# 1. TableSpace

TableSpace là nơi để lưu các table này nọ.

Tạo TableSpace trong daito:

Create tablespace DEFAULTTBS and add datafile into (1 big datafile style)

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CREATE BIGFILE TABLESPACE DEFAULTTBS

DATAFILE

'D:\app\oracle\oradata\orcl\KOD551\DATAFILE\DEFAULTTBS\_F1.DBF' SIZE 120170151936 AUTOEXTEND ON NEXT 8192 MAXSIZE 35184372064256

BLOCKSIZE 8192

DEFAULT NOCOMPRESS NO INMEMORY

ONLINE

SEGMENT SPACE MANAGEMENT AUTO

EXTENT MANAGEMENT LOCAL AUTOALLOCATE;

Create others tablespaceadd datafile into (BLOCKSIZE 16K must be the same with DEFAULTTBS)

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CREATE TABLESPACE IOT\_TABLESPACE\_OVERFLOW DATAFILE 'D:\app\oracle\oradata\orcl\KOD551\DATAFILE\IOT\_TABLESPACE\_OVERFLOW\_f1.dbf' SIZE 50M EXTENT MANAGEMENT LOCAL UNIFORM SIZE 256K BLOCKSIZE 8K;

ALTER DATABASE DATAFILE 'D:\app\oracle\oradata\orcl\KOD551\DATAFILE\IOT\_TABLESPACE\_OVERFLOW\_f1.dbf' AUTOEXTEND ON MAXSIZE UNLIMITED;

CREATE TABLESPACE IOT\_TABLESPACE DATAFILE 'D:\app\oracle\oradata\orcl\KOD551\DATAFILE\IOT\_TABLESPACE\_f1.dbf' SIZE 50M EXTENT MANAGEMENT LOCAL UNIFORM SIZE 256K BLOCKSIZE 8K;

ALTER DATABASE DATAFILE 'D:\app\oracle\oradata\orcl\KOD551\DATAFILE\IOT\_TABLESPACE\_f1.dbf' AUTOEXTEND ON MAXSIZE UNLIMITED;

Import DB from DPUMP (impdp is a standalone utility, not a SQL\*Plus command. You need to run it from the OS command line.) !important

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create directory KOD551\_DATA\_PUMP\_DIR as 'C:\Daito-Note\FT\'; (MAKE SURE D:\daito\_pump\ FOLDER WAS FULL CONTROL PERMISSION)

grant read,write on directory KOD551\_DATA\_PUMP\_DIR to system;

--import schema by schema (run it with OS commandline)

impdp system/Daito\_2@kod551 directory=KOD551\_DATA\_PUMP\_DIR dumpfile=KOD551.dmp logfile=kod551-imp.log schemas=QRE,outdata,HDDDBF,HDURL,QTEMP,HMMDBF,HXXWRK,S\_HMMDBF,S\_HDURL,S\_HXXWRK,S\_HDDDBF,HXXFTP,S\_HXXFTP,S\_DMMDBF,DMMDBF

# 2. Sql command

Nếu có 1 file sql, mà muốn chạy bằng command line thì đăng nhập bằng system với service như trong daito:

Sqlplus system/Daito\_2@KOD551.

Vì sao lại là daito\_2? Vì mình import KOD551 bằng password này:

**impdp system/Daito\_2@kod551 directory=KOD551\_DATA\_PUMP\_DIR dumpfile=KOD551.dmp logfile=kod551-imp.log schemas=QRE,outdata,HDDDBF,HDURL,QTEMP,HMMDBF,HXXWRK,S\_HMMDBF,S\_HDURL,S\_HXXWRK,S\_HDDDBF,HXXFTP,S\_HXXFTP,S\_DMMDBF,DMMDBF**

## Lệnh đổi datatype trong oracle

alter table

table\_name

modify

(

column\_name varchar2(30)

);

Lưu ý thêm: varchar2 là dùng cho utf8, còn nvarchar2 là dùng cho utf16

Varchar2(10 byte)

Nvarchar(10 char)

# 3. Flashback

1. Phải bật archive log trước khi tạo flashback

# 4. Chọn sequence trong database

SELECT "DKBASE"."ISEQ$$\_105780".nextval FROM DUAL;

Mỗi lần select là lên 1 số.

