

报错02

1. 将数据库设置为非归档

```
SYS@PROD1> alter database noarchivelog
2 ;
alter database noarchivelog
*
ERROR at line 1:
ORA-01126: database must be mounted in this instance and not open in any
instance

SYS@PROD1> shutdown immediate
Database closed.
Database dismounted.
ORACLE instance shut down.
SYS@PROD1> startup mount
ORACLE instance started.

Total System Global Area 941600768 bytes
Fixed Size 1348860 bytes
Variable Size 713034500 bytes
Database Buffers 222298112 bytes
Redo Buffers 4919296 bytes
Database mounted.
SYS@PROD1>
SYS@PROD1> alter database noarchivelog;
alter database noarchivelog
*
ERROR at line 1:
ORA-38774: cannot disable media recovery - flashback database is enabled

SYS@PROD1> host oerr ora 38774
38774, 00000, "cannot disable media recovery - flashback database is enabled"
// *Cause: An attempt was made to disable media recovery while flashback
// database was enabled.
// *Action: Use the ALTER DATABASE FLASHBACK OFF statement to disable
// flashback database, then disable media recovery.

SYS@PROD1> alter database flashback off;
Database altered.
SYS@PROD1> alter database noarchivelog;
Database altered.
SYS@PROD1> alter database open;
Database altered.
SYS@PROD1>
```

2. 将db_recovery_file_dest_size值设为0

```
SYS@PROD1> alter system set db_recovery_file_dest_size=;
alter system set db_recovery_file_dest_size=
*
ERROR at line 1:
ORA-00921: unexpected end of SQL command

SYS@PROD1> alter system set db_recovery_file_dest_size='';
alter system set db_recovery_file_dest_size=''
*
```

```

ERROR at line 1:
ORA-32005: error while parsing size specification []

SYS@PROD1> host oerr ora 921
00921, 00000, "unexpected end of SQL command"
// *Cause:
// *Action:

SYS@PROD1> host oerr ora 32005
32005, 00000, "error while parsing size specification [%s]"
// *Cause: The value specified for an alter operation on a size parameter
//          is not valid
// *Action: Correct the value and retry the operation

SYS@PROD1> alter system set db_recovery_file_dest_size=0m;
alter system set db_recovery_file_dest_size=0m
*
ERROR at line 1:
ORA-02097: parameter cannot be modified because specified value is invalid
ORA-19803: Parameter DB_RECOVERY_FILE_DEST_SIZE is out of range (1 -
18446744073709551614)

SYS@PROD1> host oerr ora 2097
02097, 00000, "parameter cannot be modified because specified value is invalid"
// *Cause: Though the initialization parameter is modifiable, the modified
//          value is not acceptable to the parameter.
// *Action: Check the DBA guide for range of acceptable values for this
//          parameter.

SYS@PROD1>
SYS@PROD1> host oerr ora 19803;
19803, 00000, "Parameter DB_RECOVERY_FILE_DEST_SIZE is out of range (1 - %s)"
// *Cause: Parameter DB_RECOVERY_FILE_DEST_SIZE specified was not valid.
// *Action: Specify a valid number within the range.

SYS@PROD1>
尝试reset（默认值就是0），并重启库查看效果
SYS@PROD1> alter system reset db_recovery_file_dest_size;

System altered.

SYS@PROD1> show parameter db_recovery_file_dest

NAME                                TYPE                                VALUE
-----
db_recovery_file_dest                string
db_recovery_file_dest_size           big integer
                                     4G
                                     r

SYS@PROD1> shutdown immediate
ORA-01109: database not open

Database dismounted.
ORACLE instance shut down.
SYS@PROD1> startup mount
ORACLE instance started.

Total System Global Area  941600768 bytes

```

```
Fixed Size          1348860 bytes
Variable Size       704645892 bytes
Database Buffers    230686720 bytes
Redo Buffers        4919296 bytes
Database mounted.
SYS@PROD1> show parameter db_recovery_file_dest
```

NAME	TYPE	VALUE
db_recovery_file_dest	string	
db_recovery_file_dest_size	big integer	0
	r	

SYS@PROD1>

3. rman 连接到auxiliary库报错

(1) ora-12158

```
[oracle@edbjr2p1 admin]$ export ORACLE_SID=PROD1
[oracle@edbjr2p1 admin]$ rman target / auxiliary sys/oracle@sbdb1
Recovery Manager: Release 11.2.0.3.0 - Production on Sat Mar 11 22:38:29 2017
Copyright (c) 1982, 2011, Oracle and/or its affiliates. All rights reserved.
connected to target database: PROD1 (DBID=2082231315)
RMAN-00571: =====
RMAN-00569: ===== ERROR MESSAGE STACK FOLLOWS =====
RMAN-00571: =====
RMAN-00554: initialization of internal recovery manager package failed
RMAN-04006: error from auxiliary database: ORA-12528: TNS:listener: all appropriate instances are blocking new connections
[oracle@edbjr2p1 admin]$
[oracle@edbjr2p1 admin]$ rman target / auxiliary sys/oracle@sbdb1
Recovery Manager: Release 11.2.0.3.0 - Production on Sat Mar 11 22:52:27 2017
Copyright (c) 1982, 2011, Oracle and/or its affiliates. All rights reserved.
connected to target database: PROD1 (DBID=2082231315)
RMAN-00571: =====
RMAN-00569: ===== ERROR MESSAGE STACK FOLLOWS =====
RMAN-00571: =====
RMAN-00554: initialization of internal recovery manager package failed
RMAN-04006: error from auxiliary database: ORA-12528: TNS:listener: all appropriate instances are blocking new connections
[oracle@edbjr2p1 admin]$
[oracle@edbjr2p1 admin]$ oerr ora 12528
12528, 00000, "TNS:listener: all appropriate instances are blocking new connections"
// *Cause: All instances supporting the service requested by the client
// reported that they were blocking the new connections. This condition may be
// temporary, such as at instance startup.
// *Action: Attempt the connection again. If error persists, then contact the
// administrator to check the status of the instances.
[oracle@edbjr2p1 admin]$
```

解决方法：

报错信息已经很明显了

是备库的监听文件有问题

具体哪有问题不清楚

我把listener.ora和tnsnames.ora都删了重建

之后就能连了

1) 一种可能是因为备库的监听状态SBDB1为BLOCKED，需要在备库的tnsnames.ora文件中的PROD1别名的connect_data中添加一条(ur=a)，这样及时服务状态为BLOCKED，RMAN也能连接到auxiliary库。

2) 另一种情况：确定是listener.ora的问题

SID_LIST_LISTENER=

(SID_LIST=

(SID_DESC=

(GLOBAL_DBNAME=SBDB1.us.example.com)

```
(ORACLE_HOME=/u01/app/oracle/product/11.2.0/db_1)
(SID_NAME=SBDB1))
)
```

以上是从奇数机的listener.ora文件粘贴过来的，将PROD1替换成SBDB1，dbhome_1换成db_1则报错

若是手打则不报错

这是手打的：

```
SID_LIST_LISTENER=
(SID_LIST=
(SID_DESC=
(GLOBAL_DBNAME=SBDB1.us.oracle.com)
(ORACLE_HOME=/u01/app/oracle/product/11.2.0/db_1)
(SID_NAME=SBDB1)))
```

能看出有什么区别吗？

GLOBAL_DBNAME应该为SBDB1.us.oracle.com，而不是SBDB1.us.example.com.

(2) ora-12154

```
[oracle@edbjr2p1 dbs]$ rman target / auxiliary sys/oracle@sbdb1
```

Recovery Manager: Release 11.2.0.3.0 - Production on Mon Mar 20 11:30:54 2017

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connected to target database: PROD1 (DBID=2082231315)

```
RMAN-00571: =====
```

```
RMAN-00569: ===== ERROR MESSAGE STACK FOLLOWS =====
```

```
RMAN-00571: =====
```

```
RMAN-00554: initialization of internal recovery manager package failed
```

```
RMAN-04006: error from auxiliary database: ORA-12154: TNS:could not resolve the connect identifier specified
```

```
[oracle@edbjr2p1 dbs]$
```

这里的报错提示实际上误导了我，说是备库的问题，而我仔细检查了备库的监听配置好几遍，都没有发现哪里有问题。

最后发现问题出现在主库的监听配置上

备库的监听配置：

```
[oracle@edbjr2p2 admin]$ cat listener.ora
```

```
# listener.ora Network Configuration File: /u01/app/oracle/product/11.2.0/db_1/network/admin/listener.ora
```

```
# Generated by Oracle configuration tools.
```

```
LISTENER =
```

```
(DESCRIPTION_LIST =
```

```
(DESCRIPTION =
```

```
(ADDRESS = (PROTOCOL = TCP) (HOST = edbjr2p2.example.com) (PORT = 1521))
```

```
)
```

```
)
```

```
SID_LIST_LISTENER=
```

```
(SID_LIST=
```

```
(SID_DESC=
```

```
(GLOBAL_DBNAME=SBDB1.us.oracle.com)
```

```
(ORACLE_HOME=/u01/app/oracle/product/11.2.0/db_1)
```

```
(SID_NAME=SBDB1))
```

```
)
```

```
[oracle@edbjr2p2 admin]$
```

```
[oracle@edbjr2p2 admin]$ cat tnsnames.ora
```

```
# tnsnames.ora Network Configuration File: /u01/app/oracle/product/11.2.0/db_1/network/admin/tnsnames.ora
```

```
# Generated by Oracle configuration tools.
```

```
PROD1 =
```

```
(DESCRIPTION =
```

```
(ADDRESS_LIST =
```

```
(ADDRESS = (PROTOCOL = TCP) (HOST = edbjr2p1.example.com) (PORT = 1521))
```

```
)
```

```
(CONNECT_DATA =
```

```
(SERVER = DEDICATED)
```

```
(SERVICE_NAME = PROD1.us.oracle.com)
```

```
)
```

```
)
```

```
[oracle@edbjr2p2 admin]$
从备库能连接到主库，说明备库的TNSNAMES.ora配置没有问题：
[oracle@edbjr2p2 admin]$ sqlplus sys/oracle@prod1 as sysdba
SQL*Plus: Release 11.2.0.3.0 Production on Mon Mar 20 15:37:30 2017
Copyright (c) 1982, 2011, Oracle. All rights reserved.
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
SYS@prod1>
SYS@prod1> exit
```

而从主库连接不到备库，这就说明是主库配置的问题：

```
[oracle@edbjr2p1 admin]$ sqlplus sys/oracle@sbdb1 as sysdba
SQL*Plus: Release 11.2.0.3.0 Production on Mon Mar 20 15:39:29 2017
Copyright (c) 1982, 2011, Oracle. All rights reserved.
ERROR:
ORA-12154: TNS:could not resolve the connect identifier specified
Enter user-name:
ERROR:
ORA-01017: invalid username/password; logon denied
Enter user-name:
ERROR:
ORA-01017: invalid username/password; logon denied
SP2-0157: unable to CONNECT to ORACLE after 3 attempts, exiting SQL*Plus
[oracle@edbjr2p1 admin]$ vi tnsnames.ora
```

修改主库的tnsnames.ora后（重新配置SBDB1别名），能连接了：

```
[oracle@edbjr2p1 admin]$ sqlplus sys/oracle@sbdb1 as sysdba
SQL*Plus: Release 11.2.0.3.0 Production on Mon Mar 20 15:44:32 2017
Copyright (c) 1982, 2011, Oracle. All rights reserved.
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
SYS@sbdb1>
```

RMAN也能连接auxiliary了：

```
[oracle@edbjr2p1 admin]$ p1
[oracle@edbjr2p1 admin]$ rman target / auxiliary sys/oracle@sbdb1
Recovery Manager: Release 11.2.0.3.0 - Production on Mon Mar 20 15:45:06 2017
Copyright (c) 1982, 2011, Oracle and/or its affiliates. All rights reserved.
connected to target database: PROD1 (DBID=2082231315)
connected to auxiliary database: PROD1 (not mounted)
RMAN> exit
Recovery Manager complete.
[oracle@edbjr2p1 admin]$
```

