삭제한 테이블을 임시 데이터베이스를 통해 복구

PROD1 DB 초기화

```
[oracle@edydr1p1 ~]$ ! cp -av /home/oracle/backup/arch/coldBU_6/*.*
/u01/app/oracle/oradata/PROD1/

`/home/oracle/backup/arch/coldBU_6/control01.ctl' -> `/u01/app/oracle/oradata/PROD1/control01.ctl'
`/home/oracle/backup/arch/coldBU_6/example01.dbf' -> `/u01/app/oracle/oradata/PROD1/example01.dbf'
`/home/oracle/backup/arch/coldBU_6/redo01.log' -> `/u01/app/oracle/oradata/PROD1/redo01.log'
`/home/oracle/backup/arch/coldBU_6/redo02.log' -> `/u01/app/oracle/oradata/PROD1/redo02.log'
`/home/oracle/backup/arch/coldBU_6/redo03.log' -> `/u01/app/oracle/oradata/PROD1/redo03.log'
`/home/oracle/backup/arch/coldBU_6/redo04.log' -> `/u01/app/oracle/oradata/PROD1/redo04.log'
`/home/oracle/backup/arch/coldBU_6/sysaux01.dbf' -> `/u01/app/oracle/oradata/PROD1/sysaux01.dbf'
`/home/oracle/backup/arch/coldBU_6/system01.dbf' -> `/u01/app/oracle/oradata/PROD1/system01.dbf'
`/home/oracle/backup/arch/coldBU_6/temp01.dbf' -> `/u01/app/oracle/oradata/PROD1/temp01.dbf'
`/home/oracle/backup/arch/coldBU_6/undotbs01.dbf' -> `/u01/app/oracle/oradata/PROD1/undotbs01.dbf'
`/home/oracle/backup/arch/coldBU_6/users01.dbf' -> `/u01/app/oracle/oradata/PROD1/users01.dbf'

[oracle@edydr1p1 arch1]$ ls
arch_1_6_1043935856.arc  arch_1_7_1043935856.arc  arch_1_8_1043935856.arc
arch_1_9_1043935856.arc
[oracle@edydr1p1 arch1]$ rm *
[oracle@edydr1p1 arch1]$ ls
[oracle@edydr1p1 arch1]$

SYS@PROD1>startup
ORACLE instance started.
...
Database mounted.
Database opened.
```

시퀀스 9에서 테이블 생성하기

```
SYS@PROD1>select group#, sequence#, members, archived, status
  2  , first_change#, first_time, next_change#, next_time
  3  from v$log;

    GROUP#  SEQUENCE#    MEMBERS ARC STATUS           FIRST_CHANGE# FIRST_TIM NEXT_CHANGE# NEXT_TIME
---------- ---------- ---------- --- ---------------- ------------- --------- ------------ ---------
         1          4          1 YES INACTIVE               2436138 24-JUN-20      2436142 24-JUN-20
         2          5          1 YES INACTIVE               2436142 24-JUN-20      2436155 24-JUN-20
         3          6          1 NO  CURRENT                2436155 24-JUN-20   2.8147E+14

3 rows selected.


SYS@PROD1>alter system switch logfile;
System altered.

SYS@PROD1>/
System altered.

SYS@PROD1>/
System altered.
```

```
SYS@PROD1>select group#, sequence#, members, archived, status
  2  , first_change#, first_time, next_change#, next_time
  3  from v$log;

    GROUP#  SEQUENCE#    MEMBERS ARC STATUS           FIRST_CHANGE# FIRST_TIM NEXT_CHANGE# NEXT_TIME
---------- ---------- ---------- --- ---------------- ------------- --------- ------------ ---------
         1          7          1 YES INACTIVE               2438997 25-JUN-20      2439000 25-JUN-20
         2          8          1 YES INACTIVE               2439000 25-JUN-20      2439004 25-JUN-20
         3          9          1 NO  CURRENT                2439004 25-JUN-20   2.8147E+14

3 rows selected.


[oracle@edydr1p1 ~]$ cd arch1

[oracle@edydr1p1 arch1]$ ls
arch_1_6_1043935856.arc  arch_1_7_1043935856.arc  arch_1_8_1043935856.arc
```

