# 报错06

解决方法：
cd /u01/app/oracle/admin/PROD3/
rm -rf wallet/
重新创建wallet目录
再设置密码

## 创建表空间指定blocksize大小失败

```
SYS@PROD1> create tablespace lob_data datafile '/u01/app/oracle/oradata/PROD1/lob_data01.dbf' size 50M autoextend on maxsize 2G
extent management local uniform size 2M blocksize 16k;
create tablespace lob_data datafile '/u01/app/oracle/oradata/PROD1/lob_data01.dbf' size 50M autoextend on maxsize 2G extent
management local uniform size 2M blocksize 16k
*
ERROR at line 1:
ORA-29339: tablespace block size 16384 does not match configured block size

SYS@PROD1> host oerr ora 29339
29339, 00000, "tablespace block size %s does not match configured block sizes"
// *Cause:  The block size of the tablespace to be plugged in or
//          created does not match the block sizes configured in the
//          database.
// *Action:Configure the appropriate cache for the block size of this
//          tablespace using one of the various (db_2k_cache_size,
//          db_4k_cache_size, db_8k_cache_size, db_16k_cache_size,
//          db_32K_cache_size) parameters.

SYS@PROD1>
```

**原因：**
**没有修改DB_16K_CACHE_SIZE**

```
HR@PROD1> select * from employees where employee_id=197;
select * from employees where employee_id=197
                                               *
ERROR at line 1:
ORA-28112: failed to execute policy function


HR@PROD1> host oerr ora 28112
28112, 00000, "failed to execute policy function"
// *Cause: The policy function has one or more error during execution.
// *Action: Check the trace file and correct the errors.

HR@PROD1>
```

**Answer:**  ORA-28112: failed to execute policy function occurs when the policy function encounters some runtime errors, typically unhandled exceptions. Fortunately, the error will produce a trace file in the *user_dump_dest* directory that can be examined and the error can be corrected.  You need to see the trace file for additional details on the ORA-2812 error.  The docs note:
**ORA-28112**: failed to execute policy function


**Cause**: The policy function has one or more error during execution.


**Action**: Check the trace file and correct the errors.
You can check your trace file for these details. I have a working example of a VPD policy invocation here.  In my experience, the ORA-28112 error is almost always an unhandled exception, and you can display the exact exception using the PL/SQL "WHEN OTHERS" clause.

```
HR@PROD1>
HR@PROD1> exec sp_imp_blob
BEGIN sp_imp_blob; END;

*
ERROR at line 1:
ORA-19755: could not open change tracking file
ORA-19750: change tracking file: '/home/oracle/files/track.f'
ORA-27037: unable to obtain file status
Linux Error: 2: No such file or directory
Additional information: 3
ORA-06512: at "HR.SP_IMP_BLOB", line 8
ORA-06512: at line 1
HR@PROD1>
HR@PROD1> exec sp_imp_blob
BEGIN sp_imp_blob; END;

*
ERROR at line 1:
ORA-19755: could not open change tracking file
ORA-19750: change tracking file: '/home/oracle/files/track.f'
ORA-27037: unable to obtain file status
Linux Error: 2: No such file or directory
Additional information: 3
ORA-06512: at "HR.SP_IMP_BLOB", line 8
ORA-06512: at line 1
HR@PROD1> exec sp_imp_blob
BEGIN sp_imp_blob; END;

*
ERROR at line 1:
ORA-22288: file or LOB operation FILEOPEN failed
No such file or directory
ORA-06512: at "SYS.DBMS_LOB", line 805
ORA-06512: at "HR.SP_IMP_BLOB", line 10
ORA-06512: at line 1
HR@PROD1> HR@PROD1>
HR@PROD1>
HR@PROD1>
HR@PROD1> exec sp_imp_blob
BEGIN sp_imp_blob; END;

*
ERROR at line 1:
ORA-22288: file or LOB operation FILEOPEN failed
No such file or directory
ORA-06512: at "SYS.DBMS_LOB", line 805
ORA-06512: at "HR.SP_IMP_BLOB", line 10
ORA-06512: at line 1
HR@PROD1>
SYS@PROD1>
```

