
SQL> startup mount
```

```
ORACLE instance started.
```

```
Database mounted.
```

```
[oracle@t1 dbs]$ lsnrctl status

LSNRCTL for Linux: Version 11.2.0.4.0 - Production on 30-MAY-2018 09:45:02

Copyright (c) 1991, 2013, Oracle. All rights reserved.

Connecting to (DESCRIPTION=(ADDRESS=(PROTOCOL=IPC)(KEY=EXTPROC1521)))
STATUS of the LISTENER
-----
Alias                     LISTENER
Version                   TNSLSNR for Linux: Version 11.2.0.4.0 - Production
Start Date                30-MAY-2018 04:57:44
Uptime                    0 days 4 hr. 47 min. 18 sec
Trace Level               off
Security                  ON: Local OS Authentication
SNMP                      OFF
Listener Parameter File   /u01/oracle/product/11.2.0/dbhome_1/network/admin/listener.ora
Listener Log File         /u01/oracle/diag/tnslsnr/t1/listener/alert/log.xml
Listening Endpoints Summary...
  (DESCRIPTION=(ADDRESS=(PROTOCOL=ipc)(KEY=EXTPROC1521)))
  (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=t1.pd.com)(PORT=1521)))
Services Summary...
Service "ORCL" has 1 instance(s).
  Instance "orcltgt", status READY, has 1 handler(s) for this service...
The command completed successfully
```

```
SQL> alter database open

Database altered.
```

```
SQL> select instance_name from v$instance;

INSTANCE_NAME
-----
orcltgt
```

```
SQL> select dbid, name from v$database;

        DBID NAME
-----
1505241933 ORCL
```

## 配置监听，建立新实例服务

如果工作中不涉及修改DB\_NAME，那么可能你需要为前台运维人员提供和新实例名相同的服务名

```
# SID_LIST_LISTENER=
#   (SID_LIST=
#     (SID_DESC=
#       #BEQUEATH CONFIG
#       (GLOBAL_DBNAME=salesdb.mycompany)
#       (SID_NAME=sid1)
#       (ORACLE_HOME=/private/app/oracle/product/8.0.3)
#       #PRESPAWN CONFIG
#       (PRESPAWN_MAX=20)
#       (PRESPAWN_LIST=
#         (PRESPAWN_DESC=(PROTOCOL=tcp) (POOL_SIZE=2) (TIMEOUT=1))
#       )
#     )
#   )
```

```
SID_LIST_LISTENER=
  (SID_LIST=
    (SID_DESC=
      (GLOBAL_DBNAME=ORCLTGT)
      (SID_NAME=orcltgt)
    )
  )
```

```
[oracle@t1 ~]$ lsnrctl reload
```

The command completed successfully

```
[oracle@t1 ~]$ lsnrctl status

LSNRCTL for Linux: Version 11.2.0.4.0 - Production on 30-MAY-2018 10:10:37

Copyright (c) 1991, 2013, Oracle. All rights reserved.

Connecting to (DESCRIPTION=(ADDRESS=(PROTOCOL=IPC)(KEY=EXTPROC1521)))
STATUS of the LISTENER
-----
Alias                     LISTENER
Version                   TNSLSNR for Linux: Version 11.2.0.4.0 - Production
Start Date                30-MAY-2018 04:57:44
Uptime                    0 days 5 hr. 12 min. 53 sec
Trace Level               off
Security                  ON: Local OS Authentication
SNMP                     OFF
Listener Parameter File   /u01/oracle/product/11.2.0/dbhome_1/network/admin/listener.ora
Listener Log File         /u01/oracle/diag/tnslsnr/t1/listener/alert/log.xml
Listening Endpoints Summary...
  (DESCRIPTION=(ADDRESS=(PROTOCOL=ipc)(KEY=EXTPROC1521)))
  (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=t1.pd.com)(PORT=1521)))
Services Summary...
Service "ORCL" has 1 instance(s).
  Instance "orcltgt", status READY, has 1 handler(s) for this service...
Service "ORCLTGT" has 1 instance(s).
  Instance "orcltgt", status UNKNOWN, has 1 handler(s) for this service...
The command completed successfully
[oracle@t1 ~]$
```

### **建立password文件**