* 테이블 생성 및 조회

```
SYS@PROD1>create table scott.emp_n
  2  tablespace users
  3  as
  4  select *
  5  from hr.employees;

Table created.


SYS@PROD1>select count(*)
  2  from scott.emp_n;

  COUNT(*)
----------
       107

1 row selected.
```

* 타임스탬프를 찍어본다. (사실은 모르는 시간)

```
SYS@PROD1>select systimestamp
  2  from dual;

SYSTIMESTAMP
---------------------------------------
25-JUN-20 02.23.49.159975 PM +09:00

1 row selected.
```

*** 상황발생!! 사용자가 실수로 테이블을 삭제해버렸다.**

```
SYS@PROD1>drop table
  2  scott.emp_n purge;

Table dropped.
```

로그마이너를 통한 변경시간 확인 작업

```
SYS@PROD1>select a.group#, b.sequence#, a.member, b.bytes/1024/1024 MB,
  2  b.archived, b.status, b.first_change#
  3  from v$logfile a, v$log b
  4  where a.group# = b.group#
  5  order by 1;

    GROUP#  SEQUENCE# MEMBER                                        MB ARC STATUS     FIRST_CHANGE#
---------- ---------- ---------------------------------------- --- --- ---------- -------------
         1          7 /u01/app/oracle/oradata/PROD1/redo01.log       50 YES INACTIVE         2438997
         2          8 /u01/app/oracle/oradata/PROD1/redo02.log       50 YES INACTIVE         2439000
         3          9 /u01/app/oracle/oradata/PROD1/redo03.log       50 NO  CURRENT          2439004

3 rows selected.
```

* 로그마이너 분석 대상 리두 로그 파일을 등록한다.

```
SYS@PROD1>begin
  2  dbms_logmnr.add_logfile (logfilename =>
'/u01/app/oracle/oradata/PROD1/redo01.log', options => dbms_logmnr.new);
  3  dbms_logmnr.add_logfile (logfilename =>
'/u01/app/oracle/oradata/PROD1/redo02.log', options => dbms_logmnr.addfile);
  4  dbms_logmnr.add_logfile (logfilename =>
'/u01/app/oracle/oradata/PROD1/redo03.log', options => dbms_logmnr.addfile);
  5  end;
  6  /

PL/SQL procedure successfully completed.
```

* 등록 로그 파일을 확인한다.

```
SYS@PROD1>select db_name, filename
  2  from v$logmnr_logs;

DB_NAME  FILENAME
-------- --------------------------------------------------
PROD1    /u01/app/oracle/oradata/PROD1/redo01.log
PROD1    /u01/app/oracle/oradata/PROD1/redo02.log
PROD1    /u01/app/oracle/oradata/PROD1/redo03.log

3 rows selected.
```

* 로그 마이너 분석 시작

```
SYS@PROD1>begin
  2  dbms_logmnr.start_logmnr(options => dbms_logmnr.dict_from_online_catalog);
  3  end;
  4  /

PL/SQL procedure successfully completed.
```

* 분석된 로그를 조회한다.

```
SYS@PROD1>select to_char(timestamp, 'yyyy-mm-dd hh24:mi:ss') ti_stamp
  2  , operation, sql_redo
  3  from v$logmnr_contents
  4  where seg_name = 'EMP_N';
```

```
TI_STAMP            OPERATION  SQL_REDO
------------------- ---------- ----------------------------
2020-06-25 14:23:33 DDL        create table scott.emp_n
                               tablespace users
                               as
                               select *
                               from hr.employees;

2020-06-25 14:24:00 DDL        drop table
                               scott.emp_n purge;


2 rows selected.
```

* 로그 마이너 분석 종료

```
SYS@PROD1>exec dbms_logmnr.end_logmnr;
PL/SQL procedure successfully completed.
```

temp DB로 열기 위해서 PFILE을 미리 생성한다. (경로 설정을 직접할 수 있도록 SPFILE로 PFILE을 생성)

```
SYS@PROD1>! ls $ORACLE_HOME/dbs
hc_em12rep.dat  hc_PROD1.dat  lkEM12REP  lkPROD1       orapworcl   spfileem12rep.ora
spfilePROD1.ora  hc_orcl.dat     init.ora      lkORCL     orapwem12rep  orapwPROD1
spfileorcl.ora

SYS@PROD1>create pfile from spfile;
File created.

SYS@PROD1>! ls $ORACLE_HOME/dbs
hc_em12rep.dat  hc_PROD1.dat  initPROD1.ora  lkORCL   orapwem12rep  orapwPROD1
spfileorcl.ora  hc_orcl.dat     init.ora      lkEM12REP      lkPROD1  orapworcl
spfileem12rep.ora  spfilePROD1.ora
```