问题解决

ps 另附一个小问题：此时查看备库的监听状态，发现SBDB1服务有一个是BLOCKED的状态，而主库退出RMAN，再连接却还是能连到auxiliary（有点不理解，为什么有时候不能连，需要做一些配置，而这次却能连，也没有配置(UR=A)啊？）

```
[oracle@edbjr2p2 admin]$ lsnrctl status
LSNRCTL for Linux: Version 11.2.0.3.0 - Production on 20-MAR-2017 16:00:06
Copyright (c) 1991, 2011, Oracle. All rights reserved.
Connecting to (DESCRIPTION=(ADDRESS=(PROTOCOL=TCP) (HOST=edbjr2p2.example.com) (PORT=1521)))
STATUS of the LISTENER
```

```
-----
Alias                LISTENER
Version              TNSLSNR for Linux: Version 11.2.0.3.0 - Production
Start Date           20-MAR-2017 15:35:50
Uptime                0 days 0 hr. 24 min. 15 sec
Trace Level           off
Security              ON: Local OS Authentication
SNMP                  OFF
```

```

Listener Parameter File  /u01/app/oracle/product/11.2.0/db_1/network/admin/listener.ora
Listener Log File       /u01/app/oracle/diag/tnslsnr/edbjr2p2/listener/alert/log.xml
Listening Endpoints Summary...
  (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=edbjr2p2.example.com)(PORT=1521)))
Services Summary...
Service "+ASM" has 1 instance(s).
  Instance "+ASM", status READY, has 1 handler(s) for this service...
Service "PROD3.us.oracle.com" has 1 instance(s).
  Instance "PROD3", status READY, has 1 handler(s) for this service...
Service "PROD3XDB.us.oracle.com" has 1 instance(s).
  Instance "PROD3", status READY, has 1 handler(s) for this service...
Service "PROD4.us.oracle.com" has 1 instance(s).
  Instance "PROD4", status READY, has 1 handler(s) for this service...
Service "PROD4XDB.us.oracle.com" has 1 instance(s).
  Instance "PROD4", status READY, has 1 handler(s) for this service...
Service "SBDB1.us.oracle.com" has 2 instance(s).
  Instance "SBDB1", status UNKNOWN, has 1 handler(s) for this service...
  Instance "SBDB1", status BLOCKED, has 1 handler(s) for this service...
The command completed successfully
[oracle@edbjr2p2 admin]$
[oracle@edbjr2p1 admin]$ rman target / auxiliary sys/oracle@sbdb1
Recovery Manager: Release 11.2.0.3.0 - Production on Mon Mar 20 15:59:18 2017
Copyright (c) 1982, 2011, Oracle and/or its affiliates. All rights reserved.
connected to target database: PROD1 (DBID=2082231315)
connected to auxiliary database: PROD1 (not mounted)
RMAN> exit
Recovery Manager complete.
[oracle@edbjr2p1 admin]$ rman target / auxiliary sys/oracle@sbdb1
Recovery Manager: Release 11.2.0.3.0 - Production on Mon Mar 20 16:03:28 2017
Copyright (c) 1982, 2011, Oracle and/or its affiliates. All rights reserved.
connected to target database: PROD1 (DBID=2082231315)
connected to auxiliary database: PROD1 (not mounted)
RMAN> exit
Recovery Manager complete.
[oracle@edbjr2p1 admin]$

```

4. RMAN duplicate后，验证备库有没有成功创建，检查到oradata/SBDB1下的文件都有了，v\$database数据字典的内容状态也都对的，但是备库archive log list却没有与主库同步，主库已经alter system switch logfile了，备库却没有反应。

（原因是备库RFS进程未启动，主库LNS进程未启动）

```

SYS@SBDB1> archive log list;
Database log mode          Archive Mode
Automatic archival         Enabled
Archive destination        /home/oracle/flash/
Oldest online log sequence 0
Next log sequence to archive 0
Current log sequence       0
SYS@SBDB1>
查看主库进程信息：
SYS@PROD1> select process, pid, status, client_process from v$managed_standby;

```

查看备库归档无信息，RFS进程没有运行：

```

SYS@SBDB1> select process, pid, status, client_process from v$managed_standby;

```

PROCESS	PID	STATUS	CLIENT_P
ARCH	14613	CONNECTED	ARCH
ARCH	14615	CONNECTED	ARCH
ARCH	14617	CONNECTED	ARCH
ARCH	14621	CONNECTED	ARCH

ARCH	14625	CONNECTED	ARCH
ARCH	14627	CONNECTED	ARCH
ARCH	14629	CONNECTED	ARCH
ARCH	14631	CONNECTED	ARCH
ARCH	14633	CONNECTED	ARCH
ARCH	14635	CONNECTED	ARCH
ARCH	14637	CONNECTED	ARCH

PROCESS	PID	STATUS	CLIENT_P
---------	-----	--------	----------

ARCH	14639	CONNECTED	ARCH
ARCH	14641	CONNECTED	ARCH
ARCH	14643	CONNECTED	ARCH
ARCH	14645	CONNECTED	ARCH
ARCH	14647	CONNECTED	ARCH
ARCH	14649	CONNECTED	ARCH
ARCH	14654	CONNECTED	ARCH
ARCH	14658	CONNECTED	ARCH
ARCH	14660	CONNECTED	ARCH
ARCH	14662	CONNECTED	ARCH
ARCH	14664	CONNECTED	ARCH

PROCESS	PID	STATUS	CLIENT_P
---------	-----	--------	----------

ARCH	14666	CONNECTED	ARCH
ARCH	14668	CONNECTED	ARCH
ARCH	14670	CONNECTED	ARCH
ARCH	14672	CONNECTED	ARCH
ARCH	14674	CONNECTED	ARCH
ARCH	14678	CONNECTED	ARCH
ARCH	14680	CONNECTED	ARCH
ARCH	14682	CONNECTED	ARCH

30 rows selected.

SYS@SBDB1> archive log list;

Database log mode	Archive Mode
Automatic archival	Enabled
Archive destination	/home/oracle/flash/
Oldest online log sequence	0
Next log sequence to archive	0
Current log sequence	0

SYS@SBDB1> archive log list;

Database log mode	Archive Mode
Automatic archival	Enabled
Archive destination	/home/oracle/flash/
Oldest online log sequence	0
Next log sequence to archive	0
Current log sequence	0

SYS@SBDB1>

SYS@SBDB1> archive log list;

Database log mode	Archive Mode
Automatic archival	Enabled
Archive destination	/home/oracle/flash/
Oldest online log sequence	0
Next log sequence to archive	0
Current log sequence	0

备库告警日志内容如下：

Clearing online log 1 of thread 1 sequence number 61

Errors in file /u01/app/oracle/diag/rdbms/sbdb1/SBDB1/trace/SBDB1_ora_14580.trc:

ORA-00313: open failed for members of log group 1 of thread 1

ORA-00312: online log 1 thread 1: '/u01/app/oracle/oradata/SBDB1/redo01.log'
ORA-27037: unable to obtain file status
Linux Error: 2: No such file or directory
Additional information: 3
Errors in file /u01/app/oracle/diag/rdbms/sbdb1/SBDB1/trace/SBDB1_ora_14580.trc:
ORA-00313: open failed for members of log group 1 of thread 1
ORA-00312: online log 1 thread 1: '/u01/app/oracle/oradata/SBDB1/redo01.log'
ORA-27037: unable to obtain file status
Linux Error: 2: No such file or directory
Additional information: 3
Completed: alter database clear logfile group 1
alter database clear logfile group 2
Clearing online log 2 of thread 1 sequence number 62
Errors in file /u01/app/oracle/diag/rdbms/sbdb1/SBDB1/trace/SBDB1_ora_14580.trc:
ORA-00313: open failed for members of log group 2 of thread 1
ORA-00312: online log 2 thread 1: '/u01/app/oracle/oradata/SBDB1/redo02.log'
ORA-27037: unable to obtain file status
Linux Error: 2: No such file or directory
Additional information: 3
Errors in file /u01/app/oracle/diag/rdbms/sbdb1/SBDB1/trace/SBDB1_ora_14580.trc:
ORA-00313: open failed for members of log group 2 of thread 1
ORA-00312: online log 2 thread 1: '/u01/app/oracle/oradata/SBDB1/redo02.log'
ORA-27037: unable to obtain file status
Linux Error: 2: No such file or directory
Additional information: 3
Completed: alter database clear logfile group 2
alter database clear logfile group 3
Clearing online log 3 of thread 1 sequence number 63
Errors in file /u01/app/oracle/diag/rdbms/sbdb1/SBDB1/trace/SBDB1_ora_14580.trc:
ORA-00313: open failed for members of log group 3 of thread 1
ORA-00312: online log 3 thread 1: '/u01/app/oracle/oradata/SBDB1/redo03.log'
ORA-27037: unable to obtain file status
Linux Error: 2: No such file or directory
Additional information: 3
Errors in file /u01/app/oracle/diag/rdbms/sbdb1/SBDB1/trace/SBDB1_ora_14580.trc:
ORA-00313: open failed for members of log group 3 of thread 1
ORA-00312: online log 3 thread 1: '/u01/app/oracle/oradata/SBDB1/redo03.log'
ORA-27037: unable to obtain file status
Linux Error: 2: No such file or directory
Additional information: 3
Completed: alter database clear logfile group 3
alter database clear logfile group 4
Clearing online log 4 of thread 0 sequence number 0
Errors in file /u01/app/oracle/diag/rdbms/sbdb1/SBDB1/trace/SBDB1_ora_14580.trc:
ORA-00313: open failed for members of log group 4 of thread 0
ORA-00312: online log 4 thread 0: '/u01/app/oracle/oradata/SBDB1/redo04.log'
ORA-27037: unable to obtain file status
Linux Error: 2: No such file or directory
Additional information: 3
Errors in file /u01/app/oracle/diag/rdbms/sbdb1/SBDB1/trace/SBDB1_ora_14580.trc:
ORA-00313: open failed for members of log group 4 of thread 0
ORA-00312: online log 4 thread 0: '/u01/app/oracle/oradata/SBDB1/redo04.log'
ORA-27037: unable to obtain file status
Linux Error: 2: No such file or directory
Additional information: 3
Completed: alter database clear logfile group 4
alter database clear logfile group 5
Clearing online log 5 of thread 0 sequence number 0


```

Errors in file /u01/app/oracle/diag/rdbms/sbdb1/SBDB1/trace/SBDB1_ora_14580.trc:
ORA-00313: open failed for members of log group 5 of thread 0
ORA-00312: online log 5 thread 0: '/u01/app/oracle/oradata/SBDB1/redo05.log'
ORA-27037: unable to obtain file status
Linux Error: 2: No such file or directory
Additional information: 3
Errors in file /u01/app/oracle/diag/rdbms/sbdb1/SBDB1/trace/SBDB1_ora_14580.trc:
ORA-00313: open failed for members of log group 5 of thread 0
ORA-00312: online log 5 thread 0: '/u01/app/oracle/oradata/SBDB1/redo05.log'
ORA-27037: unable to obtain file status
Linux Error: 2: No such file or directory
Additional information: 3
Completed: alter database clear logfile group 5
alter database clear logfile group 6
Clearing online log 6 of thread 0 sequence number 0
Errors in file /u01/app/oracle/diag/rdbms/sbdb1/SBDB1/trace/SBDB1_ora_14580.trc:
ORA-00313: open failed for members of log group 6 of thread 0
ORA-00312: online log 6 thread 0: '/u01/app/oracle/oradata/SBDB1/redo06.log'
ORA-27037: unable to obtain file status
Linux Error: 2: No such file or directory
Additional information: 3
Errors in file /u01/app/oracle/diag/rdbms/sbdb1/SBDB1/trace/SBDB1_ora_14580.trc:
ORA-00313: open failed for members of log group 6 of thread 0
ORA-00312: online log 6 thread 0: '/u01/app/oracle/oradata/SBDB1/redo06.log'
ORA-27037: unable to obtain file status
Linux Error: 2: No such file or directory
Additional information: 3
Completed: alter database clear logfile group 6
alter database clear logfile group 7
Clearing online log 7 of thread 0 sequence number 0
Errors in file /u01/app/oracle/diag/rdbms/sbdb1/SBDB1/trace/SBDB1_ora_14580.trc:
ORA-00313: open failed for members of log group 7 of thread 0
ORA-00312: online log 7 thread 0: '/u01/app/oracle/oradata/SBDB1/redo07.log'
ORA-27037: unable to obtain file status
Linux Error: 2: No such file or directory
Additional information: 3
Errors in file /u01/app/oracle/diag/rdbms/sbdb1/SBDB1/trace/SBDB1_ora_14580.trc:
ORA-00313: open failed for members of log group 7 of thread 0
ORA-00312: online log 7 thread 0: '/u01/app/oracle/oradata/SBDB1/redo07.log'
ORA-27037: unable to obtain file status
Linux Error: 2: No such file or directory
Additional information: 3
Completed: alter database clear logfile group 7