之前建过一次fga policy，但是参数设置有身体，所以查不到从数据字典，
通过exec dbms_fga.drop_policy('HR','employees','mypolicy1') 删除policy，在重新建

```
SYS@PROD1> select sqltext from fga_log$;

no rows selected
SYS@PROD1>
SYS@PROD1>
```

```
SYS@PROD1>
SYS@PROD1> @fga
begin
*
ERROR at line 1:
ORA-28101: policy already exists
ORA-06512: at "SYS.DBMS_FGA", line 20
ORA-06512: at line 2
SYS@PROD1>
SYS@PROD1> exec dbms_fga.drop_policy('HR','employees','mypolicy1')
PL/SQL procedure successfully completed.
SYS@PROD1> @fga
PL/SQL procedure successfully completed.
SYS@PROD1>
SYS@PROD1>
[oracle@edbjr2p1 ~]$ cat fga.sql
begin
DBMS_FGA.ADD_POLICY (
    object_schema       =>  'HR',
    object_name         =>  'employees',
    policy_name         =>  'mypolicy1',
    audit_condition     =>  '(salary is not null) and (commission_pct is not null)',
    audit_column        =>  'salary,commission_pct',
    handler_schema      =>   NULL,
    handler_module      =>   NULL,
    enable              =>   TRUE,
    statement_types     =>  'select',
    audit_trail         =>   DBMS_FGA.XML + DBMS_FGA.EXTENDED,
    audit_column_opts   =>   DBMS_FGA.ANY_COLUMNS);
end;
/
[oracle@edbjr2p1 ~]$ vi fga.sql
[oracle@edbjr2p1 ~]$ cat fga.sql
begin
DBMS_FGA.ADD_POLICY (
    object_schema       =>  'HR',
    object_name         =>  'employees',
    policy_name         =>  'mypolicy1',
    audit_condition     =>  '(salary is not null) and (commission_pct is not null)',
    audit_column        =>  'salary,commission_pct',
    handler_schema      =>   NULL,
    handler_module      =>   NULL,
    enable              =>   TRUE,
    statement_types     =>  'select',
    audit_trail         =>   DBMS_FGA.DB + DBMS_FGA.EXTENDED,
    audit_column_opts   =>   DBMS_FGA.ANY_COLUMNS);
end;
/
[oracle@edbjr2p1 ~]$
```

**PROD2库登不上，用kill -9 和ipcrm 之后，PROD2库可以登上了，但PROD1库又出现问题了**

```
SYS@PROD1> select status from v$instance;
STATUS
------------
OPEN
SYS@PROD1>
SYS@PROD1> shutdown immediate
```

Database closed.

Database dismounted.

ORA-27120: unable to remove shared memory segment

Linux Error: 43: Identifier removed

Additional information: 2392080

Additional information: 11

SYS@PROD1> exit

Disconnected from Oracle Database 11g Enterprise Edition Release 11.2.0.3.0 - Production

With the Partitioning, OLAP, Data Mining and Real Application Testing options

[oracle@edbjr2p1 ~]$ sql

SQL*Plus: Release 11.2.0.3.0 Production on Fri May 26 22:39:24 2017

Copyright (c) 1982, 2011, Oracle.  All rights reserved.

Connected to an idle instance.

SYS@PROD1> startup

ORACLE instance started.

Total System Global Area  941600768 bytes

Fixed Size                  1348860 bytes

Variable Size             566233860 bytes

Database Buffers          369098752 bytes

Redo Buffers                4919296 bytes

Database mounted.

Database opened.

SYS@PROD1>

SYS@PROD2> select status from v$instance;

STATUS

------------

OPEN

SYS@PROD2> create public database link prod1 connect to sh identified by sh using 'prod1';

Database link created.

SYS@PROD2>

SYS@PROD2> create public synonym sales for sh.sales@prod1;

Synonym created.

SYS@PROD2> select count(*) from sales;

select count(*) from sales

                    *

ERROR at line 1:

ORA-01034: ORACLE not available

ORA-02063: preceding line from PROD1

Process ID: 14674

Session ID: 125 Serial number: 3


SYS@PROD2> select count(*) from sales;

select count(*) from sales

                    *

ERROR at line 1:

ORA-01034: ORACLE not available

ORA-02063: preceding line from PROD1

Process ID: 14674

Session ID: 125 Serial number: 3

SYS@PROD2>


解决办法：
只能退出重新登录


SH@PROD1> exec dbms_stats.set_table_prefs('SH','SALES','NO_INVALIDATE','TRUE');

PL/SQL procedure successfully completed.

