CREATE NEW DB IN Oracle 11g XE

**Can we create additional database for Oracle Express Edition?**

by Mohamed Azar on May 22, 2011

Can we create new additional database for Oracle Expression Edition? Because No DBCA available in express edition, However we can create database using manual script.

We can follow way for normal database creation manual steps only…

Consider new Database Name is “XETEST”

Step 1:  Create suitable directory for new database.

like below

C:\oraclexe\app\oracle\admin\XETEST

* adump

* dpdump

* pfile

C:\oraclexe\app\oracle\oradata\XETEST

Step 2: Create new instance for new database

C:\Windows\system32>oradim -new -sid xetest

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\PWDXETEST.ora password=sysxe

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\XETEST\adump'

\*.compatible='11.2.0.0.0'

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

\*.db\_name='XETEST'

\*.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=XETESTXDB)'

\*.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=XETEST

C:\Windows\system32>sqlplus

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

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Enter user-name: / as sysdba

Connected to an idle instance.

SQL> startup nomount pfile='d:\temp\initXETEST.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 XETEST

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\XETEST\SYSTEM.DBF' size 100m autoextend on

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

undo tablespace undotbs1 datafile 'C:\oraclexe\app\oracle\oradata\XETEST\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