# 5. Cách đổi password cho hệ thống sysdba trong oracle:

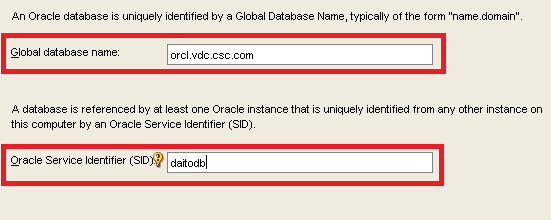
sqlplus /nolog  
connect / as sysdba  
Once connected, you can change the SYS password to something you know:   
ALTER USER sys IDENTIFIED BY new\_password;

Sau đó access theo thông số với:

Username là sys

Role là sysdba

SID là orcl (ở đây orcl là do tạo ban đầu)



# 6. Check Oracle Service Identifer:

sqlplus /nolog

conn /as sysdba

select instance from v$thread;

# 7. ALL\_TAB\_COLUMNS

Đứng ở user nào thì cũng có thể query được table này, nhưng tùy thuộc vào user có được privilege như thế nào mà thông số hiện ra sẽ như thế nào

# 8. Tạo Schema theo style daito

DROP USER DKBASE CASCADE;

CREATE USER "DKBASE" IDENTIFIED BY "QRE" DEFAULT TABLESPACE "DEFAULTTBS" TEMPORARY TABLESPACE "TEMP" ACCOUNT UNLOCK;

GRANT UNLIMITED TABLESPACE TO "DKBASE" WITH ADMIN OPTION;

GRANT "CONNECT" TO "DKBASE" WITH ADMIN OPTION;

GRANT "DBA" TO "DKBASE" WITH ADMIN OPTION;

# 9. Tạo Database cho bản thân:

CREATE USER "ZERO\_DB" IDENTIFIED BY "ZERO" DEFAULT TABLESPACE "DEFAULTTBS" TEMPORARY TABLESPACE "TEMP" ACCOUNT UNLOCK;

GRANT UNLIMITED TABLESPACE TO "ZERO\_DB" WITH ADMIN OPTION;

GRANT "CONNECT" TO "ZERO\_DB" WITH ADMIN OPTION;

GRANT "DBA" TO "ZERO\_DB" WITH ADMIN OPTION;

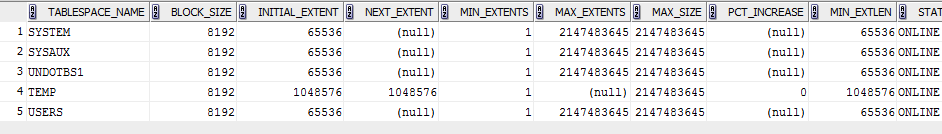
# 10. Drop User

DROP USER ZERO\_DB CASCADE;

# 11. Check TableSpace

select \* from DBA\_TABLESPACES;

Ví dụ giờ mình access sys thì sẽ có table như sau:



