

데이터베이스 수동 삭제 및 생성

1. 데이터베이스 삭제

데이터베이스를 삭제한다.

```
SYS@PROD>shutdown immediate
```

Database closed.

Database dismounted.

ORACLE instance shut down.

```
SYS@PROD>startup mount exclusive restrict
```

ORACLE instance started.

Total System Global Area 1653518336 bytes

Fixed Size 2228904 bytes

Variable Size 973081944 bytes

Database Buffers 671088640 bytes

Redo Buffers 7118848 bytes

Database mounted.

※ DB 구동 시 옵션

- exclusive : 일반 사용자 접속 금지

- restrict : DBA 권한을 가진 사용자만 접속하여 사용

```
SYS@PROD>drop database;
```

Database dropped.

```
@>exit
```

2. 데이터베이스 수동 생성

OS 레벨에서도 파일을 지워준다. (-r 옵션으로 PROD 폴더의 하위 파일까지 모두 지운다)

```
[oracle@host01 ~]$ ls -l /u01/app/oracle/oradata/PROD
```

total 0

```
[oracle@host01 ~]$ ls -l $ORACLE_HOME/dbs
```

total 16

-rw-rw---- 1 oracle oinstall 1544 Jun 5 17:46 hc_PROD.dat

-rw-r--r-- 1 oracle oinstall 2851 May 15 2009 init.ora

-rw-r----- 1 oracle oinstall 24 Jun 5 17:46 lkPROD

-rw-r----- 1 oracle oinstall 1536 Jun 5 17:50 orapwPROD

```
[oracle@host01 ~]$ rm -rf /u01/app/oracle/oradata/PROD
```

PROD 디렉토리 재생성

```
[oracle@host01 ~]$ mkdir -p /u01/app/oracle/oradata/PROD
```

PFILE 재생성

```
[oracle@host01 ~]$ cd $ORACLE_HOME/dbs
[oracle@host01 dbs]$ rm orapwPROD
[oracle@host01 dbs]$ orapwd file=orapwPROD password=oracle_4U

[oracle@host01 dbs]$ cat >> initPROD.ora <<EOF

db_name=PROD
service_names=PROD
control_files='/u01/app/oracle/oradata/PROD/control01.ctl','/u01/app/oracle/oradata/PROD/control02.ctl'
sga_target=400M
pga_aggregate_target=150M
db_block_size=8192
remote_login_passwordfile='EXCLUSIVE'
undo_tablespace='UNDOTBS1'
EOF
```

PFILE로부터 SPFILE을 생성한 후 NOMOUNT 상태로 올린다.

```
[oracle@host01 dbs]$ sqlplus / as sysdba

SYS@PROD> CREATE SPFILE FROM PFILE;
SYS@PROD> STARTUP NOMOUNT
```

데이터베이스를 CREATE 명령어로 생성한다.

```
SYS@PROD>CREATE DATABASE PROD
 2  USER SYS IDENTIFIED BY oracle_4U
 3  USER SYSTEM IDENTIFIED BY oracle_4U
 4  LOGFILE GROUP 1
 ('/u01/app/oracle/oradata/PROD/redo01a.log','/u01/app/oracle/oradata/PROD/redo01b.lo
g') SIZE 100M,
 5  GROUP 2
 ('/u01/app/oracle/oradata/PROD/redo02a.log','/u01/app/oracle/oradata/PROD/redo02b.lo
g') SIZE 100M
 6  CHARACTER SET AL32UTF8
 7  NATIONAL CHARACTER SET AL16UTF16
 8  EXTENT MANAGEMENT LOCAL
 9  DATAFILE '/u01/app/oracle/oradata/PROD/system01.dbf' SIZE 400M AUTOEXTEND ON
SYSAUX
10  DATAFILE '/u01/app/oracle/oradata/PROD/sysaux01.dbf' SIZE 200M AUTOEXTEND ON
DEFAULT TABLESPACE USERS
11  DATAFILE '/u01/app/oracle/oradata/PROD/users01.dbf' SIZE 50M AUTOEXTEND ON
DEFAULT TEMPORARY TABLESPACE TEMP
12  TEMPFILE '/u01/app/oracle/oradata/PROD/temp01.dbf' SIZE 100M AUTOEXTEND ON UNDO
TABLESPACE UNDOTBS1
13  DATAFILE '/u01/app/oracle/oradata/PROD/undotbs01.dbf' SIZE 200M AUTOEXTEND ON;

Database created.
```

