

CIS119DP – ORACLE DATABASE ADMINISTRATION

CREATING A DATABASE IN WINDOWS

Where <SID> is the name of the database you are creating

1. Set Up Your Windows Environment in DOS Shell:

```
Start-> Run -> cmd [ENTER]
$ set ORACLE_HOME=<ORACLE_HOME>
$ set ORACLE_SID=<SID>
$ echo %PATH%
$ set PATH=(retype path here taking other %ORACLE_HOME%\bin out of path)
$ echo %ORACLE_HOME%
$ echo %ORACLE_SID%
$ echo %PATH%
```

and double-check the settings

2. Run oradim to set up service and password file:

```
$ oradim -new -sid <SID> -intpwd <pwf password> -srv OracleService<SID>
```

3. Check for Running Service:

Start-> Settings -> Control Panel -> Admin Tools-> Services

Look for OracleService<SID> and make sure that it is running

4. Edit init<SID>.ora:

In notepad or wordpad edit the files making sure that any directories referenced exist and that all SID names are the new sid. Decide on block size and nls_lang as these cannot be changed at a later date. Make certain that when saving files you type on the .ora or .sql and select *All files as the file type or your file will be saved with a .txt.

5. Edit Create Database Script :

In notepad or wordpad edit the create database script. Make certain that when saving files you type on the .ora or .sql and select *All files as the file type or your file will be saved with a .txt.

6. Nomount Database :

Open new DOS Shell and reset environment in above or use previous DOS Shell:

```
$ sqlplus /nolog
```

Make sure the sqlplus banner displays the version of oracle you wish to create the database in, else correct the path above and try again

```
SQL> connect sys/<pwf password> as sysdba
```

Must see the message : Connected to an Idle Instance

If you see any errors, correct your init<SID>.ora and try again

7. Run Create Database Script:

```
SQL> startup nomount pfile=<path to pfile or put in default loc>
SQL> @cr_database_script (whatever you called it)
```

8. If you get any errors when running create database script:

- SQL> Shutdown Immediate
- SQL> exit
- Correct the error in the create database script
- Clean up any files which were created (.dbf, .ctl, .log)
- Start-> Settings -> Control Panel -> Admin Tools-> Services
- Stop and start the OracleService<SID> (Right Click)
- Start at step 5

9. Create Data Dictionary and Procedures:

```
SQL> spool cat.out
SQL> connect sys/change_on_install
SQL> @%ORACLE_HOME%\rdbms\admin\catalog.sql
SQL> @%ORACLE_HOME%\rdbms\admin\catproc.
SQL> spool off
SQL> connect system/manager
SQL> @%ORACLE_HOME%\sqlplus\admin\pupbld.sql
```

Review cat.out for errors other than object does not already exist

10. Post Install Steps (some are optional):

Create user tablespaces
 Create additional rollback segments
 Change sys and system password
 Create spfile (Oracle 9.x only)
 Create additional users
 Add listener.ora and tnsnames.ora entries
 Turn on archive log mode