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[Insanity: doing the same thing over and over again and expecting different results.](#) – Nice Proverb

1. Tablespace was created at 10am and backup was taken and tablespace was dropped at 2pm

How can I recover the tablespace data....

Covered topics

- TSPITR
- Duplicate database
- Transportable tablespace

Point in time recovery of tablespace is not possible here as tablespace was dropped. Restore the database from the backup to a new place, recover to the time before drop of tablespace. Export the tables and import to primary database or use transportable tablespace

Your comments are appreciated.

Option 1:

Here I have simulated by restoring the entire DB using backup onto a new DB

RMAN SID = RECO
TARGET SID = TEST
Duplicate Database SID = TESTDUP

Check that our target system is running on archive log

```
SQL> archive log list;
Database log mode          Archive Mode
Automatic archival        Enabled
Archive destination       USE_DB_RECOVERY_FILE_DEST
Oldest online log sequence 1
Next log sequence to archive 2
Current log sequence      2
```

RMAN Setup and Configuration

Configure the Database for RMAN Operations

Set Up the Database User in the target database - on the TEST database

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```
create user backup_admin identified by backup_admin default tablespace users;  
grant sysdba to backup_admin;
```

Creating the Recovery Catalog User - on RECO database

```
create user rcat_user identified by rcat_user default tablespace users;  
  
grant connect,resource,recovery_catalog_owner to rcat_user;
```

Creating the Recovery Catalog Schema Objects

Step 1. Connect to the recover catalog with RMAN:

```
rman catalog=rcat_user/rcat_user@reco
```

Step 2. Issue the create catalog command from the RMAN prompt:

```
create catalog;
```

Register your database in the recovery catalog

Step 1: Using RMAN, sign into the database and the recover catalog at the same time

```
rman catalog=rcat_user/rcat_user@RECO target=backup_admin/backup_admin@test
```

Step 2: Register the database with the recovery catalog

```
RMAN> register database
```

Create a new tablespace with the data

```
11:21:46 SQL> create tablespace mytest1 datafile  
'C:\ORACLE\PRODUCT\10.2.0\ORADATA\TEST\MYTEST02.DBF'  
' size 50m;
```

```
create table test1(t number) tablespace mytest1;
```

```
create table test2(t number) tablespace mytest1;
```

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```
insert into test1 values(1);
```

```
insert into test2 values(1);
```

```
commit;
```

```
SQL> set time on
```

```
Elapsed: 00:00:00.48
```

```
11:30:37 SQL> drop table test1;
```

```
Table dropped.
```

```
11:30:40 SQL> drop table test2;
```

```
Table dropped.
```

```
11:30:43 SQL> create table test1(t number) tablespace mytest1;
```

```
Table created.
```

```
11:30:55 SQL>
```

```
11:30:55 SQL> create table test2(t number) tablespace mytest1;
```

```
Table created.
```

```
11:30:56 SQL>
```

```
11:30:56 SQL> insert into test1 values(1);
```

```
1 row created.
```

```
11:31:02 SQL> insert into test2 values(1);
```

```
1 row created.
```

```
11:31:09 SQL> commit;
```

```
Commit complete.
```

```
11:31:10 SQL>
```

Take the backup

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RMAN> backup database plus archivelog;
Drop the tablespace including contents and datafiles

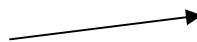
11:35:31 SQL> Drop tablespace mytest1 including contents and datafiles
11:35:59 2 /

Tablespace dropped.

11:36:09 SQL> desc test1
ERROR:
ORA-04043: object test1 does not exist

11:36:12 SQL> desc test2
ERROR:
ORA-04043: object test2 does not exist

Let me try TSPITR



What the heck I have done today,
the tablespace is dropped; let me try
TSPITR which helped me last time

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```
RMAN> rman catalog=rcat_user/rcat_user@reco  
target=backup_admin/backup_admin@test
```

Create an auxiliary directory for the auxiliary database.
mkdir C:\oracle\auxiliary

```
RMAN> recover tablespace mytest1 until time "to_date('16-APR-2009 11:32:00','DD-  
MON-YYYY HH24:MI:SS')" auxiliary destination 'C:\oracle\auxiliary';
```

```
RMAN> recover tablespace mytest1 until time "to_date('16-APR-2009 11:32:00','DD-  
MON-YYYY HH24:MI:SS')" auxiliary destina  
racle\auxiliary';
```

```
Starting recover at 16-APR-09  
allocated channel: ORA_DISK_1  
channel ORA_DISK_1: sid=154 devtype=DISK
```

Creating automatic instance, with SID='zmya'

initialization parameters used for automatic instance:

```
db_name=TEST  
compatible=10.2.0.1.0  
db_block_size=8192  
db_files=200  
db_unique_name=tspitr_TEST_zmya  
large_pool_size=1M  
shared_pool_size=110M  
#No auxiliary parameter file used  
db_create_file_dest=C:\oracle\auxiliary  
control_files=C:\oracle\auxiliary/cntrl_tspitr_TEST_zmya.f
```

starting up automatic instance TEST

Oracle instance started

Total System Global Area 205520896 bytes

Fixed Size	1248092 bytes
Variable Size	146801828 bytes
Database Buffers	50331648 bytes
Redo Buffers	7139328 bytes

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Automatic instance created

Removing automatic instance
shutting down automatic instance

Oracle instance shut down

Automatic instance removed

RMAN-03002: failure of recover command at 04/16/2009 11:39:44

RMAN-06004: ORACLE error from recovery catalog database: RMAN-20202:
tablespace not found in the recovery catalog

RMAN-06019: could not translate tablespace name "MYTEST1"



What happened to TSPITR,
sometimes it sucks

Let me restore the entire database to another server and try my luck

Steps Required

Create Password File for Auxiliary Database

```
C:\> orapwd file=C:\oracle\product\10.2.0\db_1\database\PWDTESTDUP.ora  
password=oracle
```

Create an Initialization Parameter for the Auxiliary Database

Copy the initialization parameter for the target database and make the necessary changes for the duplicated database.

```
create pfile='C:\oracle\product\10.2.0\admin\TEST\pfile\initTEST.ora' from spfile;
```

```
cd c:\oracle\product\10.2.0\admin  
cp -R TEST TESTDUP
```

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Remove trace files...
Rename initTEST.ora to initTESTDUP.ora

After creating the initialization parameter for the duplicate database, and change at least the following parameters:

```
db_file_name_convert = ('C:\oracle\product\10.2.0\oradata\TEST',  
'C:\oracle\product\10.2.0\oradata\TESTDUP')  
log_file_name_convert = ('C:\oracle\product\10.2.0\oradata\TEST',  
'C:\oracle\product\10.2.0\oradata\TESTDUP')  
control_files =  
'C:\oracle\product\10.2.0\oradata\TESTDUP\control01.ctl'  
,  
'C:\oracle\product\10.2.0\oradata\TESTDUP\control02.ctl'  
,  
'C:\oracle\product\10.2.0\oradata\TESTDUP\control03.ctl'  
db_name = 'TESTDUP'  
instance_name = 'TESTDUP'  
service_names = 'TESTDUP'  
dispatchers = '(PROTOCOL=TCP) (SERVICE=TESTDUPXDB)'  
audit_file_dest='C:\oracle\product\10.2.0\admin\TESTDUP\adump'  
background_dump_dest='C:\oracle\product\10.2.0\admin\TESTDUP\bdump'  
core_dump_dest='C:\oracle\product\10.2.0\admin\TESTDUP\cdump'
```

```
mkdir -p C:\oracle\product\10.2.0\oradata\TESTDUP
```

Create / Start the Auxiliary Instance

Create a new Windows service for the duplicate database TESTDUP using oradim:

```
C:\> oradim -new -sid TESTDUP -intpwd oracle -startmode auto -pfile  
'C:\oracle\product\10.2.0\admin\TESTDUP\pfile\initTESTDUP.ora'
```

```
C:\> set ORACLE_SID=TESTDUP
```

```
C:\> sqlplus "/ as sysdba"
```

```
SQL> startup nomount  
pfile=C:\oracle\product\10.2.0\admin\TESTDUP\pfile\initTESTDUP.ora  
ORACLE instance started.
```

```
Total System Global Area 167772160 bytes  
Fixed Size 1247876 bytes  
Variable Size 62915964 bytes  
Database Buffers 96468992 bytes  
Redo Buffers 7139328 bytes
```

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Ensure Oracle Net Connectivity to Auxiliary Database

Modify both the `listener.ora` and `tnsnames.ora` file to be able to connect to the auxiliary database. After making changes to the networking files, test the connection keeping in mind that you must be able to connect to the auxiliary instance with SYSDBA privileges, so a valid password file must exist.

Modify listener.ora