```
[oracle@t1 admin]$ sqlplus / as sysdba
```

```
SQL> create user pdadmin identified by oracle;
User created.
```

```
SQL> grant dba to pdadmin;
Grant succeeded.
```

```
SQL> grant sysdba to pdadmin;
grant sysdba to pdadmin
*
ERROR at line 1:
ORA-01994: GRANT failed: password file missing or disabled
```

```
[oracle@t1 ~]$ orapwd
Usage: orapwd file=<fname> entries=<users> force=<y/n> ignorecase=<y/n> nosysdba=<y/n>
```

where

- file - name of password file (required),
- password - password for SYS will be prompted if not specified at command line,
- entries - maximum number of distinct DBA (optional),
- force - whether to overwrite existing file (optional),
- ignorecase - passwords are case-insensitive (optional),
- nosysdba - whether to shut out the SYSDBA logon (optional Database Vault only).

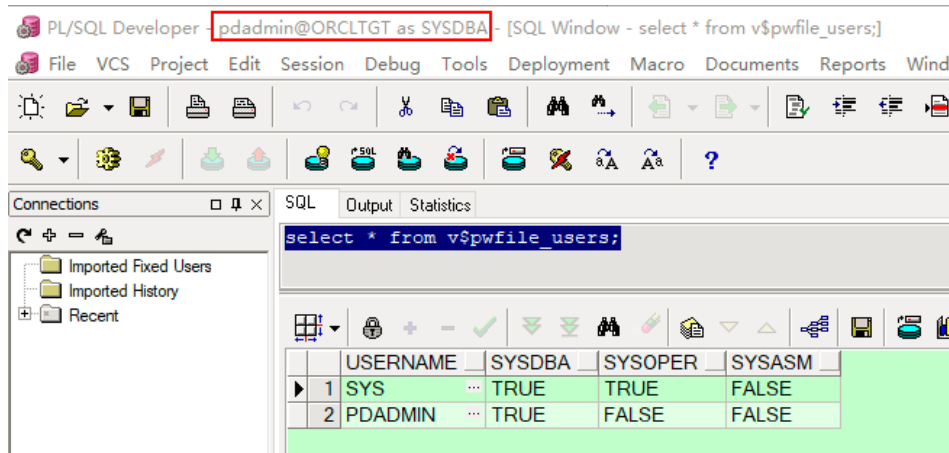
There must be no spaces around the equal-to (=) character.

```
[oracle@t1 ~]$
[oracle@t1 ~]$ cd $ORACLE_HOME/dbs
[oracle@t1 dbs]$ orapwd file=orapworcltgt
Enter password for SYS:
[oracle@t1 dbs]$ ls
hc_orcl.dat  hc_orcltgt.dat  init.ora  initorcl.ora  initorcltgt.ora  lkORCL  orapworcl  orapworcltgt
spfileorcl.ora
[oracle@t1 dbs]$
```

```
SQL> grant sysdba to pdadmin;

Grant succeeded.
```

```
SQL> select * from v$pwfile_users;
```



在建立密码文件后，SYSDBA授权用户就可以以SYSDBA远程登陆了。

## DBID 修改

### 原数据库DBID

```
SQL> select dbid, name from v$database;

        DBID NAME
```

```
1505241933 ORCL
```

### 修改DBID

```
SQL> shutdown immediate

ORA-01109: database not open
```

```
SQL> startup mount

ORACLE instance started.
```

-- 命令格式: `nid TARGET=SYS/secure@<service_name>`

```
[oracle@t1 ~]$ nid target=/  
DBNEWID: Release 11.2.0.4.0 - Production on Sun Jun 3 07:37:57 2018
```

```
Copyright (c) 1982, 2011, Oracle and/or its affiliates. All rights reserved.  
Connected to database ORCL (DBID=1505241933)  
Connected to server version 11.2.0
```

Control Files in database:

```
/u01/oracle/oradata/orcl/control01.ctl  
/u01/oracle/fast_recovery_area/orcl/control02.ctl
```

Change database ID of database ORCL? (Y/[N]) => Y

Proceeding with operation

Changing database ID from 1505241933 to 1505642838