```

RFS connections are allowed

本来以为是监听配置的有问题，后来什么也没动，它自己就好了

从告警日志中可以看出是数据库自己修复好了

```
alter database clear logfile group 1 ... 7;
```

以上命令重建了redo日志组

解决方法:

法1备库执行shutdown immediate, 再startup

法2手动清除日志（系统会自动重建日志组）

5. ORA-01097: cannot shutdown while in a transaction - commit or rollback first

```

SYS@SBDB1> create table HR.DG_TEST(D_ID NUMBER);
insert into HR.DG_TEST VALUES(1);
commit;
insert into HR.DG_TEST VALUES(2);
commit;

```

```

Table created.
SYS@SBDB1>
1 row created.
SYS@SBDB1>
Commit complete.
SYS@SBDB1>
1 row created.
SYS@SBDB1> select * from hr.dg_test;
commit;select * from hr.dg_test
      *
ERROR at line 1:
ORA-00911: invalid character
SYS@SBDB1>
SYS@SBDB1> select * from hr.dg_test;
      D_ID
-----
         1
         2
SYS@SBDB1>
SYS@SBDB1> shutdown immediate
ORA-01097: cannot shutdown while in a transaction - commit or rollback first
SYS@SBDB1> shutdown immediate
ORA-01097: cannot shutdown while in a transaction - commit or rollback first
SYS@SBDB1>
SYS@SBDB1> commit;

```

6. 几个关于场景7的问题：

- 1) 最后开启fast_start failover的时候设置的db_flashback_retention_target的值有什么要求吗，一定要是2880吗，1440不行吗？
- 2) 同上，undo_retention参数的值有什么要求吗，一定要是3600吗，前面场景设置好的5400不行吗？

ps 附oerr中关于开启fast_start failover的要求：

```

[oracle@edbjr2p1 ~]$ oerr ora 16651
16651, 0000, "requirements not met for enabling fast-start failover"
// *Cause: The attempt to enable fast-start failover could not be completed
//          because one or more requirements were not met:
//          - The Data Guard configuration must be in either MaxAvailability
//            or MaxPerformance protection mode.
//          - The LogXptMode property for both the primary database and
//            the fast-start failover target standby database must be
//            set to SYNC if the configuration protection mode is set to
//            MaxAvailability mode.
//          - The LogXptMode property for both the primary database and
//            the fast-start failover target standby database must be
//            set to ASYNC if the configuration protection mode is set to
//            MaxPerformance mode.
//          - The primary database and the fast-start failover target standby
//            database must both have flashback enabled.
//          - No valid target standby database was specified in the primary
//            database FastStartFailoverTarget property prior to the attempt
//            to enable fast-start failover, and more than one standby
//            database exists in the Data Guard configuration.
// *Action: Retry the command after correcting the issue:
//          - Set the Data Guard configuration to either MaxAvailability
//            or MaxPerformance protection mode.
//          - Ensure that the LogXptMode property for both the primary
//            database and the fast-start failover target standby database
//            are set to SYNC if the configuration protection mode is set to
//            MaxAvailability.
//          - Ensure that the LogXptMode property for both the primary

```

```
//      database and the fast-start failover target standby database
//      are set to ASYNC if the configuration protection mode is set to
//      MaxPerformance.
//      - Ensure that both the primary database and the fast-start failover
//      target standby database have flashback enabled.
//      - Set the primary database FastStartFailoverTarget property to
//      the DB_UNIQUE_NAME value of the desired target standby database
//      and the desired target standby database FastStartFailoverTarget
//      property to the DB_UNIQUE_NAME value of the primary database.
[oracle@edbjr2p1 ~]$
```

7. 场景7 ORA-600

今天做场景7的时候遇到了ORA-600，在备库执行了recover managed standby database using current logfile disconnect from session后，在主库创建了测试表t，并插入数据，提交，但是在备库SBDB1查不到表t，说表不存在，备库告警日志中显示undotbs01.dbf有问题，recover并没有完成实时应用。ora-600错误发生。（原因猜测：在备库执行了recover，cancel，之后有clear logfile group 1... 7，可能破坏了重做日志？）SBDB1告警日志内容如下：

```
ALTER DATABASE RECOVER managed standby database cancel
Wed Mar 22 15:35:45 2017
MRP0: Background Media Recovery cancelled with status 16037
Errors in file /u01/app/oracle/diag/rdbms/sbdb1/SBDB1/trace/SBDB1_mrp0_19375.trc:
ORA-16037: user requested cancel of managed recovery operation
Managed Standby Recovery not using Real Time Apply
Recovery interrupted!
MRP0: Background Media Recovery process shutdown (SBDB1)
Wed Mar 22 15:35:46 2017
Managed Standby Recovery Canceled (SBDB1)
Completed: ALTER DATABASE RECOVER managed standby database cancel
alter database clear logfile group 1
Clearing online log 1 of thread 1 sequence number 70
Completed: alter database clear logfile group 1
alter database clear logfile group 2
Clearing online log 2 of thread 1 sequence number 71
Completed: alter database clear logfile group 2
alter database clear logfile group 3
Clearing online log 3 of thread 1 sequence number 66
Completed: alter database clear logfile group 3
alter database clear logfile group 4
Clearing online log 4 of thread 1 sequence number 71
Completed: alter database clear logfile group 4
alter database clear logfile group 5
Clearing online log 5 of thread 1 sequence number 0
Wed Mar 22 15:35:51 2017
Errors in file /u01/app/oracle/diag/rdbms/sbdb1/SBDB1/trace/SBDB1_rfs_19500.trc:
ORA-00345: redo log write error block 85 count 1
ORA-00312: online log 4 thread 1: '/u01/app/oracle/oradata/SBDB1/redo04.log'
ORA-17611: ksfd: file '' cannot be accessed, global open closed
Errors in file /u01/app/oracle/diag/rdbms/sbdb1/SBDB1/trace/SBDB1_rfs_19500.trc:
ORA-00345: redo log write error block 85 count 1
ORA-00312: online log 4 thread 1: '/u01/app/oracle/oradata/SBDB1/redo04.log'
ORA-17611: ksfd: file '' cannot be accessed, global open closed
Completed: alter database clear logfile group 5
alter database clear logfile group 6
Clearing online log 6 of thread 0 sequence number 0
Completed: alter database clear logfile group 6
alter database clear logfile group 7
Clearing online log 7 of thread 0 sequence number 0
Completed: alter database clear logfile group 7
Wed Mar 22 15:41:25 2017
```

RFS[9]: Assigned to RFS process 19901
RFS[9]: Selected log 4 for thread 1 sequence 71 dbid 2082231315 branch 860888149
Wed Mar 22 15:41:25 2017
Primary database is in MAXIMUM PERFORMANCE mode
RFS[10]: Assigned to RFS process 19903
RFS[10]: Selected log 5 for thread 1 sequence 72 dbid 2082231315 branch 860888149
Wed Mar 22 15:41:25 2017
Archived Log entry 9 added for thread 1 sequence 71 ID 0x7c1d2413 dest 1:
Wed Mar 22 15:42:38 2017
RFS[10]: Selected log 4 for thread 1 sequence 73 dbid 2082231315 branch 860888149
Wed Mar 22 15:42:38 2017
Archived Log entry 10 added for thread 1 sequence 72 ID 0x7c1d2413 dest 1:
Wed Mar 22 15:42:59 2017
RFS[10]: Selected log 5 for thread 1 sequence 74 dbid 2082231315 branch 860888149
Wed Mar 22 15:42:59 2017
Archived Log entry 11 added for thread 1 sequence 73 ID 0x7c1d2413 dest 1:
Wed Mar 22 15:43:45 2017
ALTER DATABASE RECOVER managed standby database using current logfile disconnect from session
Attempt to start background Managed Standby Recovery process (SBDB1)
Wed Mar 22 15:43:45 2017
MRP0 started with pid=80, OS id=20074
MRP0: Background Managed Standby Recovery process started (SBDB1)
Serial Media Recovery started
Managed Standby Recovery starting Real Time Apply
Waiting for all non-current ORLs to be archived...
All non-current ORLs have been archived.
Media Recovery Log /home/oracle/flash/l_69_860888149.arc
Hex dump of (file 3, block 224) in trace file /u01/app/oracle/diag/rdbms/sbdb1/SBDB1/trace/SBDB1_mrp0_20074.trc
Reading datafile '/u01/app/oracle/oradata/SBDB1/undotbs01.dbf' for corruption at rdba: 0x00c000e0 (file 3, block 224)
Reread (file 3, block 224) found same corrupt data (logically corrupt)
Errors in file /u01/app/oracle/diag/rdbms/sbdb1/SBDB1/trace/SBDB1_mrp0_20074.trc (incident=641):
ORA-00353: log corruption near block 3679 change 1889140 time 01/01/1988 00:24:51
ORA-00334: archived log: '/home/oracle/flash/l_68_860888149.arc'
ORA-10567: Redo is inconsistent with data block (file# 3, block# 224, file offset is 1835008 bytes)
ORA-10564: tablespace UNDOTBS1
ORA-01110: data file 3: '/u01/app/oracle/oradata/SBDB1/undotbs01.dbf'
ORA-10560: block type 'KTU SMU HEADER BLOCK'
Incident details in: /u01/app/oracle/diag/rdbms/sbdb1/SBDB1/incident/incdir_641/SBDB1_mrp0_20074_i641.trc
Completed: ALTER DATABASE RECOVER managed standby database using current logfile disconnect from session
Wed Mar 22 15:43:52 2017
Dumping diagnostic data in directory=[cdmp_20170322154352], requested by (instance=1, osid=20074 (MRP0)), summary=[incident=641].
Errors in file /u01/app/oracle/diag/rdbms/sbdb1/SBDB1/trace/SBDB1_mrp0_20074.trc (incident=642):
ORA-00356: inconsistent lengths in change description
ORA-00353: log corruption near block 3679 change 1889140 time 01/01/1988 00:24:51
ORA-00334: archived log: '/home/oracle/flash/l_68_860888149.arc'
ORA-10567: Redo is inconsistent with data block (file# 3, block# 224, file offset is 1835008 bytes)
ORA-10564: tablespace UNDOTBS1
ORA-01110: data file 3: '/u01/app/oracle/oradata/SBDB1/undotbs01.dbf'
ORA-10560: block type 'KTU SMU HEADER BLOCK'
Incident details in: /u01/app/oracle/diag/rdbms/sbdb1/SBDB1/incident/incdir_642/SBDB1_mrp0_20074_i642.trc
Wed Mar 22 15:43:53 2017
Sweep [inc][642]: completed
Wed Mar 22 15:43:53 2017
Sweep [inc][641]: completed
Errors in file /u01/app/oracle/diag/rdbms/sbdb1/SBDB1/trace/SBDB1_mrp0_20074.trc:
ORA-00356: inconsistent lengths in change description
ORA-00353: log corruption near block 3679 change 1889140 time 01/01/1988 00:24:51
ORA-00334: archived log: '/home/oracle/flash/l_68_860888149.arc'

```

ORA-10567: Redo is inconsistent with data block (file# 3, block# 224, file offset is 1835008 bytes)
ORA-10564: tablespace UNDOTBS1
ORA-01110: data file 3: '/u01/app/oracle/oradata/SBDB1/undotbs01.dbf'
ORA-10560: block type 'KTU SMU HEADER BLOCK'
Errors in file /u01/app/oracle/diag/rdbms/sbdb1/SBDB1/trace/SBDB1_mrp0_20074.trc:
ORA-00339: archived log does not contain any redo
ORA-00334: archived log: '/u01/app/oracle/oradata/SBDB1/redo02.log'
ORA-10567: Redo is inconsistent with data block (file# 3, block# 224, file offset is 1835008 bytes)
ORA-10564: tablespace UNDOTBS1
ORA-01110: data file 3: '/u01/app/oracle/oradata/SBDB1/undotbs01.dbf'
ORA-10560: block type 'KTU SMU HEADER BLOCK'
Errors in file /u01/app/oracle/diag/rdbms/sbdb1/SBDB1/trace/SBDB1_mrp0_20074.trc (incident=643):
ORA-00600: internal error code, arguments: [3020], [3], [224], [12583136], [], [], [], [], [], [], []
ORA-10567: Redo is inconsistent with data block (file# 3, block# 224, file offset is 1835008 bytes)
ORA-10564: tablespace UNDOTBS1
ORA-01110: data file 3: '/u01/app/oracle/oradata/SBDB1/undotbs01.dbf'
ORA-10560: block type 'KTU SMU HEADER BLOCK'
Incident details in: /u01/app/oracle/diag/rdbms/sbdb1/SBDB1/incident/incdir_643/SBDB1_mrp0_20074_i643.trc
Dumping diagnostic data in directory=[cdmp_20170322154354], requested by (instance=1, osid=20074 (MRP0)), summary=[incident=642].
Use ADRCI or Support Workbench to package the incident.
See Note 411.1 at My Oracle Support for error and packaging details.
MRP0: Background Media Recovery terminated with error 600
Errors in file /u01/app/oracle/diag/rdbms/sbdb1/SBDB1/trace/SBDB1_mrp0_20074.trc:
ORA-00600: internal error code, arguments: [3020], [3], [224], [12583136], [], [], [], [], [], [], []
ORA-10567: Redo is inconsistent with data block (file# 3, block# 224, file offset is 1835008 bytes)
ORA-10564: tablespace UNDOTBS1
ORA-01110: data file 3: '/u01/app/oracle/oradata/SBDB1/undotbs01.dbf'
ORA-10560: block type 'KTU SMU HEADER BLOCK'
Managed Standby Recovery not using Real Time Apply
Recovery interrupted!
Recovered data files to a consistent state at change 1889900
Dumping diagnostic data in directory=[cdmp_20170322154355], requested by (instance=1, osid=20074 (MRP0)), summary=[incident=643].
Wed Mar 22 15:44:55 2017
Sweep [inc][643]: completed
Sweep [inc2][643]: completed
Sweep [inc2][642]: completed
Sweep [inc2][641]: completed