```
SID_LIST_LISTENER =
  (SID_LIST =
    (SID_DESC =
      (SID_NAME = PLSExtProc)
      (ORACLE_HOME = C:\oracle\product\10.2.0\db_1)
      (PROGRAM = extproc)
    )
    (SID_DESC =
      (ORACLE_HOME= C:\oracle\product\10.2.0\db_1)
      (SID_NAME = RECO)
    )
    (SID_DESC =
      (ORACLE_HOME= C:\oracle\product\10.2.0\db_1)
      (SID_NAME = TEST)
    )
    (SID_DESC =
      (ORACLE_HOME= C:\oracle\product\10.2.0\db_1)
      (SID_NAME = TESTDUP)
    )
  )
)
```

Restart the listener
lsnrctl stop
lsnrctl start

Add entry for TESTDUP in tnsnames.ora

```
TESTDUP =
  (DESCRIPTION =
    (ADDRESS = (PROTOCOL = TCP) (HOST = L105339.LeapFrog.Local) (PORT =
1521))
    (CONNECT_DATA =
      (SERVER = DEDICATED)
      (SERVICE_NAME = TESTDUP)
    )
  )
)
```


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TEST the connection

```
sqlplus sys/oracle@testdup as sysdba
```

Mount or Open the Target Database

As mentioned in the pre-requisites section of this article, the target database should be either opened or mounted.

```
C:\> set ORACLE_SID=TESTDB
C:\> sqlplus "/" as sysdba"
SQL> startup open
```

Ensure You Have the Necessary Backups and Archived Redo Log Files

```
RMAN> list backup
```

Login to Target and Auxiliary Database using RMAN

```
rman target sys/change_on_install@test auxiliary sys/oracle@TESTDUP
catalog=rcat_user/rcat_user@reco
```

Run the RMAN DUPLICATE DATABASE Command

```
run {
  # Allocate the channel for the duplicate work
  allocate auxiliary channel ch1 type disk;

  # Duplicate the database to TESTDUP
  duplicate target database to TESTDUP;
}
```

Note : we can also restore to point in time

duplicate target database to TESTDUP until time 'sysdate -1'

```
rman target sys/change_on_install@test auxiliary sys/oracle@TESTDUP
catalog=rcat_user/rcat_user@reco
```

Recovery Manager: Release 10.2.0.1.0 - Production on Thu Apr 16 12:54:16 2009

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connected to target database: TEST (DBID=1982397231)
connected to recovery catalog database
connected to auxiliary database: TESTDUP (not mounted)

```
RMAN> run {  
  # Allocate the channel for the duplicate work  
  allocate auxiliary channel ch1 type disk;  
  # Duplicate the database to TESTDUP  
  duplicate target database to TESTDUP;  
}
```

LRM-00109: could not open parameter file
'C:\ORACLE\PRODUCT\10.2.0\DB_1\DATABASE\INITTESTDUP.ORA'

ORA-01504: database name 'TESTDUP' does not match parameter db_name 'TEST'

Initially, I got the below error, so I have copied initTESTDUP.ora to
C:\ORACLE\PRODUCT\10.2.0\DB_1\DATABASE

```
RMAN> run {  
2>  # Allocate the channel for the duplicate work  
3>  allocate auxiliary channel ch1 type disk;  
4>  
5>  # Duplicate the database to TESTDUP  
6>  duplicate target database to TESTDUP;  
7> }
```

allocated channel: ch1
channel ch1: sid=157 devtype=DISK

Starting Duplicate Db at 16-APR-09

contents of Memory Script:

```
{  
  set until scn 629793;  
  set newname for datafile 1 to  
"C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\SYSTEM01.DBF";  
  set newname for datafile 2 to  
"C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\UNDOTBS01.DBF";  
  set newname for datafile 3 to  
"C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\SYS_AUX01.DBF";  
  set newname for datafile 4 to
```

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```
"C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\USERS01.DBF";
set newname for datafile 5 to
"C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\EXAMPLE01.DBF";
set newname for datafile 6 to
"C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\MYTEST01.DBF";
set newname for datafile 7 to
"C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\MYTEST02.DBF";
restore
check readonly
clone database
;
}
executing Memory Script
```

executing command: SET until clause

executing command: SET NEWNAME

executing command: SET NEWNAME

executing command: SET NEWNAME

executing command: SET NEWNAME

executing command: SET NEWNAME

executing command: SET NEWNAME

executing command: SET NEWNAME

Starting restore at 16-APR-09

```
channel ch1: starting datafile backupset restore
channel ch1: specifying datafile(s) to restore from backup set
restoring datafile 00001 to
C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\SYSTEM01.DBF
restoring datafile 00002 to
C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\UNDOTBS01.DBF
restoring datafile 00003 to
C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\SYSAUX01.DBF
restoring datafile 00004 to
C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\USERS01.DBF
```