```
Control File /u01/oracle/oradata/orcl/control01.ctl - modified  
Control File /u01/oracle/fast_recovery_area/orcl/control02.ctl - modified
```

```
Datafile /u01/oracle/oradata/orcl/system01.db - dbid changed
Datafile /u01/oracle/oradata/orcl/sysaux01.db - dbid changed
Datafile /u01/oracle/oradata/orcl/undotbs01.db - dbid changed
Datafile /u01/oracle/oradata/orcl/users01.db - dbid changed
Datafile /u01/oracle/oradata/orcl/example01.db - dbid changed
Datafile /u01/oracle/oradata/orcl/temp01.db - dbid changed
Control File /u01/oracle/oradata/orcl/control01.ctl - dbid changed
Control File /u01/oracle/fast_recovery_area/orcl/control02.ctl - dbid changed
Instance shut down
```

Database ID for database ORCL changed to 1505642838.  
All previous backups and archived redo logs for this database are unusable.  
Database has been shutdown, open database with RESETLOGS option.  
Successfully changed database ID.  
DBNEWID - Completed successfully.

-- 日志查看

```
Sun Jun 03 07:38:35 2018
*** DBNEWID utility started ***
DBID will be changed from 1505241933 to new DBID of 1505642838 for database ORCL
Starting datafile conversion
Datafile conversion complete
Database ID for database ORCL changed to 1505642838.
All previous backups and archived redo logs for this database are unusable.
Database has been shutdown, open with RESETLOGS option.
Successfully changed database ID.
*** DBNEWID utility finished successfully ***
Shutting down instance (immediate)
Shutting down instance: further logons disabled
```

-- 启动数据库

```
SQL> startup mount;
ORACLE instance started.
Database mounted.
SQL> alter database open resetlogs;
Database altered.

SQL> select dbid, name from v$database;
      DBID NAME
-----
1505642838 ORCL
```

## 场景 1 - 节点单独库 DB\_NAME NID工具修改

### 查看并确认DB\_NAME

```
SQL> startup mount
ORACLE instance started.
Database mounted.

SQL> select dbid, name from v$database;
      DBID NAME
-----
1505642838 ORCL
```

### 修改DB\_NAME

-- 使用nid修改DB\_NAME的缺点是以数据库名命名的一些路径不会进行修改，所以改的并不算干净。

-- 命令格式: `nid TARGET=<username>/<password>@<servicename> DBNAME=<newname> SETNAME=YES`

-- SETNAME=YES 仅改变DB\_NAME, 若不使用此命令项, 则同时改变DBID和DB\_NAME

```
[oracle@t1 ~]$ nid target=/ dbname=orcltgt
```

DBNEWID: Release 11.2.0.4.0 - Production on Sun Jun 3 08:15:13 2018

Copyright (c) 1982, 2011, Oracle and/or its affiliates. All rights reserved.

Connected to database ORCL (DBID=1505642838)

Connected to server version 11.2.0

Control Files in database:

/u01/oracle/oradata/orcl/control01.ctl

/u01/oracle/fast\_recovery\_area/orcl/control02.ctl

Change database ID and database name ORCL to ORCLTGT? (Y/[N]) => N

Operation cancelled at user request

Instance shut down

Database is intact - database is ready to be open or shut down.

DBNEWID - Cancelled.

```
[oracle@t1 ~]$ nid target=/ dbname=orcltgt setname=yes
```

DBNEWID: Release 11.2.0.4.0 - Production on Sun Jun 3 08:17:54 2018

Copyright (c) 1982, 2011, Oracle and/or its affiliates. All rights reserved.

Connected to database ORCL (DBID=1505642838)

Connected to server version 11.2.0

Control Files in database:

/u01/oracle/oradata/orcl/control01.ctl

/u01/oracle/fast\_recovery\_area/orcl/control02.ctl

Change database name of database ORCL to ORCLTGT? (Y/[N]) => Y

Proceeding with operation

Changing database name from ORCL to ORCLTGT

Control File /u01/oracle/oradata/orcl/control01.ctl - modified

Control File /u01/oracle/fast\_recovery\_area/orcl/control02.ctl - modified

Datafile /u01/oracle/oradata/orcl/system01.db - wrote new name

Datafile /u01/oracle/oradata/orcl/sysaux01.db - wrote new name

Datafile /u01/oracle/oradata/orcl/undotbs01.db - wrote new name

Datafile /u01/oracle/oradata/orcl/users01.db - wrote new name

Datafile /u01/oracle/oradata/orcl/example01.db - wrote new name

Datafile /u01/oracle/oradata/orcl/temp01.db - wrote new name

Control File /u01/oracle/oradata/orcl/control01.ctl - wrote new name

Control File /u01/oracle/fast\_recovery\_area/orcl/control02.ctl - wrote new name

Instance shut down

Database name changed to ORCLTGT.

Modify parameter file and generate a new password file before restarting.

Successfully changed database name.

DBNEWID - Completed successfully.

### 修改parameter file并生成新spfile