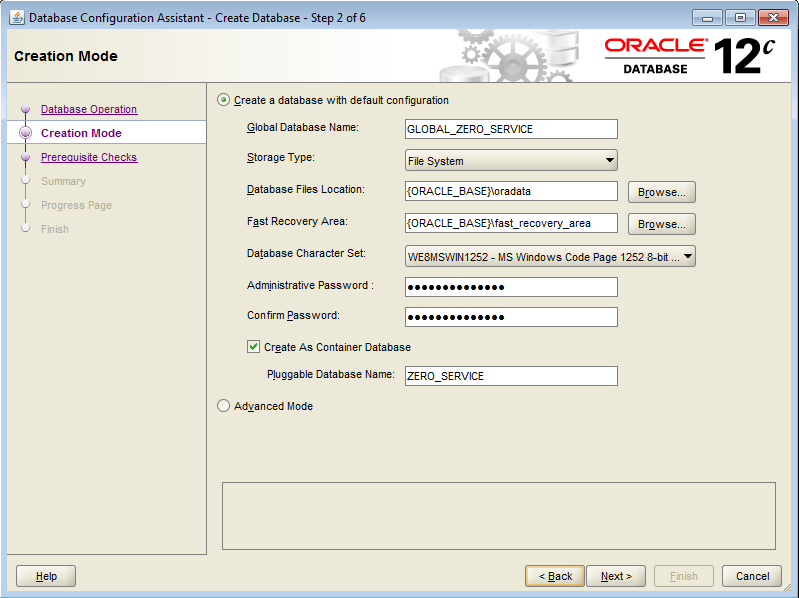
# 12. Tạo Service ZERO\_SERVICE

## 12.1 Chưa có root container, cần tạo

1. show pdbs;

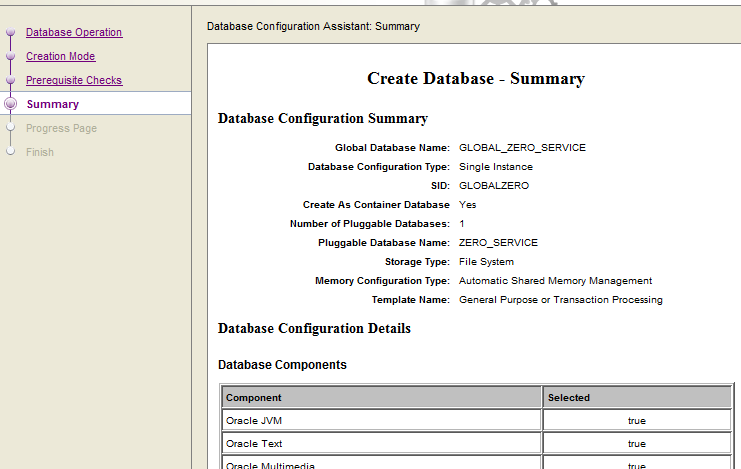
Xem có gì không, không có P@see gì gì đó là không có root container.

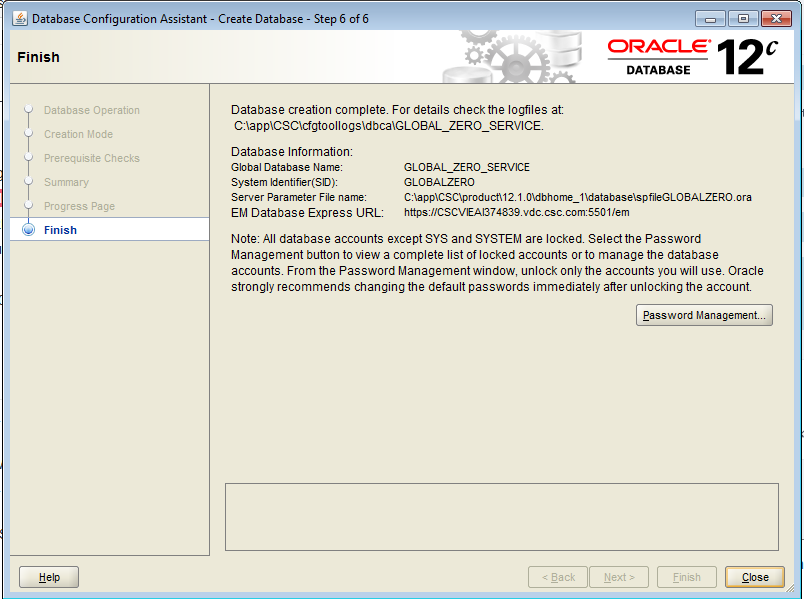
2. Tạo Service bằng UI khi không có root container:



Pass: ZeroService\_01

Sau khi tạo xong:





## 12.2 Tạo table space các kiểu

ALTER PLUGGABLE DATABASE ZERO\_SERVICE OPEN;

ALTER SESSION SET CONTAINER=ZERO\_SERVICE;