* PFILE을 생성한 후에 정상 종료한다.

```
SYS@PROD1>shutdown immediate
Database closed.
Database dismounted.
ORACLE instance shut down.
```

temp 디렉토리를 생성한다.

```
[oracle@edydr1p1 ~]$ mkdir temp

[oracle@edydr1p1 ~]$ ls
afiedt.buf  arch2   bea  Desktop    Downloads  Music  Pictures  solns  Templates
Videos  arch1       backup   control_re.sql   Documents   labs  oradiag_oracle
Public  temp   utl_dir
```

데이터 파일은 backup으로부터, 컨트롤 파일과 리두 로그 파일은 현재 PROD1로부터 가져온다.

```
SYS@PROD1>! cp -av /home/oracle/backup/arch/coldBU_6/*.dbf /home/oracle/temp/
`/home/oracle/backup/arch/coldBU_6/example01.dbf' -> `/home/oracle/temp/example01.dbf'
`/home/oracle/backup/arch/coldBU_6/sysaux01.dbf' -> `/home/oracle/temp/sysaux01.dbf'
`/home/oracle/backup/arch/coldBU_6/system01.dbf' -> `/home/oracle/temp/system01.dbf'
`/home/oracle/backup/arch/coldBU_6/temp01.dbf' -> `/home/oracle/temp/temp01.dbf'
`/home/oracle/backup/arch/coldBU_6/undotbs01.dbf' -> `/home/oracle/temp/undotbs01.dbf'
`/home/oracle/backup/arch/coldBU_6/users01.dbf' -> `/home/oracle/temp/users01.dbf'

SYS@PROD1>! cp -av /u01/app/oracle/oradata/PROD1/*.ctl /home/oracle/temp/
`/u01/app/oracle/oradata/PROD1/control01.ctl' -> `/home/oracle/temp/control01.ctl'

SYS@PROD1>! cp -av /u01/app/oracle/oradata/PROD1/*.log /home/oracle/temp/
`/u01/app/oracle/oradata/PROD1/redo01.log' -> `/home/oracle/temp/redo01.log'
`/u01/app/oracle/oradata/PROD1/redo02.log' -> `/home/oracle/temp/redo02.log'
`/u01/app/oracle/oradata/PROD1/redo03.log' -> `/home/oracle/temp/redo03.log'
`/u01/app/oracle/oradata/PROD1/redo04.log' -> `/home/oracle/temp/redo04.log'

SYS@PROD1>! ls /home/oracle/temp
control01.ctl  redo01.log  redo03.log  sysaux01.dbf  temp01.dbf     users01.dbf
example01.dbf  redo02.log  redo04.log  system01.dbf  undotbs01.dbf
```