```
SQL> shutdown immediate
```

ORA-01507: database not mounted

ORACLE instance shut down.

```
SQL> startup nomount
```

ORACLE instance started.

```
SQL> alter database mount;
```

```

alter database mount
*
ERROR at line 1:
ORA-01103: database name 'ORCLTGT' in control file is not 'ORCL'

SQL> create pfile from spfile;
File created.

[oracle@t1 dbs]$ cd $ORACLE_HOME/dbs
[oracle@t1 dbs]$ vi initorcltgt.ora
orcltgt.__oracle_base='/u01/oracle'#ORACLE_BASE set from environment
*.compatible='11.2.0.4'
*.control_files='/u01/oracle/oradata/orcl/control01.ctl','/u01/oracle/fast_recovery_area/orcl/control02.ctl'
*.db_name='ORCLTGT'

[oracle@t1 dbs]$ sqlplus / as sysdba
SQL> create spfile from pfile;
File created.

SQL> show parameter db_name
NAME                                TYPE                                VALUE
-----
db_name                             string                             ORCLTGT

SQL> show parameter background
NAME                                TYPE                                VALUE
-----
background_core_dump               string                             partial
background_dump_dest               string                             /u01/oracle/diag/rdbms/orcltgt/orcltgt/trace

SQL> select dbid, name from v$databases;
      DBID NAME
-----
1505642838 ORCLTGT

SQL> SELECT * FROM GLOBAL_NAME;
GLOBAL_NAME
-----
ORCLTGT.PD.COM

```

## 场景 2 - 同节点多个同DB\_NAME, 不影响其它库运行情况下的SID修改

### 材料准备 - 数据文件/在线重做日志/归档日志

```

[oracle@t1 oracle]$ mkdir audit-test
[oracle@t1 oradata]$ cp -r ./orcl /u01/oracle/audit-test
[oracle@t1 dbs]$ cp -r ./arch /u01/oracle/audit-test/orcl
[oracle@t1 orcl]$ pwd
/u01/oracle/audit-test/orcl
[oracle@t1 orcl]$ ls
arch  example01.dbf  redo01.log  redo02.log  redo03.log  sysaux01.dbf  system01.dbf  temp01.dbf  undotbs01.dbf  users01.dbf
[oracle@t1 orcl]$

```

### 收集被拷贝库的control file信息

```

SQL> alter database backup controlfile to trace resetlogs;

```



```
Sun Jun 03 15:10:37 2018
alter database backup controlfile to trace resetlogs
Backup controlfile written to trace file /u01/oracle/diag/rdbms/orcltgt/orcltgt/trace/orcltgt_ora_7292.trc
Completed: alter database backup controlfile to trace resetlogs
```