```

8. 场景1 在奇数机通过ssh连接偶数机 图形起不了

```

[oracle@edbjr2p2 bin]$ pwd
/u01/app/11.2.0/grid/bin
[oracle@edbjr2p2 bin]$ ./asmca
DISPLAY not set.
Set DISPLAY environment variable, then re-run.
[oracle@edbjr2p2 bin]$
ssh退出去又重新连接了还是不行
[oracle@edbjr2p2 bin]$ export DISPLAY=192.0.2.12:1.0
[oracle@edbjr2p2 bin]$ echo $DISPLAY
192.0.2.12:1.0
[oracle@edbjr2p2 bin]$ export DISPLAY=192.0.2.11:1.0
[oracle@edbjr2p2 bin]$ echo $DISPLAY
192.0.2.11:1.0
[oracle@edbjr2p2 bin]$ ./asmca
[oracle@edbjr2p2 bin]$
仍然不行
解决 方法 :
ssh -X edbjr2p2

```

9. OEM sysman/Oracle123 as SYSDBA登录不上, 报错密码错误

sysman/Oracle123 Normal则能成功登录。

10. 场景1配置完TNSNAMES.ora连接不上PROD3,

Connected.

```
SYS@emrep> conn sys/oracle@prod1_s as sysdba
```

Connected.

```
SYS@prod1_s> conn sys/oracle@prod3 as sysdba
```

ERROR:

ORA-01031: insufficient privileges

Warning: You are no longer connected to ORACLE.

```
@> conn /as sysdba
```

Connected.

```
SYS@PROD1> conn sys/oracle@prod3 as sysdba
```

ERROR:

ORA-01031: insufficient privileges

Warning: You are no longer connected to ORACLE.

```
@> conn / as sysdba
```

Connected.

```
SYS@PROD1> host oerr ora 1031
```

01031, 00000, "insufficient privileges"

```
// *Cause: An attempt was made to change the current username or password
//         without the appropriate privilege. This error also occurs if
//         attempting to install a database without the necessary operating
//         system privileges.
//         When Trusted Oracle is configure in DBMS MAC, this error may occur
//         if the user was granted the necessary privilege at a higher label
//         than the current login.
// *Action: Ask the database administrator to perform the operation or grant
//         the required privileges.
//         For Trusted Oracle users getting this error although granted the
//         the appropriate privilege at a higher label, ask the database
//         administrator to regrant the privilege at the appropriate label.
```

```
SYS@PROD1>
```

原因：建PROD3库的时候忘记建密码文件了

解决方法：

```
[oracle@edbjr2p2 dbs]$ orapwd file=orapwPROD3 password=oracle entries=30
[oracle@edbjr2p2 dbs]$ ls
hc_EMREP.dat  init.ora      lkPROD3      orapwPROD3    spfilePROD3.ora
hc_PROD3.dat  initPROD3.ora lkPROD4      orapwPROD4    spfilePROD4.ora
hc_PROD4.dat  lkEMREP      orapwEMREP   spfileEMREP.ora
[oracle@edbjr2p2 dbs]$
```

11. 场景2 HR.COUNTRIES表不能启动行迁移

REGIONS表和LOCATIONS表都能启动行迁移

```
HR@PROD1> alter table countries enable row movement;
```

```
alter table countries enable row movement
```

*

ERROR at line 1:

ORA-14066: illegal option for a non-partitioned index-organized table

```
HR@PROD1> host oerr ora 14066
```

14066, 00000, "illegal option for a non-partitioned index-organized table"

```
// *Cause: An attempt was made to issue a CREATE or ALTER TABLE
//         command on a non-partitioned IOT, but the command contains an
//         option that is legal only for partitioned index-organized tables.
//         Such options are: ENABLE ROW MOVEMENT and DISABLE ROW MOVEMENT.
```

```
// *Action: Remove the illegal option(s) from the command.
```

```
HR@PROD1>
```

```
HR@PROD1> set long 1000
```

```
HR@PROD1> set pagesize 1000
```

```
HR@PROD1> ;
```

```
1* select dbms_metadata.get_ddl('TABLE','COUNTRIES') from dual
```

```
HR@PROD1> /
```

```
DBMS_METADATA.GET_DDL('TABLE','COUNTRIES')
```

```
CREATE TABLE "HR"."COUNTRIES"
(
  "COUNTRY_ID" CHAR(2) CONSTRAINT "COUNTRY_ID_NN" NOT NULL ENABLE,
  "COUNTRY_NAME" VARCHAR2(40),
  "REGION_ID" NUMBER,
  CONSTRAINT "COUNTRY_C_ID_PK" PRIMARY KEY ("COUNTRY_ID") ENABLE,
  CONSTRAINT "COUNTR_REG_FK" FOREIGN KEY ("REGION_ID")
    REFERENCES "HR"."REGIONS" ("REGION_ID") ENABLE
) ORGANIZATION INDEX NOCOMPRESS PCTFREE 10 INITRANS 2 MAXTRANS 255 NOLOGGING
STORAGE(INITIAL 65536 NEXT 1048576 MINEXTENTS 1 MAXEXTENTS 2147483645
PCTINCREASE 0 FREELISTS 1 FREELIST GROUPS 1
BUFFER_POOL DEFAULT FLASH_CACHE DEFAULT CELL_FLASH_CACHE DEFAULT)
TABLESPACE "EXAMPLE"
PCTTHRESHOLD 50
```

```
HR@PROD1>
```

```
HR@PROD1> select dbms_metadata.get_ddl('TABLE','REGIONS') from dual;
```

```
DBMS_METADATA.GET_DDL('TABLE','REGIONS')
```

```
CREATE TABLE "HR"."REGIONS"
(
  "REGION_ID" NUMBER CONSTRAINT "REGION_ID_NN" NOT NULL ENABLE,
  "REGION_NAME" VARCHAR2(25),
  CONSTRAINT "REG_ID_PK" PRIMARY KEY ("REGION_ID")
) USING INDEX PCTFREE 10 INITRANS 2 MAXTRANS 255 COMPUTE STATISTICS NOLOGGING
STORAGE(INITIAL 65536 NEXT 1048576 MINEXTENTS 1 MAXEXTENTS 2147483645
PCTINCREASE 0 FREELISTS 1 FREELIST GROUPS 1
BUFFER_POOL DEFAULT FLASH_CACHE DEFAULT CELL_FLASH_CACHE DEFAULT)
TABLESPACE "EXAMPLE" ENABLE
) SEGMENT CREATION IMMEDIATE
PCTFREE 10 PCTUSED 40 INITRANS 1 MAXTRANS 255
NOCOMPRESS NOLOGGING
STORAGE(INITIAL 65536 NEXT 1048576 MINEXTENTS 1 MAXEXTENTS 2147483645
PCTINCREASE 0 FREELISTS 1 FREELIST GROUPS 1
BUFFER_POOL DEFAULT FLASH_CACHE DEFAULT CELL_FLASH_CACHE DEFAULT)
TABLESPACE "EXAMPLE" ENABLE ROW MOVEMENT
```

```
HR@PROD1>
```

```
HR@PROD1> select dbms_metadata.get_ddl('TABLE','LOCATIONS') from dual;
```

```
DBMS_METADATA.GET_DDL('TABLE','LOCATIONS')
```

```
CREATE TABLE "HR"."LOCATIONS"
(
  "LOCATION_ID" NUMBER(4,0),
  "STREET_ADDRESS" VARCHAR2(40),
  "POSTAL_CODE" VARCHAR2(12),
  "CITY" VARCHAR2(30) CONSTRAINT "LOC_CITY_NN" NOT NULL ENABLE,
```

```

"STATE_PROVINCE" VARCHAR2(25),
"COUNTRY_ID" CHAR(2),
CONSTRAINT "LOC_ID_PK" PRIMARY KEY ("LOCATION_ID")
USING INDEX PCTFREE 10 INITRANS 2 MAXTRANS 255 COMPUTE STATISTICS NOLOGGING
STORAGE(INITIAL 65536 NEXT 1048576 MINEXTENTS 1 MAXEXTENTS 2147483645
PCTINCREASE 0 FREELISTS 1 FREELIST GROUPS 1
BUFFER_POOL DEFAULT FLASH_CACHE DEFAULT CELL_FLASH_CACHE DEFAULT)
TABLESPACE "EXAMPLE" ENABLE,
CONSTRAINT "LOC_C_ID_FK" FOREIGN KEY ("COUNTRY_ID")
REFERENCES "HR"."COUNTRIES" ("COUNTRY_ID") ENABLE
) SEGMENT CREATION IMMEDIATE
PCTFREE 10 PCTUSED 40 INITRANS 1 MAXTRANS 255
NOCOMPRESS NOLOGGING
STORAGE(INITIAL 65536 NEXT 1048576 MINEXTENTS 1 MAXEXTENTS 2147483645
PCTINCREASE 0 FREELISTS 1 FREELIST GROUPS 1
BUFFER_POOL DEFAULT FLASH_CACHE DEFAULT CELL_FLASH_CACHE DEFAULT)