CATALOG.SQL : DATA dictionary view, Dynamic performance view 생성

```
SYS@PROD> @?/rdbms/admin/catalog.sql
```

```
....
```

```
View created.
```

```
Comment created.
```

```
Synonym created.
```

```
Grant succeeded.
```

```
Synonym created.
```

```
Grant succeeded.
```

```
...
```

```
PL/SQL procedure successfully completed.
```

```
TIMESTAMP
```

```
-----  
COMP_TIMESTAMP CATALOG      2020-07-10 14:45:00
```

```
_USER'@'_CONNECT_IDENTIFIER> (enter)
```

CATPROC.SQL : PL/SQL 관련된 패키지 및 프로시저를 생성

```
SYS@PROD> @?/rdbms/admin/catproc.sql
```

```
....
```

```
SYS@PROD>Rem Indicate CATPROC load complete and check validity
```

```
SYS@PROD>BEGIN
```

```
2      dbms_registry.update_schema_list('CATPROC',  
3      dbms_registry.schema_list_t('SYSTEM', 'OUTLN', 'DBSNMP', 'DIP',  
4      'ORACLE_OCM', 'APPQOSSYS'));  
5      dbms_registry.loaded('CATPROC');  
6      dbms_registry_sys.validate_catproc;  
7      dbms_registry_sys.validate_catalog;  
8  END;  
9  /
```

```
PL/SQL procedure successfully completed.
```

```
TIMESTAMP
```

```
-----  
COMP_TIMESTAMP CATPROC      2020-07-10 14:54:46
```

```
1 row selected.
```

```
....
```

SYSTEM 계정으로 접속

```
SYS@PROD>connect system/oracle_4U
```

```
Connected.
```

PUPBLD.SQL : Product User Profile 테이블 및 관련 프로시저를 생성

```
SYSTEM@PROD>@?/sqlplus/admin/pupbld.sql
```

```
....
```

```
SYSTEM@PROD>-- End of pupbld.sql
```

```
....
```

```
SYSTEM@PROD>exit
```

만든 데이터베이스 정보 확인

```
[oracle@host1 ~]$ cat /etc/oratab
```

```
#
# This file is used by ORACLE utilities.  It is created by root.sh
# and updated by either Database Configuration Assistant while creating
# a database or ASM Configuration Assistant while creating ASM instance.
#
# A colon, ':', is used as the field terminator.  A new line terminates
# the entry.  Lines beginning with a pound sign, '#', are comments.
#
# Entries are of the form:
#   $ORACLE_SID:$ORACLE_HOME:<N|Y>:
#
# The first and second fields are the system identifier and home
# directory of the database respectively.  The third field indicates
# to the dbstart utility that the database should , "Y", or should not,
# "N", be brought up at system boot time.
#
# Multiple entries with the same $ORACLE_SID are not allowed.
#
#
PROD:/u01/app/oracle/product/11.2.0.3/dbhome_1:N (자동실행여부)
```

PROD에 정상접속 되는지 확인

```
[oracle@host1 ~]$ . oraenv
```

```
ORACLE_SID = [PROD] ? PROD
```

```
The Oracle base remains unchanged with value /u01/app/oracle
```

```
[oracle@host1 ~]$ sqlplus / as sysdba
```

```
SQL*Plus: Release 11.2.0.3.0 Production on Fri Jul 10 15:05:56 2020
Copyright (c) 1982, 2011, Oracle. All rights reserved.
```

```
Connected to:
```

```
Oracle Database 11g Enterprise Edition Release 11.2.0.3.0 - 64bit Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options
```

```
SYS@PROD>
```