PFILE에서 컨트롤 파일 경로를 수정한 후 temp DB 상태를 MOUNT 단계까지 올린다.

```
[oracle@edydr1p1 ~]$ cd $ORACLE_HOME/dbs

[oracle@edydr1p1 dbs]$ ls
hc_em12rep.dat  hc_PROD1.dat  initPROD1.ora  lkORCL   orapwem12rep  orapwPROD1
spfileorcl.ora  hc_orcl.dat     init.ora      lkEM12REP      lkPROD1  orapworcl
spfileem12rep.ora  spfilePROD1.ora

[oracle@edydr1p1 dbs]$ vi initPROD1.ora

PROD1.__data_transfer_cache_size=0
PROD1.__db_cache_size=838860800
PROD1.__java_pool_size=16777216
PROD1.__large_pool_size=33554432
PROD1.__oracle_base='/u01/app/oracle'#ORACLE_BASE set from environment
PROD1.__pga_aggregate_target=419430400
PROD1.__sga_target=1241513984
PROD1.__shared_io_pool_size=50331648
PROD1.__shared_pool_size=285212672
PROD1.__streams_pool_size=0
*.audit_file_dest='/u01/app/oracle/admin/PROD1/adump'
*.audit_trail='db'
*.compatible='12.1.0.2.0'
*.control_files='/home/oracle/temp/control01.ctl'
*.db_block_size=8192
*.db_domain=''
*.db_name='PROD1'
*.diagnostic_dest='/u01/app/oracle'
*.dispatchers='(PROTOCOL=TCP) (SERVICE=PROD1XDB)'
*.local_listener='LISTENER_PROD1'
*.log_archive_dest_1='location=/home/oracle/arch1 mandatory'
*.log_archive_format='arch_%t_%s_%r.arc'
*.open_cursors=300
*.pga_aggregate_target=390m
*.processes=300
*.remote_login_passwordfile='EXCLUSIVE'
*.sga_target=1170m
*.undo_tablespace='UNDOTBS1'
*.utl_file_dir='/home/oracle/utl_dir'
```

```
[oracle@edydr1p1 ~]$ sqlplus / as sysdba
Connected to an idle instance.

SYS@PROD1>select status
  2  from v$instance;
select status
*
ERROR at line 1:
ORA-01034: ORACLE not available
Process ID: 0
Session ID: 0 Serial number: 0

SYS@PROD1>startup pfile=$ORACLE_HOME/dbs/initPROD1.ora mount
ORACLE instance started.

Total System Global Area 1241513984 bytes
Fixed Size                  2923872 bytes
Variable Size             452985504 bytes
Database Buffers          771751936 bytes
Redo Buffers               13852672 bytes
Database mounted.


SYS@PROD1>select name
  2  from v$controlfile;

NAME
--------------------------------------------------
/home/oracle/temp/control01.ctl

1 row selected.
```

데이터 파일 이름을 바꾸고 복구작업과 관련없는 파일은 OFFLINE으로 변경한다.

```
SYS@PROD1>select name, status
  2  from v$datafile;

NAME                                               STATUS
-------------------------------------------------- -------
/u01/app/oracle/oradata/PROD1/system01.dbf         SYSTEM
/u01/app/oracle/oradata/PROD1/sysaux01.dbf         ONLINE
/u01/app/oracle/oradata/PROD1/undotbs01.dbf        ONLINE
/u01/app/oracle/oradata/PROD1/example01.dbf        ONLINE
/u01/app/oracle/oradata/PROD1/users01.dbf          ONLINE

5 rows selected.


SYS@PROD1>alter database rename file '/u01/app/oracle/oradata/PROD1/system01.dbf' to
'/home/oracle/temp/system01.dbf';

Database altered.


SYS@PROD1>alter database rename file '/u01/app/oracle/oradata/PROD1/sysaux01.dbf' to
'/home/oracle/temp/sysaux01.dbf';

Database altered.
```

```
SYS@PROD1>alter database rename file '/u01/app/oracle/oradata/PROD1/undotbs01.dbf'
to '/home/oracle/temp/undotbs01.dbf';

Database altered.

SYS@PROD1>alter database rename file '/u01/app/oracle/oradata/PROD1/users01.dbf' to
'/home/oracle/temp/users01.dbf';

Database altered.

SYS@PROD1>alter database datafile '/u01/app/oracle/oradata/PROD1/example01.dbf'
offline;

Database altered.


SYS@PROD1>select name, status
  2  from v$datafile;

NAME                                               STATUS
-------------------------------------------------- -------
/home/oracle/temp/system01.dbf                     SYSTEM
/home/oracle/temp/sysaux01.dbf                     ONLINE
/home/oracle/temp/undotbs01.dbf                    ONLINE
/u01/app/oracle/oradata/PROD1/example01.dbf        OFFLINE
/home/oracle/temp/users01.dbf                      ONLINE

5 rows selected.
```

리두 로그 파일도 이름을 바꿔준다.

```
SYS@PROD1>select member
  2  from v$logfile;

MEMBER
--------------------------------------------------
/u01/app/oracle/oradata/PROD1/redo03.log
/u01/app/oracle/oradata/PROD1/redo02.log
/u01/app/oracle/oradata/PROD1/redo01.log

3 rows selected.


SYS@PROD1>alter database rename file '/u01/app/oracle/oradata/PROD1/redo01.log' to
'/home/oracle/temp/redo01.log';

Database altered.

SYS@PROD1>alter database rename file '/u01/app/oracle/oradata/PROD1/redo02.log' to
'/home/oracle/temp/redo02.log';

Database altered.

SYS@PROD1>alter database rename file '/u01/app/oracle/oradata/PROD1/redo03.log' to
'/home/oracle/temp/redo03.log';

Database altered.
```

```
SYS@PROD1>select member
  2  from v$logfile;

MEMBER
------------------------------------------------
/home/oracle/temp/redo03.log
/home/oracle/temp/redo02.log
/home/oracle/temp/redo01.log

3 rows selected.
```

복원작업을 마치면 복구한다.