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```
restoring datafile 00005 to
C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\EXAMPLE01.DBF
restoring datafile 00006 to
C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\MYTEST01.DBF
restoring datafile 00007 to
C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\MYTEST02.DBF
channel ch1: reading from backup piece
C:\ORACLE\PRODUCT\10.2.0\FLASH_RECOVERY_AREA\TEST\BACKUPSET\20
09_04_16\O1_MF_NNN
416T113221_4YGYFPYJ_.BKP
channel ch1: restored backup piece 1
piece
handle=C:\ORACLE\PRODUCT\10.2.0\FLASH_RECOVERY_AREA\TEST\BACKUP
SET\2009_04_16\O1_MF_NNNDF_TAG20090416T113221_4YGY
ag=TAG20090416T113221
channel ch1: restore complete, elapsed time: 00:01:45
Finished restore at 16-APR-09
sql statement: CREATE CONTROLFILE REUSE SET DATABASE "TESTDUP"
RESETLOGS ARCHIVELOG
MAXLOGFILES 16
MAXLOGMEMBERS 3
MAXDATAFILES 100
MAXINSTANCES 8
MAXLOGHISTORY 292
LOGFILE
GROUP 1 ('C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\REDO01.LOG' )
SIZE 50 M REUSE,
GROUP 2 ('C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\REDO02.LOG' )
SIZE 50 M REUSE,
GROUP 3 ('C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\REDO03.LOG' )
SIZE 50 M REUSE
DATAFILE
'C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\SYSTEM01.DBF'
CHARACTER SET WE8MSWIN1252
```

contents of Memory Script:

```
{
  switch clone datafile all;
}
```

executing Memory Script

datafile 2 switched to datafile copy

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```
input datafile copy recid=1 stamp=684337057
filename=C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\UNDOTBS01.DBF
datafile 3 switched to datafile copy
input datafile copy recid=2 stamp=684337057
filename=C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\SYSAUX01.DBF
datafile 4 switched to datafile copy
input datafile copy recid=3 stamp=684337057
filename=C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\USERS01.DBF
datafile 5 switched to datafile copy
input datafile copy recid=4 stamp=684337057
filename=C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\EXAMPLE01.DBF
datafile 6 switched to datafile copy
input datafile copy recid=5 stamp=684337058
filename=C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\MYTEST01.DBF
datafile 7 switched to datafile copy
input datafile copy recid=6 stamp=684337058
filename=C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\MYTEST02.DBF
```

contents of Memory Script:

```
{
  set until scn 629793;
  recover
  clone database
  delete archivelog
  ;
}
```

executing Memory Script

executing command: SET until clause

Starting recover at 16-APR-09

starting media recovery

```
archive log thread 1 sequence 17 is already on disk as file
C:\ORACLE\PRODUCT\10.2.0\FLASH_RECOVERY_AREA\TEST\ARCHIVELO
6\O1_MF_1_17_4YGYJOYJ_.ARC
archive log
filename=C:\ORACLE\PRODUCT\10.2.0\FLASH_RECOVERY_AREA\TEST\ARCHI
VELOG\2009_04_16\O1_MF_1_17_4YGYJOYJ_.ARC t
uence=17
media recovery complete, elapsed time: 00:00:06
Finished recover at 16-APR-09
```

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contents of Memory Script:

```
{
  shutdown clone;
  startup clone nomount ;
}
executing Memory Script
```

database dismounted
Oracle instance shut down

connected to auxiliary database (not started)
Oracle instance started

Total System Global Area 167772160 bytes

Fixed Size	1247876 bytes
Variable Size	62915964 bytes
Database Buffers	96468992 bytes
Redo Buffers	7139328 bytes

sql statement: CREATE CONTROLFILE REUSE SET DATABASE "TESTDUP"
RESETLOGS ARCHIVELOG

```
MAXLOGFILES 16
MAXLOGMEMBERS 3
MAXDATAFILES 100
MAXINSTANCES 8
MAXLOGHISTORY 292
LOGFILE
GROUP 1 ('C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\REDO01.LOG' )
SIZE 50 M REUSE,
GROUP 2 ('C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\REDO02.LOG' )
SIZE 50 M REUSE,
GROUP 3 ('C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\REDO03.LOG' )
SIZE 50 M REUSE
DATAFILE
'C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\SYSTEM01.DBF'
CHARACTER SET WE8MSWIN1252
```

contents of Memory Script:

```
{
  set newname for tempfile 1 to
  "C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\TEMP01.DBF";
```