SH@PROD1>

```
SH@PROD1> exec dbms_stats.gather_table_stats('SH','SALES');
BEGIN dbms_stats.gather_table_stats('SH','SALES'); END;
*
ERROR at line 1:
ORA-00604: error occurred at recursive SQL level 1
ORA-01655: unable to extend cluster SYS.C_OBJ#_INTCOL# by 128 in tablespace
SYSTEM
ORA-06512: at "SYS.DBMS_STATS", line 23829
ORA-06512: at "SYS.DBMS_STATS", line 23880
ORA-06512: at line 1
SH@PROD1>
```
原因：
SYSTEM表空间不够用
解决方法：
扩展SYSTEM表空间

```
SYS@PROD2> select count(*) from sales;
select count(*) from sales
                     *
ERROR at line 1:
ORA-12514: TNS:listener does not currently know of service requested in connect
descriptor
SYS@PROD2>
```
这里报错信息显示TNS域名解析错误，而实际上原因是PROD1库没起来

```
SYS@PROD2> ;
  1* select count(*) from sales
SYS@PROD2> /
select count(*) from sales
                     *
ERROR at line 1:
ORA-12528: TNS:listener: all appropriate instances are blocking new connections
SYS@PROD2>
SYS@PROD2> ;
```
这个时候报错还是现实TNS有问题，而实际上此时PROD1库正在启动，还没mount起来

```
SYS@prod1> conn sys/oracle@prod1_s as sysdba
ERROR:
ORA-12520: TNS:listener could not find available handler for requested type of
server
Warning: You are no longer connected to ORACLE.
@>
@> conn / as sysdba
Connected.
SYS@PROD1> host oerr ora 12520
12520, 00000, "TNS:listener could not find available handler for requested type of server"
// *Cause: None of the known and available service handlers for requested type
// of server (dedicated or shared) are appropriate for the client connection.
// *Action: Run "lsnrctl services" to ensure that the instance(s) have
// registered with the listener and that the appropriate handlers are
// accepting connections.
SYS@PROD1>
```
要设置了shared_servers和max_shared_servers参数之后才能连接到PROD_S

```
[oracle@edbjr2p1 scripts]$ p1
[oracle@edbjr2p1 scripts]$ impdp directory=tune_results dumpfile=expmaga.dmp logfile=expmaga.log

Import: Release 11.2.0.3.0 - Production on Tue Jun 20 12:34:56 2017

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Username: hr/hr

Connected to: Oracle Database 11g Enterprise Edition Release 11.2.0.3.0 - Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options
ORA-39099: cannot create index for "process_order, duplicate" on master table "HR"."SYS_IMPORT_FULL_01"
ORA-01658: unable to create INITIAL extent for segment in tablespace USERS

Master table "HR"."SYS_IMPORT_FULL_01" successfully loaded/unloaded
Starting "HR"."SYS_IMPORT_FULL_01":  hr/******** directory=tune_results dumpfile=expmaga.dmp logfile=expmaga.log
Processing object type TABLE_EXPORT/TABLE/TABLE
Processing object type TABLE_EXPORT/TABLE/TABLE_DATA
Job "HR"."SYS_IMPORT_FULL_01" completed with 1 error(s) at 12:35:01

[oracle@edbjr2p1 scripts]$


[oracle@edbjr2p1 scripts]$
[oracle@edbjr2p1 scripts]$ impdp directory=tune_results dumpfile=expmaga.dmp logfile=expmaga.log

Import: Release 11.2.0.3.0 - Production on Tue Jun 20 12:37:22 2017

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Username: hr/hr

Connected to: Oracle Database 11g Enterprise Edition Release 11.2.0.3.0 - Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options
Master table "HR"."SYS_IMPORT_FULL_01" successfully loaded/unloaded
Starting "HR"."SYS_IMPORT_FULL_01":  hr/******** directory=tune_results dumpfile=expmaga.dmp logfile=expmaga.log
Processing object type TABLE_EXPORT/TABLE/TABLE
ORA-39151: Table "HR"."MAGAZINE_ARTICLES" exists. All dependent metadata and data will be skipped due to table_exists_action of
skip
Processing object type TABLE_EXPORT/TABLE/TABLE_DATA
Job "HR"."SYS_IMPORT_FULL_01" completed with 1 error(s) at 12:37:25

[oracle@edbjr2p1 scripts]$
```
1. drop table hr.magazine_articles
2. 加参数table_exists_actions=append

```
RMAN> recover database;

Starting recover at 22-JUN-17
released channel: ORA_DISK_1
released channel: ORA_DISK_2
allocated channel: ORA_DISK_1
channel ORA_DISK_1: SID=10 device type=DISK
allocated channel: ORA_DISK_2
channel ORA_DISK_2: SID=135 device type=DISK
```