* 리커버리 편의를 위해 시간 형식을 맞춰준다.

```
SYS@PROD1>alter session set nls_date_format = 'yyyy/mm/dd hh24:mi:ss';
Session altered.
```

* MOUNT 단계임을 확인한 후 Recovery 한다. 테이블을 삭제하기 전 이전 시점으로 돌아간다.

```
SYS@PROD1>select status
  2  from v$instance;

STATUS
------------
MOUNTED

1 row selected.

SYS@PROD1>recover database until time '2020/06/25 14:23:50';
ORA-00279: change 2436438 generated at 06/24/2020 14:20:17 needed for thread 1
ORA-00289: suggestion : /home/oracle/arch1/arch_1_6_1043935856.arc
ORA-00280: change 2436438 for thread 1 is in sequence #6

Specify log: {<RET>=suggested | filename | AUTO | CANCEL}

Log applied.
Media recovery complete.

SYS@PROD1>alter database open;
alter database open
*
ERROR at line 1:
ORA-01589: must use RESETLOGS or NORESETLOGS option for database open


SYS@PROD1>alter database open resetlogs;
Database altered.

SYS@PROD1>select count(*)
  2  from scott.emp_n;

  COUNT(*)
----------
       107

1 row selected.
```

복구를 완료했으면 사용자 계정으로 들어가 해당 테이블의 덤프파일을 추출한다.

```
SYS@PROD1>conn scott/tiger
ERROR:
ORA-28000: the account is locked

SYS@PROD1>alter user scott identified by tiger account unlock;
User altered.

[oracle@edydr1p1 ~]$ exp scott/tiger tables=emp_n file=emp_n.dmp

Export: Release 12.1.0.2.0 - Production on Thu Jun 25 15:09:29 2020

Copyright (c) 1982, 2014, Oracle and/or its affiliates.  All rights reserved.

Connected to: Oracle Database 12c Enterprise Edition Release 12.1.0.2.0 - 64bit Production
With the Partitioning, OLAP, Advanced Analytics and Real Application Testing options
Export done in US7ASCII character set and AL16UTF16 NCHAR character set
server uses WE8MSWIN1252 character set (possible charset conversion)

About to export specified tables via Conventional Path ...
. . exporting table                         EMP_N        107 rows exported
EXP-00091: Exporting questionable statistics.
Export terminated successfully with warnings.
```

* 디렉토리 내의 모든 내용을 리스트 형식으로 출력, 시간 순으로 정렬해서 본다.

```
[oracle@edydr1p1 ~]$ ls -alt emp_n.dmp
-rw-r--r-- 1 oracle oinstall 24576 Jun 25 15:09 emp_n.dmp
```

추출한 덤프를 import시킬 PROD1 상태를 확인한다.

```
SYS@PROD1>select instance_name, status
  2  from v$instance;

INSTANCE_NAME    STATUS
---------------- ------------
PROD1            OPEN

1 row selected.


SYS@PROD1>show parameter pfile;

NAME                                 TYPE        VALUE
------------------------------------ ----------- ------------------------------
spfile                               string


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

SYS@PROD1>startup
ORACLE instance started.
...
Database mounted.
Database opened.
```

```
SYS@PROD1>show parameter spfile

NAME                                 TYPE        VALUE
------------------------------------ ----------- ------------------------------
spfile                               string      /u01/app/oracle/product/12.1.0
                                                 /dbhome_1/dbs/spfilePROD1.ora
SYS@PROD1>select name
  2  from v$controlfile;

NAME
--------------------------------------------------
/u01/app/oracle/oradata/PROD1/control01.ctl

1 row selected.


SYS@PROD1>select name, status
  2  from v$datafile;

NAME                                               STATUS
-------------------------------------------------- -------
/u01/app/oracle/oradata/PROD1/system01.dbf         SYSTEM
/u01/app/oracle/oradata/PROD1/sysaux01.dbf         ONLINE
/u01/app/oracle/oradata/PROD1/undotbs01.dbf        ONLINE
/u01/app/oracle/oradata/PROD1/example01.dbf        ONLINE
/u01/app/oracle/oradata/PROD1/users01.dbf          ONLINE

5 rows selected.


SYS@PROD1>select member
  2  from v$logfile;

MEMBER
--------------------------------------------------
/u01/app/oracle/oradata/PROD1/redo03.log
/u01/app/oracle/oradata/PROD1/redo02.log
/u01/app/oracle/oradata/PROD1/redo01.log

3 rows selected.


SYS@PROD1>select count(*)
  2  from scott.emp_n;
from scott.emp_n
           *
ERROR at line 2:
ORA-00942: table or view does not exist
```