```

HR@PROD1>

报错原因：

根据oerr提示，只有分区的索引组织表才能启动行迁移（其他非索引组织表也能启动行迁移），而COUNTRIES是非分区索引组织表，如何查看一个表是否分区表呢

HR@PROD1> select table_name, tablespace_name from user_tables where table_name in ('COUNTRIES','REGIONS','LOCATIONS');

TABLE_NAME	TABLESPACE_NAME
COUNTRIES	
LOCATIONS	EXAMPLE
REGIONS	EXAMPLE

HR@PROD1>

看到COUNTRIES的TABLESPACE_NAME列为空，说明COUNTRIES是分区表（其数据分布在好几个表空间中，故没有显示表空间名称）（存疑）

HR@PROD1>

HR@PROD1> select * from user_part_tables;

no rows selected

HR@PROD1> select * from user_tab_partitions;

no rows selected

HR@PROD1>

以上结果说明HR用户没有分区表，（COUNTRIES不是分区表）

HR@PROD1> ;

```

1* select table_name, tablespace_name, partitioned, iot_type from user_tables where table_name in
('COUNTRIES','LOCATIONS','REGIONS')

```

HR@PROD1> /

TABLE_NAME	TABLESPACE_NAME	PARTITIONED	IOT_TYPE
COUNTRIES		NO	IOT
LOCATIONS	EXAMPLE	NO	
REGIONS	EXAMPLE	NO	

HR@PROD1>

以上结果说明只有COUNTRIES是索引组织表

12. 研究一下每个场景的刷库脚本及tools里的脚本

1) init脚本

[oracle@edbjr2p1 Skillset]\$ cd init


```

[oracle@edbjr2p1 init]$ ls
crd.sh  modify_host.sh
[oracle@edbjr2p1 init]$ pwd
/home/oracle/Skillset/init
[oracle@edbjr2p1 init]$ cat crd.sh
#!/bin/bash

#####
#Creating Directory
#####
mkdir -p /home/oracle/files
echo "Creating directory /home/oracle/files is completed."
mkdir -p /home/oracle/temp
echo "Creating directory /home/oracle/temp is completed."
mkdir -p /home/oracle/flash
echo "Creating directory /home/oracle/flash is completed."
mkdir -p /home/oracle/scripts/previous_skillsets
echo "Creating directory /home/oracle/scripts/previous_skillsets is completed."
[oracle@edbjr2p1 init]$ cat modify_host.sh
#!/bin/bash

#####
#Initialization OCM 11g Exam environment
#####
echo "#####"
echo "Starting Initialization OCM 11g Exam environment script"
echo "Configuring Database Server Machine files, Please wait..."
#Modify Database Server hosts files
sed -i '5,$d' /etc/hosts
#read -p "Enter Database Server Machine IP address(e.g.:10.190.105.51): "
echo '192.0.2.11      edbjr2p1.example.com      edbjr2p1' >> /etc/hosts

#read -p "Enter Management Server Machine IP address(e.g.:10.190.105.52): "
echo '192.0.2.12      edbjr2p2.example.com      edbjr2p2' >> /etc/hosts

#Append RAC hosts
echo '192.0.2.101      host01.example.com      host01' >> /etc/hosts
echo '192.0.2.102      host02.example.com      host02' >> /etc/hosts

#Modify NFS Configuration(/etc/fstab)
sed "s#enmoedu2#edbjr2p2#g" /etc/fstab > /etc/fstab.temp
mv -f /etc/fstab.temp /etc/fstab
umount /u02/oradata/prod1
mount -a

#Modify Database Server network files
sed -i '3,$d' /etc/sysconfig/network
echo HOSTNAME=edbjr2p1 >> /etc/sysconfig/network
hostname edbjr2p1
service network restart > /dev/null 2>&1

echo "Startup Database PROD1 and PROD2, Please wait..."
#Operateing PROD1 database
su - oracle -c /home/oracle/Skillset/questions/tools/startupDS.sh > /dev/null 2>&1
echo "PROD1,PROD2 Database has opened successfully."

echo "Database Server Machine files have modified completed."
#Modify Management Server hosts files

```

echo "Configuring Management Server Machine files, Please wait..."

```
expect -c "  
    set timeout 30;  
    spawn scp /etc/hosts root@edbjr2p2:/etc;  
    expect {  
        yes/no {send \"yes\r\";exp_continue}  
        password {send \"ocml23\r\"}  
    };  
    expect eof;  
    spawn ssh root@edbjr2p2 -p 22;  
    expect {  
        password {send \"ocml23\r\"}  
    };  
    expect root@* {send \"sed -i '7,20d' /etc/hosts\r\"};  
    expect root@* {send \"sed -i '3,20d' /etc/sysconfig/network\r\"};  
    expect root@* {send \"echo HOSTNAME=edbjr2p2>>/etc/sysconfig/network\r\"};  
    expect root@* {send \"hostname edbjr2p2\r\"};  
    expect root@* {send \"service network restart\r\"};  
    expect root@* {send exit\r } ;  
    expect eof ;  
    "> /dev/null 2>&1
```

echo "Startup Datebase PROD4, EMREP and OMS, Please wait..."

```
expect -c "  
    set timeout 30;  
    spawn scp ../questions/tools/startupMS.sh ../questions/tools/restartMS.sh oracle@edbjr2p2:/home/oracle;  
    expect {  
        yes/no {send \"yes\r\";exp_continue}  
        password {send \"ocml23\r\"}  
    };  
    expect eof;  
    spawn ssh oracle@edbjr2p2 -p 22;  
    expect {  
        password {send \"ocml23\r\"}  
    };  
    expect oracle@* {send \"/home/oracle/startupMS.sh\r\" } ;  
    set timeout 300;  
    expect oracle@* {send \"rm -rf /home/oracle/startupMS.sh\r\" } ;  
    expect oracle@* {send exit\r } ;  
    expect eof;  
    spawn ssh root@edbjr2p2 -p 22;  
    expect {  
        password {send \"ocml23\r\"}  
    };  
    expect root@* {send \"/home/oracle/restartMS.sh\r\" } ;  
    expect root@* {send \"rm -rf /home/oracle/restartMS.sh\r\" } ;  
    expect root@* {send exit\r } ;  
    expect eof;  
    "> /dev/null 2>&1
```

echo "Initialization OCM 11g Exam environment successfully."

echo "#####"

[oracle@edbjr2p1 init]\$

2)

[oracle@edbjr2p1 Skillset]\$ cat initsec1.sh

#!/bin/bash

```
#####  
#Section1 initialization scrip  
#####
```

```

echo "Starting Section1 initialization process, please wait."
./init/crd.sh
mv ./questions/images /home/oracle/
cp ./questions/Skillset1/Skillset1.html /home/oracle/scripts/
#cp ./questions/Skillset1/pl2834800_112030_LINUX.zip /home/oracle/scripts/
echo "Startup Database PROD4, EMREP and OMS, Please wait..."
echo "change PROD1 db_domain"
export ORACLE_SID=PROD1
sqlplus / as sysdba <<EOF >/dev/null 2>&1
alter system set db_domain='us.oracle.com' scope=spfile;
startup force
EOF
echo "change PROD2 db_domain"
export ORACLE_SID=PROD2
sqlplus / as sysdba <<EOF >/dev/null 2>&1
alter system set db_domain='us.oracle.com' scope=spfile;
startup force
EOF
echo "upgrade PROD1 controlfile shutdown PROD1"
export ORACLE_SID=PROD1
sqlplus / as sysdba <<EOF >/dev/null 2>&1
shutdown immediate
EOF
echo "upgrade PROD1 controlfile start PROD1"
cp /u01/app/oracle/oradata/PROD1/control01.ctl /u01/app/oracle/fast_recovery_area/control02.ctl
rm -f /u01/app/oracle/oradata/PROD1/control02.ctl
export ORACLE_SID=PROD1
sqlplus / as sysdba <<EOF >/dev/null 2>&1
startup mount
alter system set control_files='/u01/app/oracle/oradata/PROD1/control01.ctl','/u01/app/oracle/fast_recovery_area/control02.ctl'
scope=spfile;
shutdown immediate
startup
EOF

echo "upgrade listener.ora"
cp ./questions/Skillset1/listener.ora /u01/app/oracle/product/11.2.0/dbhome_1/network/admin
lsnrctl reload
expect -c "
    set timeout 300;
    spawn scp ./questions/tools/startupPE.sh oracle@edbjr2p2:/home/oracle;
    expect {
        yes/no {send "\yes\r\n";exp_continue}
        password {send "\ocml23\r\n"}
    };
    expect eof;
    spawn scp ./questions/Skillset1/pl2834800_112030_LINUX.zip oracle@edbjr2p2:/home/oracle;
    expect {
        yes/no {send "\yes\r\n";exp_continue}
        password {send "\ocml23\r\n"}
    };
    expect eof;
    spawn ssh oracle@edbjr2p2 -p 22;
    expect {
        password {send "\ocml23\r\n"}
    };
    expect oracle@* {send "\home/oracle/startupPE.sh\r\n" } ;
    expect oracle@* {send "\rm -rf /home/oracle/startupPE.sh\r\n" } ;

```

```

        expect oracle@* {send exit\r } ;
        expect eof;
        "> /dev/null 2>&1
echo "File initialization is completed."
echo "Section1 initialization is successfully completed."
[oracle@edbjr2p1 Skillset]$
3)
[oracle@edbjr2p1 Skillset]$ cat initsec2.sh
#!/bin/bash

#####
#Section2 initialization scrip
#####
sudo chmod 755 /home/oracle -R
sudo chown oracle:oinstall /home/oracle -R
echo "Starting Section2 initialization process, please wait."
./init/crd.sh >/dev/null 2>&1
mv /home/oracle/scripts/Skillset1.html /home/oracle/scripts/previous_skillsets/ >/dev/null 2>&1
#mv /home/oracle/scripts/p12834800_112030_LINUX.zip /home/oracle/scripts/previous_skillsets/ >/dev/null 2>&1
cp ./questions/Skillset2/Skillset2.html /home/oracle/scripts/
cp ./questions/Skillset2/s2_1.sql /home/oracle/scripts/
cp ./questions/Skillset2/s2_12.sql /home/oracle/scripts/
echo "File initialization is completed."
#Operateing PROD1 database:create scn_test table
sqlplus sys/oracle@PROD1 as sysdba <<EOF >/dev/null 2>&1
create table HR.SCN_TEST(S_ID NUMBER,S_NAME VARCHAR2(20));
drop tablespace test_tbs including contents and datafiles;
EOF

sqlplus sys/oracle@PROD4 as sysdba <<EOF >/dev/null 2>&1
alter user rc_admin identified by RC_ADMIN;
EOF
echo "Section2 initialization is successfully completed."

[oracle@edbjr2p1 Skillset]$
4)
[oracle@edbjr2p1 Skillset]$ cat initsec3.sh
#!/bin/bash

#####
#Section3 initialization scrip
#####
sudo chmod 755 /home/oracle -R
sudo chown oracle:oinstall /home/oracle -R
echo "Starting Section3 initialization process, please wait."
./init/crd.sh >/dev/null 2>&1
mv /home/oracle/scripts/Skillset2.html /home/oracle/scripts/previous_skillsets/ >/dev/null 2>&1
mv /home/oracle/scripts/s2_12.sql /home/oracle/scripts/previous_skillsets/ >/dev/null 2>&1
mv /home/oracle/scripts/s2_1.sql /home/oracle/scripts/previous_skillsets/ >/dev/null 2>&1
cp ./questions/Skillset3/Skillset3.html /home/oracle/scripts/
cp ./questions/Skillset3/star.sql /home/oracle/scripts/
cp ./questions/Skillset3/prod_master.ctl /home/oracle/scripts/
cp ./questions/Skillset3/prod_master.dat.gz /home/oracle/scripts/
cp ./questions/Skillset3/uncompress.sh /home/oracle/scripts/
cp ./questions/Skillset3/EXPDAT_GENERATETTS000021.DMP /home/oracle/scripts/
cp ./questions/Skillset3/transport_tbs01.dbf /home/oracle/scripts/
cp ./questions/Skillset3/parallel.sql /home/oracle/scripts/
echo "File initialization is completed."

