CREATE NEW DB IN Oracle 11g XE

Step 1:  Create suitable directory for new database.

C:\oraclexe\app\oracle\admin\XE2

Step 2: Open CMD as Administrator. Create new instance for new database

C:\Windows\system32>

**oradim -new -sid xe2**

Instance created.

Step 3 : Create password file for new database

C:\Windows\system32>

**orapwd file=C:\oraclexe\app\oracle\product\11.2.0\server\database\PWDXE2.ora password=admin**

Step 4 : Create New pfile like below

xe.\_\_db\_cache\_size=117440512

xe.\_\_java\_pool\_size=4194304

xe.\_\_large\_pool\_size=8388608

xe.\_\_oracle\_base='C:\oraclexe\app\oracle'#ORACLE\_BASE set from environment

xe.\_\_pga\_aggregate\_target=188743680

xe.\_\_sga\_target=566231040

xe.\_\_shared\_io\_pool\_size=92274688

xe.\_\_shared\_pool\_size=335544320

xe.\_\_streams\_pool\_size=0

\*.audit\_file\_dest='C:\oraclexe\app\oracle\admin\XE2\adump'

\*.compatible='11.2.0.0.0'

\*.control\_files='C:\oraclexe\app\oracle\oradata\XE2\control.dbf'

\*.db\_name='XE2'

\*.DB\_RECOVERY\_FILE\_DEST\_SIZE=10G

\*.DB\_RECOVERY\_FILE\_DEST='C:\oraclexe\app\oracle\flash\_recovery\_area'

\*.diagnostic\_dest='C:\oraclexe\app\oracle'###########################################

\*.dispatchers='(PROTOCOL=TCP) (SERVICE=XE2XDB)'

\*.job\_queue\_processes=4

\*.local\_listener='(ADDRESS=(PROTOCOL=TCP)(HOST=AZAR-PC.ace-ins.com)(PORT=1522))'

\*.open\_cursors=300

\*.os\_authent\_prefix=''

\*.pga\_aggregate\_target=180M

\*.remote\_login\_passwordfile='EXCLUSIVE'

\*.sessions=20

\*.sga\_target=540M

\*.shared\_servers=4

\*.undo\_management='AUTO'

\*.undo\_tablespace='UNDOTBS1'

Step 5: Stratup nomount stage db using new pfile

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C:\Windows\system32>

**SET ORACLE\_SID=XE2**

C:\Windows\system32>sqlplus

SQL\*Plus: Release 11.2.0.2.0 Beta on Sun May 22 15:23:42 2011

Copyright (c) 1982, 2010, Oracle. All rights reserved.

Enter user-name: / as sysdba

Connected to an idle instance.

SQL> startup nomount pfile='c:\temp\initXE2.ora';

ORACLE instance started.

Total System Global Area 564957184 bytes

Fixed Size 1384956 bytes

Variable Size 171970052 bytes

Database Buffers 385875968 bytes

Redo Buffers 5726208 bytes

Step 6: Create Database Script  like below

create database XE2

MAXLOGFILES 16

MAXLOGMEMBERS 3

MAXDATAFILES 100

MAXINSTANCES 8

MAXLOGHISTORY 292

LOGFILE

GROUP 1 'D:\temp\redolog\REDO01.LOG' SIZE 50M BLOCKSIZE 512,

GROUP 2 'D:\temp\redolog\REDO02.LOG' SIZE 50M BLOCKSIZE 512

DATAFILE'C:\oraclexe\app\oracle\oradata\XE2\SYSTEM.DBF' size 100m autoextend on

sysaux datafile 'C:\oraclexe\app\oracle\oradata\XE2\SYSAUX.DBF' size 100m autoextend on

undo tablespace undotbs1 datafile 'C:\oraclexe\app\oracle\oradata\XE2\UNDOTBS1.DBF' size 100m autoextend on

CHARACTER SET AL32UTF8

;

Step 7: After created it, you can run at sql prompt

SQL> @D:\temp\create.sql

Database created.

Step 8: Now database was created, Check Instance status & Version

SQL> select status from v$instance;

STATUS

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OPEN

SQL> select \* from v$version;

BANNER

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Oracle Database 11g Express Edition Release 11.2.0.2.0 - Beta

PL/SQL Release 11.2.0.2.0 - Beta

CORE 11.2.0.2.0 Production

TNS for 32-bit Windows: Version 11.2.0.2.0 - Beta

NLSRTL Version 11.2.0.2.0 - Production

SQL>

The above newly created database is Express edition version.

And also RUN

SQL> @C:\oraclexe\app\oracle\product\11.2.0\server\rdbms\admin\catalog.sql

SQL> @C:\oraclexe\app\oracle\product\11.2.0\server\rdbms\admin\catproc.sql

Use SQL\*Plus to execute SQL, PL/SQL and SQL\*Plus statements.

Usage 1: sqlplus -H | -V

-H Displays the SQL\*Plus version and the usage help.

-V Displays the SQL\*Plus version.

Usage 2: sqlplus [ [<option>] [{logon | /nolog}] [<start>] ]

<option> is: [-C <version>] [-L] [-M "<options>"] [-R <level>] [-S]

-C <version> Sets the compatibility of affected commands to the

version specified by <version>. The version has

the form "x.y[.z]". For example, -C 10.2.0

-L Attempts to log on just once, instead of

reprompting on error.

-M "<options>" Sets automatic HTML markup of output. The options

have the form:

HTML [ON|OFF] [HEAD text] [BODY text] [TABLE text]

[ENTMAP {ON|OFF}] [SPOOL {ON|OFF}] [PRE[FORMAT] {ON|OFF}]

-R <level> Sets restricted mode to disable SQL\*Plus commands

that interact with the file system. The level can

be 1, 2 or 3. The most restrictive is -R 3 which

disables all user commands interacting with the

file system.

-S Sets silent mode which suppresses the display of

the SQL\*Plus banner, prompts, and echoing of

commands.

<logon> is: {<username>[/<password>][@<connect\_identifier>] | / } [AS {SYSDBA | SYSOPER | SYSASM}] [EDITION=value]

Specifies the database account username, password and connect identifier for the database connection. Without a connect identifier, SQL\*Plus connects to the default database.

The AS SYSDBA, AS SYSOPER and AS SYSASM options are database administration privileges.

The <connect\_identifier> can be in the form of Net Service Name or Easy Connect.

@[<net\_service\_name> | [//]Host[:Port]/<service\_name>]

where <net\_service\_name> is a simple name for a service that resolves to a connect descriptor.

Example: Connect to database using Net Service Name and the database net service name is ORCL.

sqlplus myusername/mypassword@ORCL

Host specifies the host name or IP address of the database server computer.

Port specifies the listening port on the database server.

<service\_name> specifies the service name of the database you want to access.

Example: Connect to database using Easy Connect and the Service name is ORCL.

sqlplus myusername/mypassword@Host/ORCL

The /NOLOG option starts SQL\*Plus without connecting to a database.

The EDITION specifies the value for Session Edition.

<start> is: @<URL>|<filename>[.<ext>] [<parameter> ...]

Runs the specified SQL\*Plus script from a web server (URL) or the local file system (filename.ext) with specified parameters that will be assigned to substitution variables in the script.

When SQL\*Plus starts, and after CONNECT commands, the site profile (e.g. $ORACLE\_HOME/sqlplus/admin/glogin.sql) and the user profile (e.g. login.sql in the working directory) are run. The files may contain SQL\*Plus commands.