Set extended, retart and upgrade PDB

------------------------------------

ALTER SYSTEM SET max\_string\_size=extended SCOPE=SPFILE;

SHUTDOWN IMMEDIATE;

STARTUP UPGRADE;

??? and restart

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@?/rdbms/admin/utl32k.sql;

SHUTDOWN IMMEDIATE;

STARTUP;

Create tablespace DEFAULTTBS and add datafile into (1 big datafile style)

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CREATE BIGFILE TABLESPACE DEFAULTTBS

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'D:\app\CSC\oradata\orcl\ZERO\_SERVICE\DATAFILE\DEFAULTTBS\_F1.DBF' SIZE 120170151936 AUTOEXTEND ON NEXT 8192 MAXSIZE 35184372064256

BLOCKSIZE 8192

DEFAULT NOCOMPRESS NO INMEMORY

ONLINE

SEGMENT SPACE MANAGEMENT AUTO

EXTENT MANAGEMENT LOCAL AUTOALLOCATE;

Note: Nếu không có folder ZERO\_SERVICE và DATAFILE ta cần phải create trước.

CREATE TABLESPACE IOT\_TABLESPACE\_OVERFLOW DATAFILE 'D:\app\CSC\oradata\orcl\ZERO\_SERVICE\DATAFILE\IOT\_TABLESPACE\_OVERFLOW\_f1.dbf' SIZE 50M EXTENT MANAGEMENT LOCAL UNIFORM SIZE 256K BLOCKSIZE 8K;

ALTER DATABASE DATAFILE 'D:\app\CSC\oradata\orcl\ZERO\_SERVICE\DATAFILE\IOT\_TABLESPACE\_OVERFLOW\_f1.dbf' AUTOEXTEND ON MAXSIZE UNLIMITED;

CREATE TABLESPACE IOT\_TABLESPACE DATAFILE 'D:\app\CSC\oradata\orcl\ZERO\_SERVICE\DATAFILE\IOT\_TABLESPACE\_f1.dbf' SIZE 50M EXTENT MANAGEMENT LOCAL UNIFORM SIZE 256K BLOCKSIZE 8K;

## 12.3 Nếu muốn drop database

DROP PLUGGABLE DATABASE TEA026 INCLUDING DATAFILES;

## 12.4 Tạo User đầu tiên

ALTER SESSION SET CONTAINER=ZERO\_SERVICE;

CREATE USER "MAIN\_USER" IDENTIFIED BY "MAIN\_USER" DEFAULT TABLESPACE "DEFAULTTBS" TEMPORARY TABLESPACE "TEMP" ACCOUNT UNLOCK;

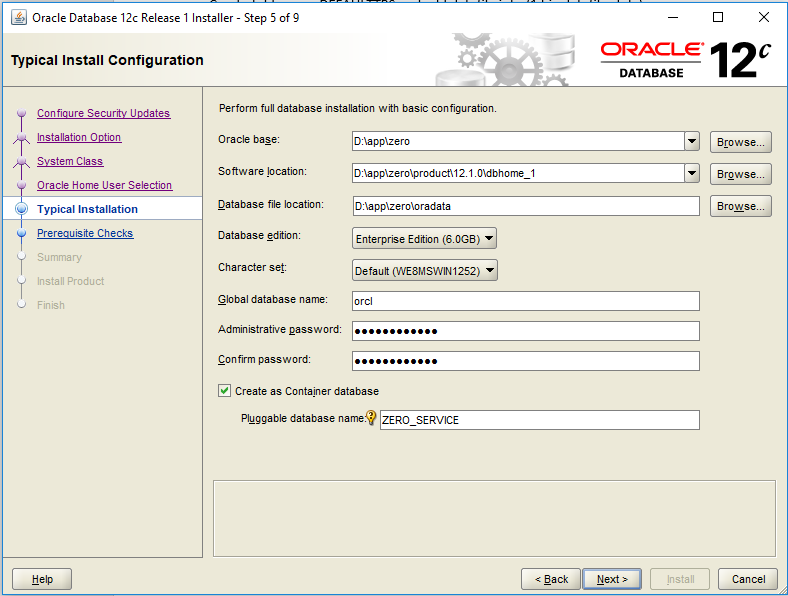
GRANT UNLIMITED TABLESPACE TO "MAIN\_USER" WITH ADMIN OPTION;

