



??

?? DB ????? Instance ?????? DBA ?????? DB ?????? Instance ?????? SID??? instance ?????? Application?

- Oracle 10gR2
- ?? Instance
  1. SID: win
  2. spfile: \$ORACLE\_HOME/dbs/spfilewin.ora
- ?? Instance
  1. SID: win\_new

????

- ??? Oracle Database Server
- ?????? SYS/SYSTEM ?? DB
- ???? RAM ??
- ???????????

??

??? SID

```
su - oracle
export ORACLE_SID=win_new
export NLS_LANG=AMERICAN_AMERICA.WE8ISO8859P1
```

TIPS:

```
?? NLS_LANG
SQL> select userenv('language') from dual;
```

?? pfile

???? instance ? pfile ????

pfilewin.ora???? Instance - win?

```
win.__db_cache_size=88080384
win.__java_pool_size=4194304
win.__large_pool_size=4194304
win.__shared_pool_size=171966464
win.__streams_pool_size=4194304
*.audit_file_dest='/opt/oracle/admin/win/adump'
*.background_dump_dest='/opt/oracle/admin/win/bdump'
*.compatible='10.2.0.1.0'
*.control_files='/opt/oracle/oradata/win/control01.ctl','/opt/oracle/oradata/win/control02.ctl','/opt/oracle/oradata/win/control03.ctl'
*.core_dump_dest='/opt/oracle/admin/win/cdump'
*.db_block_size=8192
*.db_domain=''
```

```
*.db_file_multiblock_read_count=16
*.db_name='win'
*.db_recovery_file_dest='/opt/oracle/flash_recovery_area'
*.db_recovery_file_dest_size=2147483648
*.dispatchers='(PROTOCOL=TCP) (SERVICE=winXDB)'
*.job_queue_processes=10
*.open_cursors=300
*.pga_aggregate_target=93323264
*.processes=150
*.remote_login_passwordfile='EXCLUSIVE'
*.sga_target=281018368
*.undo_management='AUTO'
*.undo_tablespace='UNDOTBS1'
*.user_dump_dest='/opt/oracle/admin/win/udump'
```

?? pfile ?????????? pfilewin\_new.ora

- ????? win.xxxx ??
- ?????? win ??? win\_new
- db\_block\_size ? DB ?????????? 8192
- db\_name ????? SID
- db\_files ?????????? 200?
- sga\_target ??????????????2G = 2147483648?

```
*.audit_file_dest='/opt/oracle/admin/win_new/adump'
*.background_dump_dest='/opt/oracle/admin/win_new/bdump'
*.compatible='10.2.0.1.0'
*.control_files='/opt/oracle/oradata/win_new/control01.ctl','/opt/oracle/oradata/win_new/control02.ctl','/opt/oracle/oradata/win_new/control03.ctl'
*.core_dump_dest='/opt/oracle/admin/win_new/cdump'
*.db_block_size=8192
*.db_domain=''
*.db_file_multiblock_read_count=16
*.db_files=1000
*.db_name='win_new'
*.db_recovery_file_dest='/opt/oracle/flash_recovery_area'
*.db_recovery_file_dest_size=2147483648
*.dispatchers='(PROTOCOL=TCP) (SERVICE=win_newXDB)'
*.job_queue_processes=10
*.open_cursors=300
*.pga_aggregate_target=93323264
*.processes=150
*.remote_login_passwordfile='EXCLUSIVE'
*.sga_target=281018368
*.undo_management='AUTO'
*.undo_tablespace='UNDOTBS1'
*.user_dump_dest='/opt/oracle/admin/win_new/udump'
```

?????????

```
su - oracle
mkdir -p /opt/oracle/admin/win_new/adump
mkdir -p /opt/oracle/admin/win_new/bdump
mkdir -p /opt/oracle/admin/win_new/cdump
mkdir -p /opt/oracle/admin/win_new/udump
mkdir /opt/oracle/oradata/win_new
mkdir /opt/oracle/flash_recovery_area/WIN_NEW
```

?? oratab

```
/etc/oratab
???? root
```

```
win:/opt/oracle/product/10.2.0/db_1:N
win_new:/opt/oracle/product/10.2.0/db_1:N <== ????
```