```

```

#Operateing PROD2 database:drop redo log file
echo "alter system checkpoint;" > /home/oracle/scripts/drop.sql
echo "set feedback off;" >> /home/oracle/scripts/drop.sql
echo "set heading off; " >> /home/oracle/scripts/drop.sql
echo "set pagesize 0;" >> /home/oracle/scripts/drop.sql
echo "set verify off;" >> /home/oracle/scripts/drop.sql
echo "set echo off;" >> /home/oracle/scripts/drop.sql
echo "set termout off;" >> /home/oracle/scripts/drop.sql
echo "set trimout on;" >> /home/oracle/scripts/drop.sql
echo "set trimspace on;" >> /home/oracle/scripts/drop.sql
echo "spool /home/oracle/scripts/drop.sh;" >> /home/oracle/scripts/drop.sql
echo "select 'rm -rf ' || member from v\$logfile where group# in (select group# from v\$log where status='CURRENT');" >>
/home/oracle/scripts/drop.sql
echo "select 'rm -rf ' || FILE_NAME from dba_data_files where tablespace_name='USERS' ;" >> /home/oracle/scripts/drop.sql
echo "spool off;" >> /home/oracle/scripts/drop.sql
echo "exit;" >> /home/oracle/scripts/drop.sql
export ORACLE_SID=PROD2
sqlplus / as sysdba @/home/oracle/scripts/drop.sql >/dev/null 2>&1
chmod 755 /home/oracle/scripts/drop.sh
/home/oracle/scripts/drop.sh
rm -rf /home/oracle/scripts/drop.sh
rm -rf /home/oracle/scripts/drop.sql

#Operateing PROD2 database
export ORACLE_SID=PROD2
sqlplus / as sysdba <<EOF >/dev/null 2>&1
shutdown abort
EOF

#Operateing PROD1 database
export ORACLE_SID=PROD1
sqlplus / as sysdba <<EOF >/dev/null 2>&1
create materialized view SH.PROD_COST_MV as SELECT time_id, prod_subcategory, SUM( unit_cost) AS sum_units FROM costs c, products
p WHERE c.prod_id = p.prod_id GROUP BY time_id, prod_subcategory;
drop index SH.SALES_TIME_BIX;
drop index SH.SALES_CUST_BIX;
drop index SH.SALES_CHANNEL_BIX;
create table sh.plan_table
(
    statement_id      varchar2(30),
    plan_id           number,
    timestamp         date,
    remarks           varchar2(4000),
    operation         varchar2(30),
    options           varchar2(255),
    object_node       varchar2(128),
    object_owner      varchar2(30),
    object_name       varchar2(30),
    object_alias      varchar2(65),
    object_instance   numeric,
    object_type       varchar2(30),
    optimizer         varchar2(255),
    search_columns    number,
    id               numeric,
    parent_id        numeric,
    depth            numeric,
    position         numeric,
    cost             numeric,

```

```

        cardinality      numeric,
        bytes            numeric,
        other_tag        varchar2(255),
        partition_start  varchar2(255),
        partition_stop   varchar2(255),
        partition_id     numeric,
        other            long,
        other_xml         clob,
        distribution     varchar2(30),
        cpu_cost         numeric,
        io_cost          numeric,
        temp_space       numeric,
        access_predicates varchar2(4000),
        filter_predicates varchar2(4000),
        projection       varchar2(4000),
        time             numeric,
        qblock_name      varchar2(30)
    );

create table sh.statement(statement_id varchar2(30));
EOF
echo "Section3 initialization is successfully completed."
[oracle@edbjr2p1 Skillset]$
5)
[oracle@edbjr2p1 Skillset]$ cat initsec4.sh
#!/bin/bash

#####
#Section4 initialization scrip
#####

sudo chmod 755 /home/oracle -R
sudo chown oracle:oinstall /home/oracle -R
echo "Starting Section4 initialization process, please wait."
./init/crd.sh >/dev/null 2>&1
mv /home/oracle/scripts/Skillset3.html /home/oracle/scripts/previous_skillsets/>/dev/null 2>&1
mv /home/oracle/scripts/star.sql /home/oracle/scripts/previous_skillsets/>/dev/null 2>&1
mv /home/oracle/scripts/prod_master.ctl /home/oracle/scripts/previous_skillsets/>/dev/null 2>&1
mv /home/oracle/scripts/prod_master.log /home/oracle/scripts/previous_skillsets/>/dev/null 2>&1
mv /home/oracle/scripts/prod_master.dat.gz /home/oracle/scripts/previous_skillsets/>/dev/null 2>&1
mv /home/oracle/scripts/prod_master.log_xt /home/oracle/scripts/previous_skillsets/>/dev/null 2>&1
mv /home/oracle/scripts/uncompress.sh /home/oracle/scripts/previous_skillsets/>/dev/null 2>&1
mv /home/oracle/scripts/ext_table.sql /home/oracle/scripts/previous_skillsets/>/dev/null 2>&1
mv /home/oracle/scripts/mv_create.sql /home/oracle/scripts/previous_skillsets/>/dev/null 2>&1
mv /home/oracle/scripts/EXPDAT_GENERATETTS000021.DMP /home/oracle/scripts/previous_skillsets/>/dev/null 2>&1
mv /home/oracle/scripts/transport_tbs01.dbf /home/oracle/scripts/previous_skillsets/>/dev/null 2>&1
mv /home/oracle/scripts/parallel.sql /home/oracle/scripts/previous_skillsets/>/dev/null 2>&1
cp ./questions/Skillset4/Skillset4.html /home/oracle/scripts/
cp ./questions/Skillset4/sec_tbs.sql /home/oracle/scripts/
cp ./questions/Skillset4/securelob_sp.sql /home/oracle/scripts/
cp ./questions/Skillset4/test.f /home/oracle/files/
cp ./questions/Skillset4/expmaga.dmp /home/oracle/scripts/
cp ./questions/Skillset4/s4_1.sql /home/oracle/scripts/
echo "File initialization is completed."
#Operateing PROD1 database
export ORACLE_SID=PROD1
sqlplus / as sysdba <<EOF >/dev/null 2>&1
alter system set db_securefile=never;
CREATE TABLESPACE TBS1 DATAFILE '/u01/app/oracle/oradata/PROD1/tbs1_01.dbf' SIZE 2M AUTOEXTEND OFF LOGGING ONLINE EXTENT
MANAGEMENT LOCAL AUTOALLOCATE BLOCKSIZE 8K SEGMENT SPACE MANAGEMENT AUTO FLASHBACK ON;

```

```
CREATE TABLESPACE TBS2 DATAFILE '/u01/app/oracle/oradata/PROD1/tbs2_01.dbf' SIZE 2M AUTOEXTEND OFF LOGGING ONLINE EXTENT
MANAGEMENT LOCAL AUTOALLOCATE BLOCKSIZE 8K SEGMENT SPACE MANAGEMENT AUTO FLASHBACK ON;
```

```
CREATE TABLESPACE SALES_TBS1 DATAFILE '/u01/app/oracle/oradata/PROD1/sales_tbs101.dbf' SIZE 1M AUTOEXTEND OFF LOGGING ONLINE
EXTENT MANAGEMENT LOCAL AUTOALLOCATE BLOCKSIZE 8K SEGMENT SPACE MANAGEMENT AUTO;
CREATE TABLESPACE SALES_TBS2 DATAFILE '/u01/app/oracle/oradata/PROD1/sales_tbs201.dbf' SIZE 1M AUTOEXTEND OFF LOGGING ONLINE
EXTENT MANAGEMENT LOCAL AUTOALLOCATE BLOCKSIZE 8K SEGMENT SPACE MANAGEMENT AUTO;
CREATE TABLESPACE SALES_TBS3 DATAFILE '/u01/app/oracle/oradata/PROD1/sales_tbs301.dbf' SIZE 1M AUTOEXTEND OFF LOGGING ONLINE
EXTENT MANAGEMENT LOCAL AUTOALLOCATE BLOCKSIZE 8K SEGMENT SPACE MANAGEMENT AUTO;
CREATE TABLESPACE SALES_TBS4 DATAFILE '/u01/app/oracle/oradata/PROD1/sales_tbs401.dbf' SIZE 1M AUTOEXTEND OFF LOGGING ONLINE
EXTENT MANAGEMENT LOCAL AUTOALLOCATE BLOCKSIZE 8K SEGMENT SPACE MANAGEMENT AUTO;
```

```
create table SH.new_orders
(order_id number(12),
order_date date,
order_mode varchar2(8),
customer_id number(6),
order_status number(2),
order_total number(8,2),
sales_rep_id number(6),
promotion_id number(6),
constraint orders_pk primary key(order_id)
)
partition by range(order_date)
(
partition q1_2005 values less than (to_date('01-apr-2005','dd-mon-yyyy')) tablespace tbs1,
partition q2_2005 values less than (to_date('01-jul-2005','dd-mon-yyyy')) tablespace tbs1,
partition q3_2005 values less than (to_date('01-oct-2005','dd-mon-yyyy')) tablespace tbs2,
partition q4_2005 values less than (to_date('01-jan-2006','dd-mon-yyyy')) tablespace tbs2
);
UPDATE HR.EMPLOYEES SET HIRE_DATE=HIRE_DATE-3650;
commit;
```

```
CREATE TABLE HR.DEPARTMENTS_NEW
(
DEPARTMENT_ID NUMBER(4),
DEPARTMENT_NAME VARCHAR2(30 BYTE) NOT NULL,
MANAGER_ID NUMBER(6),
LOCATION_ID NUMBER(4)
)
TABLESPACE EXAMPLE
NOLOGGING
NOCOMPRESS
NOCACHE
NOPARALLEL
MONITORING;
```

```
CREATE UNIQUE INDEX HR.DEPT_ID_NEW_PK ON HR.DEPARTMENTS_NEW
(DEPARTMENT_ID)
NOLOGGING
TABLESPACE EXAMPLE
NOPARALLEL;
```

```
CREATE INDEX HR.DEPT_LOCATION_NEW_IX ON HR.DEPARTMENTS_NEW
(LOCATION_ID)
NOLOGGING
TABLESPACE EXAMPLE
```

```

NOPARALLEL;

INSERT INTO HR.DEPARTMENTS_NEW SELECT * FROM HR.DEPARTMENTS;
COMMIT;
conn hr/hr
purge recyclebin;
DROP TABLE HR.DEPARTMENTS_NEW CASCADE CONSTRAINTS;
CREATE TABLE HR.DEPARTMENTS_NEW
(
    MANAGER_ID      NUMBER(6),
    LOCATION_ID      NUMBER(4)
);
DROP TABLE HR.DEPARTMENTS_NEW;
CREATE TABLE HR.DEPARTMENTS_NEW
(
    MANAGER_ID      NUMBER(6),
    LOCATION_ID      NUMBER(4)
);
DROP TABLE HR.DEPARTMENTS_NEW;
conn / as sysdba
BEGIN
    FOR I IN (select file_id from dba_data_files)
    LOOP
        EXECUTE IMMEDIATE 'alter database datafile '||I.file_id||' autoextend off';
    END LOOP;
END;
/

EOF
echo "Section4 initialization is successfully completed."
[oracle@edbjr2p1 Skillset]$
6)
[oracle@edbjr2p1 Skillset]$ cat initsec5.sh
#!/bin/bash

#####
#Section5 initialization scrip
#####
sudo chmod 755 /home/oracle -R
sudo chown oracle:oinstall /home/oracle -R
echo "Starting Section5 initialization process, please wait."
./init/crd.sh >/dev/null 2>&1
mv /home/oracle/scripts/Skillset4.html /home/oracle/scripts/previous_skillsets/ >/dev/null 2>&1
mv /home/oracle/scripts/expmaga.dmp /home/oracle/scripts/previous_skillsets/ >/dev/null 2>&1
mv /home/oracle/scripts/imp.log /home/oracle/scripts/previous_skillsets/ >/dev/null 2>&1
mv /home/oracle/scripts/sec_tbs.sql /home/oracle/scripts/previous_skillsets/ >/dev/null 2>&1
mv /home/oracle/scripts/securelob_sp.sql /home/oracle/scripts/previous_skillsets/ >/dev/null 2>&1
mv /home/oracle/scripts/test.f /home/oracle/scripts/previous_skillsets/ >/dev/null 2>&1
mv /home/oracle/scripts/securelob_sp.sql /home/oracle/scripts/previous_skillsets/ >/dev/null 2>&1
mv /home/oracle/scripts/s4_1.sql /home/oracle/scripts/previous_skillsets/ >/dev/null 2>&1
cp ./questions/Skillset5/Skillset5.html /home/oracle/scripts/
cp ./questions/Skillset5/appsandstage.dmp /home/oracle/scripts/
cp ./questions/Skillset5/s5_22.sql /home/oracle/scripts/

rm -rf $ORACLE_BASE/oradata/PROD2/system01.dbf
rm -rf $ORACLE_BASE/oradata/PROD2/control01.ctl
rm -rf $ORACLE_HOME/network/admin/sqlnet.ora >/dev/null
echo "File initialization is completed."