```
STARTUP NOMOUNT
CREATE CONTROLFILE REUSE DATABASE "ORCLTGT" RESETLOGS  ARCHIVELOG
    MAXLOGFILES 16
    MAXLOGMEMBERS 3
    MAXDATAFILES 100
    MAXINSTANCES 8
    MAXLOGHISTORY 292
LOGFILE
  GROUP 1 '/u01/oracle/oradata/orcl/redo01.log'  SIZE 50M BLOCKSIZE 512,
  GROUP 2 '/u01/oracle/oradata/orcl/redo02.log'  SIZE 50M BLOCKSIZE 512,
  GROUP 3 '/u01/oracle/oradata/orcl/redo03.log'  SIZE 50M BLOCKSIZE 512
-- STANDBY LOGFILE
DATAFILE
  '/u01/oracle/oradata/orcl/system01.dbf',
  '/u01/oracle/oradata/orcl/sysaux01.dbf',
  '/u01/oracle/oradata/orcl/undotbs01.dbf',
  '/u01/oracle/oradata/orcl/users01.dbf',
  '/u01/oracle/oradata/orcl/example01.dbf'
CHARACTER SET AL32UTF8
;
-- Commands to re-create incarnation table
-- Below log names MUST be changed to existing filenames on
-- disk. Any one log file from each branch can be used to
-- re-create incarnation records.
-- ALTER DATABASE REGISTER LOGFILE '/u01/oracle/product/11.2.0/dbhome_1/dbs/arch/1_1_977461203.dbf';
-- ALTER DATABASE REGISTER LOGFILE '/u01/oracle/product/11.2.0/dbhome_1/dbs/arch/1_1_977816645.dbf';
-- Recovery is required if any of the datafiles are restored backups,
-- or if the last shutdown was not normal or immediate.
RECOVER DATABASE USING BACKUP CONTROLFILE
-- Database can now be opened zeroing the online logs.
ALTER DATABASE OPEN RESETLOGS;
-- Commands to add tempfiles to temporary tablespaces.
-- Online tempfiles have complete space information.
-- Other tempfiles may require adjustment.
ALTER TABLESPACE TEMP ADD TEMPFILE '/u01/oracle/oradata/orcl/temp01.dbf'
    SIZE 30408704 REUSE AUTOEXTEND ON NEXT 655360 MAXSIZE 32767M;
-- End of tempfile additions.
```

#### **修改脚本建立新的control\_file**

```
STARTUP NOMOUNT
CREATE CONTROLFILE REUSE DATABASE "ORCLTGT" RESETLOGS  ARCHIVELOG
    MAXLOGFILES 16
    MAXLOGMEMBERS 3
    MAXDATAFILES 100
    MAXINSTANCES 8
    MAXLOGHISTORY 292
LOGFILE
  GROUP 1 '/u01/oracle/audit-test/orcltgt2/redo01.log'  SIZE 50M BLOCKSIZE 512,
  GROUP 2 '/u01/oracle/audit-test/orcltgt2/redo02.log'  SIZE 50M BLOCKSIZE 512,
  GROUP 3 '/u01/oracle/audit-test/orcltgt2/redo03.log'  SIZE 50M BLOCKSIZE 512
```

```
-- STANDBY LOGFILE
DATAFILE
  '/u01/oracle/audit-test/orcltgt2/system01.dbf',
  '/u01/oracle/audit-test/orcltgt2/sysaux01.dbf',
  '/u01/oracle/audit-test/orcltgt2/undotbs01.dbf',
  '/u01/oracle/audit-test/orcltgt2/users01.dbf',
  '/u01/oracle/audit-test/orcltgt2/example01.dbf'
CHARACTER SET AL32UTF8;
```

### **准备建立SID\_ORCLTGT2**

```
[oracle@t1 audit-test]$ ls
orcl
[oracle@t1 audit-test]$ mv orcl orcltgt2

[oracle@t1 ~]$ vi /etc/oratab
orcl:/u01/oracle/product/11.2.0/dbhome_1:N
orcltgt:/u01/oracle/product/11.2.0/dbhome_1:N
orcltgt2:/u01/oracle/product/11.2.0/dbhome_1:N

[oracle@t1 dbs]$ . oraenv
ORACLE_SID = [orcltgt2] ? orcltgt2
The Oracle base remains unchanged with value /u01/oracle
```

```
SQL> startup nomount
ORACLE instance started.
SQL> alter database mount
alter database mount
*
ERROR at line 1:
ORA-01102: cannot mount database in EXCLUSIVE mode

Sun Jun 03 15:37:54 2018
alter database mount
Sun Jun 03 15:37:54 2018
sculkgget: failed to lock /u01/oracle/product/11.2.0/dbhome_1/dbs/1kORCLTGT exclusive
sculkgget: lock held by PID: 7660
ORA-09968: unable to lock file
Linux-x86_64 Error: 11: Resource temporarily unavailable
Additional information: 7660
ORA-1102 signalled during: alter database mount
...
```

### **Strace ORA-09968**