TIP:

```
??? <ORACLE_SID>:<ORACLE_HOME>;N
```

?? spfile

NOTE: spfile ??????\$/ORACLE\_HOME/dbs/spfile<SID>.ora

```
export ORACLE_SID=win_new
sqlplus /nolog
```

```
SQL> connect / as sysdba
SQL> create spfile='/opt/oracle/product/10.2.0/db_1/dbs/spfilewin_new.ora' from pfile='/opt/oracle/
product/10.2.0/db_1/dbs/pfilewin_new.ora';
SQL> exit
```

?? Instance

```
export ORACLE_SID=win_new
sqlplus /nolog
```

```
SQL> connect / as sysdba
SQL> startup nomount
SQL> shutdown
```

?????

?? createDB.sql

```
CREATE DATABASE win_new
  USER SYS IDENTIFIED BY mypass
```

```

USER SYSTEM IDENTIFIED BY mypass
LOGFILE GROUP 1 ('/opt/oracle/oradata/win_new/redo01.log') SIZE 100M,
  GROUP 2 ('/opt/oracle/oradata/win_new/redo02.log') SIZE 100M,
  GROUP 3 ('/opt/oracle/oradata/win_new/redo03.log') SIZE 100M
MAXLOGFILES 5
MAXLOGMEMBERS 5
MAXLOGHISTORY 1
MAXDATAFILES 100
MAXINSTANCES 1
CHARACTER SET WE8ISO8859P1
NATIONAL CHARACTER SET AL16UTF16
DATAFILE '/opt/oracle/oradata/win_new/system01.dbf'
  SIZE 325M REUSE AUTOEXTEND ON MAXSIZE 32767M
SYSAUX DATAFILE '/opt/oracle/oradata/win_new/sysaux01.dbf'
  SIZE 325M REUSE AUTOEXTEND ON MAXSIZE 10240M
DEFAULT TEMPORARY TABLESPACE temp
  TEMPFILE '/opt/oracle/oradata/win_new/temp01.dbf'
  SIZE 500M REUSE AUTOEXTEND ON MAXSIZE 2048M
UNDO TABLESPACE undotbs1
  DATAFILE '/opt/oracle/oradata/win_new/undotbs01.dbf'
  SIZE 200M REUSE AUTOEXTEND ON MAXSIZE UNLIMITED;

```

## TIPS:

```

????? Database ? CHARACTER ??
?? select * from nls_database_parameters;
- NLS_CHARACTERSET WE8ISO8859P1
- NLS_NCHAR_CHARACTERSET AL16UTF16

UNDO TABLESPACE name ??? undotbs1??? spfile ???

TEMPORARY TABLESPACE temp ????? MAXSIZE

redo LOG ??? 2G x 4

```

```
?? createDB.sql
```

```
export ORACLE_SID=win_new
sqlplus /nolog
```

```
SQL> connect / as sysdba
SQL> startup nomount
SQL> @createDB.sql
```

## TIPS:

```
???? DB ?????? alert_xxx.log ? trace log
```

???????? DB ???? [Create/Drop Database](#)

## ?? catalog

SQL> @?/rdbms/admin/catalog.sql

SQL> @?/rdbms/admin/catproc.sql

SQL> conn system/pass

SQL> @?/sqlplus/admin/pupbld.sql

TIPS:

CATALOG.SQL Creates the views of the data dictionary tables, the dynamic performance views, and public synonyms for many of the views. Grants PUBLIC access to the synonyms.

CATPROC.SQL Runs all scripts required for or used with PL/SQL.

PUPBLD.SQL Create user profiles???? SYSTEM ??? DB?

????? SQL ??? [http://docs.oracle.com/cd/B14117\\_01/...s.htm#REFRN005](http://docs.oracle.com/cd/B14117_01/...s.htm#REFRN005)

Verify the Dictionary views created

SQL> select name from v\$database;

## ?? DB

SQL> conn / as sysdba

SQL> shutdown

SQL> startup

## ?? Listener

lsnrctl stop

lsnrctl start

????

- [How to create database manually in oracle 10g](#)
- [Manual Database Creation in Oracle 10g](#)
- [How to create an instance of Oracle database using DBCA command line tool?](#)
- [Oracle Doc] [Creating an Oracle Database](#)
- [Creating Oracle 11g Database manually in 11 steps in Unix-based Operating system](#)