RMAN-06900: WARNING: unable to generate V$RMAN_STATUS or V$RMAN_OUTPUT row
RMAN-06901: WARNING: disabling update of the V$RMAN_STATUS and V$RMAN_OUTPUT rows
ORACLE error from target database:
ORA-19922: there is no parent row with id 0 and level 1


starting media recovery

archived log for thread 1 with sequence 12 is already on disk as file
/u01/app/oracle/fast_recovery_area/PROD2/archivelog/2017_06_19/o1_mf_1_12_dnhw97wc_.arc
RMAN-00571: ===========================================================
RMAN-00569: =============== ERROR MESSAGE STACK FOLLOWS ===============
RMAN-00571: ===========================================================
RMAN-03002: failure of recover command at 06/22/2017 21:38:35
RMAN-06053: unable to perform media recovery because of missing log
RMAN-06025: no backup of archived log for thread 1 with sequence 1 and starting SCN of 1012015 found to restore


RMAN> list failure;

List of Database Failures
=========================

Failure ID Priority Status    Time Detected Summary
---------- -------- --------- ------------- -------
300        CRITICAL OPEN      22-JUN-17     System datafile 1: '/u01/app/oracle/oradata/PROD2/system01.dbf' needs media recovery
303        HIGH     OPEN      22-JUN-17     One or more non-system datafiles need media recovery


RMAN> advise failure;

List of Database Failures
=========================

Failure ID Priority Status    Time Detected Summary
---------- -------- --------- ------------- -------
300        CRITICAL OPEN      22-JUN-17     System datafile 1: '/u01/app/oracle/oradata/PROD2/system01.dbf' needs media recovery
303        HIGH     OPEN      22-JUN-17     One or more non-system datafiles need media recovery

analyzing automatic repair options; this may take some time
using channel ORA_DISK_1
using channel ORA_DISK_2
analyzing automatic repair options complete

Mandatory Manual Actions
========================
1. If you restored the wrong version of data file /u01/app/oracle/oradata/PROD2/system01.dbf, then replace it with the correct
one
2. If you restored the wrong version of data file /u01/app/oracle/oradata/PROD2/sysaux01.dbf, then replace it with the correct
one
3. If you restored the wrong version of data file /u01/app/oracle/oradata/PROD2/undotbs01.dbf, then replace it with the correct
one
4. If you restored the wrong version of data file /u01/app/oracle/oradata/PROD2/users01.dbf, then replace it with the correct one
5. If you restored the wrong version of data file /u01/app/oracle/oradata/PROD2/example01.dbf, then replace it with the correct
one
6. Contact Oracle Support Services if the preceding recommendations cannot be used, or if they do not fix the failures selected
for repair


Optional Manual Actions
=======================

no manual actions available


Automated Repair Options
=======================

no automatic repair options available


RMAN>
搞坏了，只用从冷备恢复




SYS@PROD2> startup
ORACLE instance started.


Total System Global Area   941600768 bytes
Fixed Size                   1348860 bytes
Variable Size              515902212 bytes
Database Buffers           419430400 bytes
Redo Buffers                 4919296 bytes
Database mounted.
ORA-03113: end-of-file on communication channel
Process ID: 6404
Session ID: 125 Serial number: 5


SYS@PROD2> host oerr ora 3113
03113, 00000, "end-of-file on communication channel"
// *Cause: The connection between Client and Server process was broken.
// *Action: There was a communication error that requires further investigation.
//          First, check for network problems and review the SQL*Net setup.
//          Also, look in the alert.log file for any errors. Finally, test to
//          see whether the server process is dead and whether a trace file
//          was generated at failure time.


SYS@PROD2>