Moving Data from One PDB to Another Example

we have 2 pluggable databases

1. pdbx1 which contains schema called x1

x1 schema contain some objects like tables and views

1. pdbx2

Task: we need to move the schema x1 from pluggable pdbx1 to pluggable database pdbx2

Note: we will change the schema x1 to be x2 in the pluggable pdbx2

PDBX1

Schema X1

PDBX2

Schema X2

Steps:

1. create pluggable pdbx1 using DBCA from seed

* make the admin user pdbx1\_admin
* give him DBA role
* update the Tnsnames file and test the connection
* create user called x1

create user x1 identified by x1;

* grant him some privileges

grant create session, create view, create table, unlimited tablespace to x1;

connect x1/x1@pdbx1

* create some objects

create table emp

(id number primary key, name varchar2(100) );

Insert into emp values (1, ' khaled');

Insert into emp values (2, ' ahmed');

Commit;

Create table dept ( deptno number primary key , name varchar2(100 ) );

Insert into dept values (1, ' sales dept ');

Commit;

1. create pluggable pdbx2 using DBCA from seed

* make the admin user pdbx2\_admin
* give him DBA role
* update the Tnsnames file and test the connection
* create user called x2

create user x2 identified by x2;

* grant him some privileges

grant create session, create view, create table, unlimited tablespace to x2;

connect x2/x2@pdbx2

1. we need to create logical directory in pdbx1 ( for exporting the dmp file )

connect pdbx1\_admin/pdbx1\_admin@pdbx1;

**CREATE DIRECTORY d\_**pdbx1 **AS '/u01/app/oracle/admin/orcl/dpdump';**

**Make sure that the physical** directory exits on server

**GRANT read, write ON DIRECTORY d\_**pdbx1 **TO x1;**

**Exit sqlplus**

1. **do this in the terminal**

**expdp x1/x1@pdbx1 SCHEMAS=x1 DIRECTORY= d\_**pdbx1 **DUMPFILE=expx1.dmp**

1. **we can** Generate a SQL script from the dump file

**impdp x1/x1@pdbx1 SCHEMAS=x1 DIRECTORY= d\_**pdbx1 **DUMPFILE=expx1.dmp SQLFILE=x1\_sql**

note: All DDL statements are read from the dump file ( not the DML )

1. Import the x1 Schema Into pdbx2 By Using Data Pump Import

Note: we will map the schema x1 to x2 inside the pdbx2;

Do this

**impdp pdbx2\_admin/pdbx2\_admin@pdbx2 REMAP\_SCHEMA=x1:x2 DIRECTORY= d\_**pdbx1 **DUMPFILE=expx1.dmp**

**It will give error : No such file or directory**

**To solve this**

sqlplus pdbx2\_admin/pdbx2\_admin@pdbx2;

**CREATE DIRECTORY d\_**pdbx1 **AS '/u01/app/oracle/admin/orcl/dpdump';**

**Exit sqlplus And do this in the terminal**

**impdp pdbx2\_admin/pdbx2\_admin@pdbx2 REMAP\_SCHEMA=x1:x2 DIRECTORY= d\_**pdbx1 **DUMPFILE=expx1.dmp**