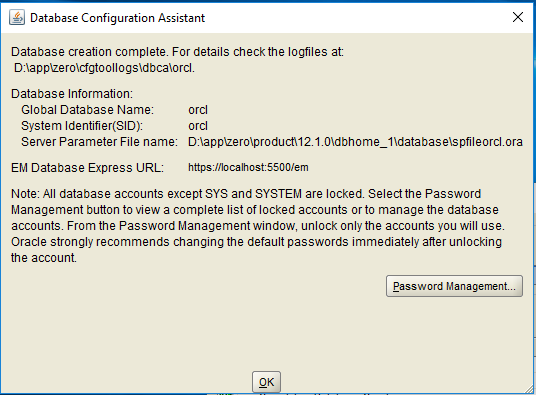
GRANT "CONNECT" TO "MAIN\_USER" WITH ADMIN OPTION;

GRANT "DBA" TO "MAIN\_USER" WITH ADMIN OPTION;

# 13 Oracle Database ở nhà

Pass: AdminZero\_01

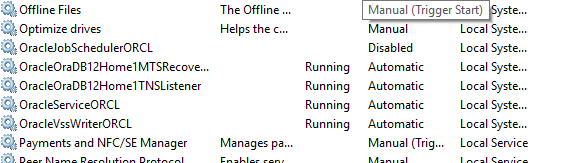




# 14. Cách tắt Oracle khởi động cùng Window (start up service)

Window search: gõ service

Tìm oracle, ban đầu nó như sau:



Vì nó là automatic nên nó sẽ khởi động cùng window. Chuyển sang manual

# 15. Tạo table theo phong cách D4iT0:

CREATE TABLE EMPLOYEE (

UNIQUE\_NUMBER NUMBER(19,0) NOT NULL,

NAME NVARCHAR2(50) DEFAULT chr(0) NOT NULL,

PRIMARY KEY (UNIQUE\_NUMBER)

);

Commit;

CREATE SEQUENCE EMPLOYEE\_SEQUENCE START WITH 1;

Commit;

# 16. Đọc file log

tail -f ../stats/app/qre-J3A100C-20171101\_200901.log

# 17. NVL

-- Return 'N/A' if name is NULL

SELECT NVL(name, 'N/A') FROM countries;

# 18. Limit

where rownum <=

# 19. select count column

select count(\*)

from user\_tab\_columns

where table\_name='MYTABLE' --use upper case

# 20. Loi codix – select session

SELECT SID,

SERIAL#,

PROCESS,

MODULE,

EVENT,

STATUS,

SQL\_ID,

CLIENT\_IDENTIFIER,

CLIENT\_INFO,

LOGON\_TIME MACHINE,

ACTION

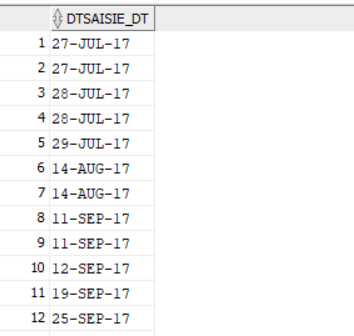
FROM v$session

WHERE machine = 'tnthien';

# 21. to\_date

select msg.dtsaisie\_dt from g\_information msg where msg.dtsaisie\_dt >= to\_date('2017-07-27','YYYY-MM-DD');

result:



# 22. NVL

## Syntax

The syntax for the NVL function in Oracle/PLSQL is:

NVL( string1, replace\_with )

### **Parameters or Arguments**

**string1**

The string to test for a null value.

**replace\_with**

The value returned if string1 is null.

Tóm tắt:

Nếu String1 là null thì sẽ trả lại giá trị replace\_with

# 23. Sao lại sai?

nvl(msg.typedoc, ?) = ?)