```
[oracle@t1 strace]$ strace -f -o strace_output.txt
9295 open("/u01/oracle/product/11.2.0/dbhome_1/dbs/1kORCLTGT", O_RDWR|O_CREAT|O_EXCL, 0660) = -1 EEXIST (File exists)
9295 open("/u01/oracle/product/11.2.0/dbhome_1/dbs/1kORCLTGT", O_RDWR) = 10
9295 fcntl(10, F_SETFD, FD_CLOEXEC) = 0
9295 fcntl(10, F_SETLK, {type=F_WRLCK, whence=SEEK_SET, start=0, len=0}) = -1 EAGAIN (Resource temporarily unavailable)
```

**解决方法：直接删除1kORCLTGT，如果不放心，可以改名或备份到其它地方。**

**不过这仅是个临时性方案，会在同名库的重启中mount阶段互相影响。**

**为了在根本上解决问题，还是推荐连DB\_NAME一起改掉。**

```
[oracle@t1 dbs]$ pwd
/u01/oracle/product/11.2.0/dbhome_1/dbs
[oracle@t1 dbs]$ rm 1kORCLTGT
```

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

SQL>

```
SQL> CREATE CONTROLFILE REUSE DATABASE "ORCLTGT" RESETLOGS  ARCHIVELOG
  2      MAXLOGFILES 16
  3      MAXLOGMEMBERS 3
  4      MAXDATAFILES 100
  5      MAXINSTANCES 8
  6      MAXLOGHISTORY 292
  7  LOGFILE
  8      GROUP 1 '/u01/oracle/audit-test/orcltgt2/redo01.log'  SIZE 50M BLOCKSIZE 512,
  9      GROUP 2 '/u01/oracle/audit-test/orcltgt2/redo02.log'  SIZE 50M BLOCKSIZE 512,
 10      GROUP 3 '/u01/oracle/audit-test/orcltgt2/redo03.log'  SIZE 50M BLOCKSIZE 512
 11  -- STANDBY LOGFILE
 12  DATAFILE
 13      '/u01/oracle/audit-test/orcltgt2/system01.dbf',
 14      '/u01/oracle/audit-test/orcltgt2/sysaux01.dbf',
 15      '/u01/oracle/audit-test/orcltgt2/undotbs01.dbf',
 16      '/u01/oracle/audit-test/orcltgt2/users01.dbf',
 17      '/u01/oracle/audit-test/orcltgt2/example01.dbf'
 18  CHARACTER SET AL32UTF8
 19  ;
```

Control file created.

SQL> show parameter control\_files

NAME	TYPE	VALUE
control_files	string	/u01/oracle/product/11.2.0/dbhome_1/dbs/cntrlorcltgt2.dbf

[oracle@t1 orcltgt2]\$ pwd

/u01/oracle/audit-test/orcltgt2

[oracle@t1 orcltgt2]\$ cp /u01/oracle/product/11.2.0/dbhome\_1/dbs/cntrlorcltgt2.dbf cntrlorcltgt2.dbf

\*.db\_name='ORCLTGT'

compatible ='11.2.0.4'

control\_files='/u01/oracle/audit-test/orcltgt2/cntrlorcltgt2.dbf'

SQL> create spfile from pfile;

File created.

SQL> alter database mount;

Database altered.

SQL> alter system set log\_archive\_dest\_1='location=/u01/oracle/audit-test/orcltgt2/arch' scope=spfile;

System altered.

SQL> shutdown immediate;

ORACLE instance shut down.

SQL> startup mount;

SQL> archive log list;

Database log mode	Archive Mode
Automatic archival	Enabled

```
Archive destination          /u01/oracle/audit-test/orcltgt2/arch
Oldest online log sequence   0
Next log sequence to archive 0
Current log sequence         0
```

```
SQL> ALTER DATABASE OPEN RESETLOGS;
Database altered.
```

```
SQL> ALTER TABLESPACE TEMP ADD TEMPFILE '/u01/oracle/audit-test/orcltgt2/temp01.dbf';
Tablespace altered.
```

**之后修改DB\_NAME可以使用nid工具操作。**