```



```

#Operateing PROD2 database
sqlplus sys/oracle@PROD2 as sysdba <<EOF >/dev/null 2>&1
shutdown abort
EOF

#Operateing PROD1 database
sqlplus sys/oracle@PROD1 as sysdba <<EOF >/dev/null 2>&1


create user oltp_user identified by oltp_user;
grant connect,resource to oltp_user;
alter system set db_securefile=never;
create table oltp_user.classes(class_id number constraint pk_class primary key,class_name varchar2(20));
insert into oltp_user.classes values(1,'OCP');
insert into oltp_user.classes values(2,'OCM');
commit;


CREATE TABLE SH.PRODUCT_INFORMATION_PART
(
  PRODUCT_ID          NUMBER(6),
  PRODUCT_NAME        VARCHAR2(50 BYTE),
  PRODUCT_DESCRIPTION  VARCHAR2(2000 BYTE),
  CATEGORY_ID         NUMBER(2),
  WEIGHT_CLASS        NUMBER(1),
  WARRANTY_PERIOD     INTERVAL YEAR(2) TO MONTH,
  SUPPLIER_ID         NUMBER(6),
  PRODUCT_STATUS      VARCHAR2(20 BYTE),
  LIST_PRICE          NUMBER(8, 2),
  MIN_PRICE           NUMBER(8, 2),
  CATALOG_URL         VARCHAR2(50 BYTE)
);


insert into SH.PRODUCT_INFORMATION_PART select * from OE.PRODUCT_INFORMATION;
commit;


create tablespace cust_tbs datafile '/u01/app/oracle/oradata/PROD1/cust_tbs01.dbf' size 10m extent management local SEGMENT SPACE
MANAGEMENT MANUAL;
create tablespace OLTP datafile '/u01/app/oracle/oradata/PROD1/oltp_01.dbf' size 10m extent management local SEGMENT SPACE
MANAGEMENT AUTO;
create table HR.new_cust(x number constraint pk_new_cust primary key) tablespace cust_tbs;
insert into HR.new_cust select rownum from dual connect by rownum<=5;
commit;


CREATE TABLE OLTP_USER.SALES
(
  PROD_ID          NUMBER                NOT NULL,
  CUST_ID          NUMBER                NOT NULL,
  TIME_ID          DATE                  NOT NULL,
  CHANNEL_ID       NUMBER                NOT NULL,
  PROMO_ID         NUMBER                NOT NULL,
  QUANTITY_SOLD    NUMBER(10, 2)         NOT NULL,
  AMOUNT_SOLD      NUMBER(10, 2)         NOT NULL
)
PARTITION BY RANGE (TIME_ID)
(
  PARTITION SALES_Q1_2001 VALUES LESS THAN (TO_DATE(' 2001-04-01 00:00:00', 'SYYYY-MM-DD HH24:MI:SS', 'NLS_CALENDAR=GREGORIAN')),
  PARTITION SALES_Q2_2001 VALUES LESS THAN (TO_DATE(' 2001-07-01 00:00:00', 'SYYYY-MM-DD HH24:MI:SS', 'NLS_CALENDAR=GREGORIAN')),
  PARTITION SALES_Q3_2001 VALUES LESS THAN (TO_DATE(' 2001-10-01 00:00:00', 'SYYYY-MM-DD HH24:MI:SS', 'NLS_CALENDAR=GREGORIAN')),
  PARTITION SALES_Q4_2001 VALUES LESS THAN (TO_DATE(' 2002-01-01 00:00:00', 'SYYYY-MM-DD HH24:MI:SS', 'NLS_CALENDAR=GREGORIAN'))
);

```

```

CREATE BITMAP INDEX OLTP_USER.OLTP_SALES_CHANNEL_BIX ON OLTP_USER.SALES
(CHANNEL_ID)
LOCAL (
    PARTITION SALES_Q1_2001,
    PARTITION SALES_Q2_2001,
    PARTITION SALES_Q3_2001,
    PARTITION SALES_Q4_2001
);
CREATE BITMAP INDEX OLTP_USER.OLTP_SALES_CUST_BIX ON OLTP_USER.SALES
(CUST_ID)
LOCAL (
    PARTITION SALES_Q1_2001,
    PARTITION SALES_Q2_2001,
    PARTITION SALES_Q3_2001,
    PARTITION SALES_Q4_2001
);
CREATE BITMAP INDEX OLTP_USER.OLTP_SALES_PROD_BIX ON OLTP_USER.SALES
(PROD_ID)
LOCAL (
    PARTITION SALES_Q1_2001,
    PARTITION SALES_Q2_2001,
    PARTITION SALES_Q3_2001,
    PARTITION SALES_Q4_2001
);
insert into OLTP_USER.SALES select * FROM SH.SALES where time_id>to_date('2001-01-01','YYYY-MM-DD');
commit;

create table hr.emp as select * from hr.employees;

begin
    for i in 1..6
    loop
        insert into hr.emp select * from hr.employees;
        commit;
        insert into hr.emp select * from hr.emp;
        commit;
    end loop;
    update hr.emp set employee_id=rownum;
    commit;
end;
/
EOF
echo "Section5 initialization is successfully completed."
[oracle@edbjr2p1 Skillset]$
7)
[oracle@edbjr2p1 Skillset]$ cat initsec6.sh
#!/bin/bash

#####
#Section6 initialization scritp
#####
sudo chmod 755 /home/oracle -R
sudo chown oracle:oinstall /home/oracle -R
echo "Starting Section6 initialization process, please wait."
./init/crd.sh >/dev/null 2>&1
mv /home/oracle/scripts/Skillset5.html /home/oracle/scripts/previous_skillsets/>/dev/null 2>&1
mv /home/oracle/scripts/appsandstage.dmp /home/oracle/scripts/previous_skillsets/>/dev/null 2>&1
mv /home/oracle/scripts/appsandstage.log /home/oracle/scripts/previous_skillsets/>/dev/null 2>&1

```

```

mv /home/oracle/scripts/s5_22.sql /home/oracle/scripts/previous_skillsets/>/dev/null 2>&1
cp ./questions/Skillset6/Skillset6.html /home/oracle/scripts/
export ORACLE_SID=PROD1
sqlplus / as sysdba <<EOF >/dev/null 2>&1
exec dbms_resource_manager.clear_pending_area();
exec dbms_resource_manager.create_pending_area();
exec dbms_resource_manager.create_plan( plan =>' system_plan',comment=>' system_plan');
exec DBMS_RESOURCE_MANAGER.CREATE_PLAN_DIRECTIVE(' system_plan',' other_groups',' system_plan');
exec dbms_resource_manager.submit_pending_area();
EOF
echo "File initialization is completed."
echo "Section6 initialization is successfully completed."
[oracle@edbjr2p1 Skillset]$
8)
[oracle@edbjr2p1 Skillset]$ cat initsec7.sh
#!/bin/bash

```

```

#####
#Section7 initialization scrip
#####
sudo chmod 755 /home/oracle -R
sudo chown oracle:oinstall /home/oracle -R
echo "Starting Section7 initialization process,please wait."
./init/crd.sh >/dev/null 2>&1
mv /home/oracle/scripts/Skillset6.html /home/oracle/scripts/previous_skillsets/>/dev/null 2>&1
cp ./questions/Skillset7/Skillset7.html /home/oracle/scripts/
cp ./questions/Skillset7/sbdb1.sql /home/oracle/scripts/
echo "File initialization is completed."
echo "Section7 initialization is successfully completed."
[oracle@edbjr2p1 Skillset]$
9)
[oracle@edbjr2p1 Skillset]$ cat initsec8.sh
#!/bin/bash

```

```

#####
#Section8 initialization scrip
#####
echo "Starting Section8 initialization process,please wait."
./init/crd.sh >/dev/null 2>&1
mv /home/oracle/scripts/Skillset7.html /home/oracle/scripts/previous_skillsets/>/dev/null 2>&1
mv /home/oracle/scripts/sbdb1.sql /home/oracle/scripts/previous_skillsets/>/dev/null 2>&1
mv /home/oracle/scripts/sbdb1.sql /home/oracle/scripts/previous_skillsets/>/dev/null 2>&1
cp ./questions/Skillset8/Skillset8.html /home/oracle/scripts/
echo "File initialization is completed."
echo "Section8 initialization is successfully completed."
[oracle@edbjr2p1 Skillset]$
10)
[oracle@edbjr2p1 Skillset]$ cat initsec9.sh
#!/bin/bash

```

```

#####
#Section9 initialization scrip
#####
echo "Starting Section9 initialization process,please wait."
./init/crd.sh >/dev/null 2>&1
mv /home/oracle/scripts/Skillset8.html /home/oracle/scripts/previous_skillsets/>/dev/null 2>&1
cp ./questions/Skillset9/Skillset9.html /home/oracle/scripts/
echo "File initialization is completed."