상태 확인이 끝나면 덤프를 import한다.

```
[oracle@edydr1p1 ~]$ imp scott/tiger tables=emp_n file=emp_n.dmp

Import: Release 12.1.0.2.0 - Production on Thu Jun 25 15:15:13 2020

Copyright (c) 1982, 2014, Oracle and/or its affiliates.  All rights reserved.

Connected to: Oracle Database 12c Enterprise Edition Release 12.1.0.2.0 - 64bit Production
With the Partitioning, OLAP, Advanced Analytics and Real Application Testing options

Export file created by EXPORT:V12.01.00 via conventional path
import done in US7ASCII character set and AL16UTF16 NCHAR character set
import server uses WE8MSWIN1252 character set (possible charset conversion)
. importing SCOTT's objects into SCOTT
. importing SCOTT's objects into SCOTT
. . importing table                          "EMP_N"        107 rows imported
Import terminated successfully without warnings.
```

잠깐!! import 시 다음 오류가 뜨면 사용자 계정의 LOCK을 풀고 다시 진행하자.

```
Import: Release 12.1.0.2.0 - Production on Thu Jun 25 15:13:41 2020

Copyright (c) 1982, 2014, Oracle and/or its affiliates.  All rights reserved.

IMP-00058: ORACLE error 28000 encountered
ORA-28000: the account is lockedUsername:
Password:


SYS@PROD1>alter user scott identified by tiger
  2  account unlock;

User altered.
```

복구 후에 데이터 파일, 컨트롤 파일, 리두 로그 파일이 정상 작동하고 있는지 조회해본다.

```
[oracle@edydr1p1 ~]$ sqlplus / as sysdba

SYS@PROD1>select count(*)
  2  from scott.emp_n;

  COUNT(*)
----------
       107

1 row selected.


SYS@PROD1>show parameter spfile;

NAME                                 TYPE        VALUE
------------------------------------ ----------- ------------------------------
spfile                               string      /u01/app/oracle/product/12.1.0
                                                 /dbhome_1/dbs/spfilePROD1.ora

SYS@PROD1>alter system switch logfile;
System altered.
```

… 두번 더 실행

임시로 썼던 temp 디렉토리와 PFILE을 모두 지운다.

```
[oracle@edydr1p1 ~]$ ls
afiedt.buf  arch2   bea             Desktop    Downloads  labs   oradiag_oracle
Public  temp        utl_dir   arch1       backup  control_re.sql  Documents
emp_n.dmp  Music  Pictures        solns   Templates  Videos

[oracle@edydr1p1 ~]$ rm -rf temp

[oracle@edydr1p1 ~]$ ls
afiedt.buf  arch2   bea             Desktop    Downloads  labs   oradiag_oracle
Public  Templates  Videos  arch1       backup  control_re.sql  Documents  emp_n.dmp
Music  Pictures        solns   utl_dir

[oracle@edydr1p1 ~]$ cd $ORACLE_HOME/dbs
[oracle@edydr1p1 dbs]$ ls
hc_em12rep.dat  hc_PROD1.dat  initPROD1.ora  lkORCL   orapwem12rep  orapwPROD1
spfileorcl.ora  hc_orcl.dat     init.ora      lkEM12REP      lkPROD1  orapworcl
spfileem12rep.ora  spfilePROD1.ora

[oracle@edydr1p1 dbs]$ rm initPROD1.ora

[oracle@edydr1p1 dbs]$ ls
hc_em12rep.dat  hc_PROD1.dat  lkEM12REP  lkPROD1       orapworcl   spfileem12rep.ora
spfilePROD1.ora hc_orcl.dat     init.ora      lkORCL     orapwem12rep  orapwPROD1
spfileorcl.ora
```