```

```

echo "Section9 initialization is successfully completed."
[oracle@edbjr2p1 Skillset]$
11)
[oracle@edbjr2p1 questions]$ cd tools/
[oracle@edbjr2p1 tools]$ pwd
/home/oracle/Skillset/questions/tools
[oracle@edbjr2p1 tools]$ ls
restartMS.sh startupDS.sh startupMS.sh startupPE.sh
[oracle@edbjr2p1 tools]$ cat restartMS.sh
#!/bin/bash
init 6[oracle@edbjr2p1 tools]$ cat startupDS.sh
#!/bin/bash

#Modify TNSNAMES
sed -i "s#enmoedu1#edbjr2p1#g" $ORACLE_HOME/network/admin/listener.ora
sed -i "s#enmoedu1.example.com#edbjr2p1.example.com#g" $ORACLE_HOME/network/admin/tnsnames.ora
sed -i "s#(SERVICE_NAME = PROD1)#(SERVICE_NAME = PROD1.us.oracle.com)#g" $ORACLE_HOME/network/admin/tnsnames.ora
sed -i "s#(SERVICE_NAME = PROD2)#(SERVICE_NAME = PROD2.us.oracle.com)#g" $ORACLE_HOME/network/admin/tnsnames.ora

lsnrctl start
export ORACLE_SID=PROD1
sqlplus / as sysdba <<EOF >/dev/null 2>&1
startup
alter system set db_domain='us.oracle.com' scope=spfile;
startup force
EOF
export ORACLE_SID=PROD2
sqlplus / as sysdba <<EOF >/dev/null 2>&1
startup
alter system set db_domain='us.oracle.com' scope=spfile;
startup force
EOF[oracle@edbjr2p1 tools]$ cat startupMS.sh
#!/bin/bash
sed -i "s#enmoedu2#edbjr2p2#g" $ORACLE_HOME/network/admin/listener.ora
sed -i "s#enmoedu2.example.com#edbjr2p2.example.com#g" $ORACLE_HOME/network/admin/tnsnames.ora
sed -i "s#(SERVICE_NAME = PROD4)#(SERVICE_NAME = PROD4.us.oracle.com)#g" $ORACLE_HOME/network/admin/tnsnames.ora
sed -i "s#(SERVICE_NAME = EMREP)#(SERVICE_NAME = EMREP.us.oracle.com)#g" $ORACLE_HOME/network/admin/tnsnames.ora

sed -i "s#enmoedu2.example.com#edbjr2p2.example.com#g" `grep enmoedu2.example.com -rl /u01/app/oracle/product/gc_inst/*`
sed -i "s#enmoedu2.example.com#edbjr2p2.example.com#g" `grep enmoedu2.example.com -rl /u01/app/oracle/product/middleware/*`
lsnrctl start
export ORACLE_SID=PROD4
sqlplus / as sysdba <<EOF >/dev/null 2>&1
startup
alter system set db_domain='us.oracle.com' scope=spfile;
startup force
EOF
export ORACLE_SID=EMREP
sqlplus / as sysdba <<EOF >/dev/null 2>&1
startup
alter system set db_domain='us.oracle.com' scope=spfile;
startup force
conn sysman/Oracle123
update MGMT_HC_NIC_DETAILS set HOSTNAME_ALIASES='edbjr2p2.example.com,edbjr2p2';
update MGMT_OMS_PARAMETERS set HOST_URL='edbjr2p2.example.com:4889_Management_Service';
update MGMT_OMS_PARAMETERS set value='http://edbjr2p2.example.com:4889/em' where NAME='OMS_URL';
update MGMT_OMS_PARAMETERS set value='edbjr2p2.example.com' where NAME='HOST_NAME';
update MGMT_OMS_PROPERTY set PROPERTY_VALUE='edbjr2p2.example.com' where PROPERTY_ID='EF35471637EA2C69989B08A6B55FC447';

```

```

update MGMT_OMS_PROPERTY set PROPERTY_VALUE=' edbjr2p2.example.com:4889_Management_Service' where
PROPERTY_ID='8DC8205E69B111F42CA98376E0A5E3D8';
update MGMT_SYSTEM_PERFORMANCE_LOG set HOST_URL=' edbjr2p2.example.com:4889_Management_Service' where
HOST_URL='enmoedu2.example.com:4889_Management_Service';
update MGMT_TARGET_PROPERTIES set PROPERTY_VALUE=' (DESCRIPTION=(ADDRESS_LIST=(ADDRESS=(PROTOCOL=TCP) (HOST=edbjr2p2.example.com)
(PORT=1521))) (CONNECT_DATA=(SID=EMREP)))' where PROPERTY_NAME='ConnectDescriptor';
update MGMT_TARGET_PROPERTIES set PROPERTY_VALUE=' https://edbjr2p2.example.com:4900/em/upload' where PROPERTY_NAME='ReposUrl';
update MGMT_TARGET_PROPERTIES set PROPERTY_VALUE=' edbjr2p2.example.com' where PROPERTY_NAME='DontUse_DiscHelperProp_ON_HOST';
update MGMT_TARGET_PROPERTIES set PROPERTY_VALUE=' @ (description=(address_list=(address=(protocol=tcp) (host=edbjr2p2.example.com)
(port=1521))) (connect_data=(sid=emrep)))' where PROPERTY_NAME='DatabaseName';
update MGMT_TARGET_PROPERTIES set PROPERTY_VALUE=' jdbc:oracle:thin:@ (DESCRIPTION=(ADDRESS_LIST=(ADDRESS=(PROTOCOL=TCP)
(HOST=edbjr2p2.example.com) (PORT=1521))) (CONNECT_DATA=(SID=EMREP)))' where PROPERTY_NAME='JdbcUrl';
update MGMT_TARGET_PROPERTIES set PROPERTY_VALUE=' edbjr2p2.example.com' where PROPERTY_NAME='MachineName';
update MGMT_TARGET_PROPERTIES set PROPERTY_VALUE=' edbjr2p2.example.com' where PROPERTY_NAME='Machine';
update MGMT_TARGET_PROPERTIES set
PROPERTY_VALUE=' service:jmx:t3s://edbjr2p2.example.com:7101/jndi/weblogic.management.mbeanservers.domainruntime' where
PROPERTY_NAME='serviceURL' and TARGET_GUID='79FCE073DBEC22F42529DBB2467DCC58';
update MGMT_TARGET_PROPERTIES set
PROPERTY_VALUE=' service:jmx:t3s://edbjr2p2.example.com:7101/jndi/weblogic.management.mbeanservers.runtime' where
PROPERTY_NAME='serviceURL' and TARGET_GUID='F98DF9EFA854124ED60B1C42289C12D8';
update MGMT_TARGET_PROPERTIES set
PROPERTY_VALUE=' service:jmx:t3s://edbjr2p2.example.com:7202/jndi/weblogic.management.mbeanservers.runtime' where
PROPERTY_NAME='serviceURL' and TARGET_GUID='EAD965101F7E1BB7C8F436215BDC884A';
update MGMT_TARGETS set TARGET_NAME=' edbjr2p2.example.com:3872', DISPLAY_NAME=' edbjr2p2.example.com:3872' where
TARGET_TYPE='oracle_emd';
update MGMT_TARGETS set TARGET_NAME=' edbjr2p2.example.com', DISPLAY_NAME=' edbjr2p2.example.com' where TARGET_TYPE='host';
update MGMT_TARGETS set
TARGET_NAME=' edbjr2p2.example.com_oms_csa_collector', DISPLAY_NAME=' edbjr2p2.example.com_oms_csa_collector' where
TARGET_TYPE='oracle_csa_collector';
update MGMT_TARGETS set TARGET_NAME=' LISTENER_edbjr2p2.example.com', DISPLAY_NAME=' LISTENER_edbjr2p2.example.com' where
TARGET_TYPE='oracle_listener';
update MGMT_TARGETS set HOST_NAME=' edbjr2p2.example.com';
update MGMT_WEBLOGIC_JDBCPOOL set URL=' jdbc:oracle:thin:@ (DESCRIPTION=(ADDRESS_LIST=(ADDRESS=(PROTOCOL=TCP)
(HOST=edbjr2p2.example.com) (PORT=1521))) (CONNECT_DATA=(SID=EMREP)))';
update MGMT_WEBLOGIC_NODEMANAGER set LISTENADDRESS=' edbjr2p2.example.com';
update ESM_COLLECTION set VALUE=' edbjr2p2.example.com' where PROPERTY='host_name';
update MGMT_CURRENT_METRICS set key_value=' edbjr2p2.example.com:3872' where key_value=' enmoedu2.example.com:3872';
update MGMT_CURRENT_VIOLATION set key_value=' edbjr2p2.example.com' where key_value=' enmoedu2.example.com';
update MGMT_DELTA_SNAP set NEW_LEFT_TARGET_NAME=' edbjr2p2.example.com' where NEW_LEFT_TARGET_NAME=' enmoedu2.example.com';
update MGMT_DELTA_SNAP set OLD_RIGHT_TARGET_NAME=' edbjr2p2.example.com' where OLD_RIGHT_TARGET_NAME=' enmoedu2.example.com';
update MGMT_ECM_GEN_SNAPSHOT set TARGET_NAME=' edbjr2p2.example.com' where TARGET_NAME=' enmoedu2.example.com';
update MGMT_ECM_GEN_SNAPSHOT set TARGET_NAME=' LISTENER_edbjr2p2.example.com', DISPLAY_TARGET_NAME=' LISTENER_edbjr2p2.example.com'
where TARGET_NAME=' LISTENER_enmoedu2.example.com';
update MGMT_ECM_SNAPSHOT set TARGET_NAME=' edbjr2p2.example.com', DISPLAY_TARGET_NAME=' edbjr2p2.example.com' where
TARGET_NAME=' enmoedu2.example.com';
update MGMT_HC_OS_PROPERTIES set value=' edbjr2p2.example.com' where NAME='kernel.hostname';
update MGMT_HC_SYSTEM_SUMMARY set HOSTNAME=' edbjr2p2.example.com' where HOSTNAME=' enmoedu2.example.com';
alter trigger SYSMAN.CHECK_DUPLICATE_TARGETS disable;
update MGMT_TARGETS set EMD_URL=' https://edbjr2p2.example.com:3872/emd/main/';
alter trigger SYSMAN.CHECK_DUPLICATE_TARGETS enable;
execute mgmt_admin.cleanup_agent(' edbjr2p2.example.com:3872');
EOF

```

```
cd /u01/app/oracle/product/middleware/wlserver_10.3/server/lib
```

```
. ./bin/setWLSEnv.sh
```

```
java utils.CertGen -cn edbjr2p2.example.com -keyfilepass DemoIdentityPassPhrase -certfile testcert -keyfile testkey
```

```
java utils.ImportPrivateKey newkeystore.jks DemoIdentityKeyStorePassPhrase demoidentity DemoIdentityPassPhrase testcert.pem
testkey.pem
```

```

keytool -v -list -keystore newkeystore.jks -storepass DemoIdentityKeyStorePassPhrase
cp newkeystore.jks DemoIdentity.jks

/u01/app/oracle/product/gc_inst/WebTierIH1/bin/opmnctl startall
source ~/profile_oms
cd /u01/app/oracle/product/middleware/oms11g/sysman/config
keytool -genkey -alias alias_value -keyalg RSA -keysize 1024 -storepass Oracle123 -keystore 11gOCM.jks -
storetype jks -dname "CN=edbjr2p2.example.com, OU=Enterprise Manager Grid Control, O=Oracle Corporation,L=Redwood City,
S=California, C=US"
/u01/app/oracle/product/middleware/oms11g/bin/emctl start oms
emctl secure oms -sysman_pwd Oracle123 -reg_pwd Oracle123 -trust_certs_loc 11gOCM.jks
source ~/profile_agent
rm -rf /u01/app/oracle/product/middleware/agent11g/sysman/emd/state/*
rm -rf /u01/app/oracle/product/middleware/agent11g/sysman/emd/collection/*
rm -rf /u01/app/oracle/product/middleware/agent11g/sysman/emd/upload/*
rm -rf /u01/app/oracle/product/middleware/agent11g/sysman/emd/lastupld.xml
rm -rf /u01/app/oracle/product/middleware/agent11g/sysman/emd/agtstmp.txt
rm -rf /u01/app/oracle/product/middleware/agent11g/sysman/emd/protocol.ini
emctl clearstate agent
emctl secure agent<<EOF >/dev/null 2>&1
Oracle123
EOF
emctl start agent
sed -i "s#enmoedu2.example.com#edbjr2p2.example.com#g" /u01/app/oracle/product/middleware/agent11g/sysman/config/emd.properties
[oracle@edbjr2p1 tools]$ cat startupPE.sh
#!/bin/bash
lsnrctl start
export ORACLE_SID=PROD4
sqlplus / as sysdba <<EOF >/dev/null 2>&1
startup
exit
EOF
export ORACLE_SID=EMREP
sqlplus / as sysdba <<EOF >/dev/null 2>&1
startup
exit
EOF
source profile_oms
emctl start oms
source profile_agent
emctl start agent

[oracle@edbjr2p1 tools]$

```