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```
switch clone tempfile all;
catalog clone datafilecopy
"C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\UNDOTBS01.DBF";
catalog clone datafilecopy
"C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\SYS_AUX01.DBF";
catalog clone datafilecopy
"C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\USERS01.DBF";
catalog clone datafilecopy
"C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\EXAMPLE01.DBF";
catalog clone datafilecopy
"C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\MYTEST01.DBF";
catalog clone datafilecopy
"C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\MYTEST02.DBF";
switch clone datafile all;
}
executing Memory Script
```

executing command: SET NEWNAME

renamed temporary file 1 to
C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\TEMP01.DBF in control file

```
cataloged datafile copy
datafile copy
filename=C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\UNDOTBS01.DBF
recid=1 stamp=684337085
```

```
cataloged datafile copy
datafile copy
filename=C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\SYS_AUX01.DBF
recid=2 stamp=684337086
```

```
cataloged datafile copy
datafile copy
filename=C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\USERS01.DBF
recid=3 stamp=684337086
```

```
cataloged datafile copy
datafile copy
filename=C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\EXAMPLE01.DBF
recid=4 stamp=684337087
```

```
cataloged datafile copy
```

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datafile copy
filename=C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\MYTEST01.DBF
recid=5 stamp=684337087

cataloged datafile copy
datafile copy
filename=C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\MYTEST02.DBF
recid=6 stamp=684337088

datafile 2 switched to datafile copy
input datafile copy recid=1 stamp=684337085
filename=C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\UNDOTBS01.DBF
datafile 3 switched to datafile copy
input datafile copy recid=2 stamp=684337086
filename=C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\SYSAUX01.DBF
datafile 4 switched to datafile copy
input datafile copy recid=3 stamp=684337086
filename=C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\USERS01.DBF
datafile 5 switched to datafile copy
input datafile copy recid=4 stamp=684337087
filename=C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\EXAMPLE01.DBF
datafile 6 switched to datafile copy
input datafile copy recid=5 stamp=684337087
filename=C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\MYTEST01.DBF
datafile 7 switched to datafile copy
input datafile copy recid=6 stamp=684337088
filename=C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\MYTEST02.DBF

contents of Memory Script:
{
 Alter clone database open resetlogs;
}
executing Memory Script

database opened
Finished Duplicate Db at 16-APR-09

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Connect to TESTDUP and check whether tablespace is present

```
>sqlplus sys/oracle@testdup as sysdba
```

```
SQL*Plus: Release 10.2.0.1.0 - Production on Thu Apr 16 13:43:11 2009
```

```
Copyright (c) 1982, 2005, Oracle. All rights reserved.
```

```
Connected to:
```

```
Oracle Database 10g Enterprise Edition Release 10.2.0.1.0 - Production  
With the Partitioning, OLAP and Data Mining options
```

```
SQL> select name from v$datafile;
```

```
NAME
```

```
-----  
C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\SYSTEM01.DBF  
C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\UNDOTBS01.DBF  
C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\SYSAUX01.DBF  
C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\USERS01.DBF  
C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\EXAMPLE01.DBF  
C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\MYTEST01.DBF  
C:\ORACLE\PRODUCT\10.2.0\ORADATA\TESTDUP\MYTEST02.DBF
```

```
7 rows selected.
```

```
1* select * from test1  
SQL> /
```

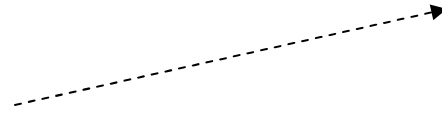
```
  T  
-----  
  1
```

```
SQL> select * from test2;
```

```
  T  
-----  
  1
```

```
Thanks to Jeff Hunter for helping me
```

Author – *A.Kishore*
<http://appsdba.info>



Wow Oracle, I like
it



What's

Let me use transportable tablespace to export and import the tablespace – mytest2

http://www.oracle.com/technology/pub/articles/10gdba/week16_10gdba.html

Transportable tablespaces are now portable across platforms, making data publication quicker and easier. Plus, external table downloads make the task of data movement with transformation simpler and faster.

```
select * from v$transportable_platform order by platform_id;
```

PLATFORM_ID	PLATFORM_NAME	ENDIAN_FORMAT
1	Solaris[tm] OE (32-bit)	Big
2	Solaris[tm] OE (64-bit)	Big
3	HP-UX (64-bit)	Big
4	HP-UX IA (64-bit)	Big
5	HP Tru64 UNIX	Little
6	AIX-Based Systems (64-bit)	Big
7	Microsoft Windows IA (32-bit)	Little
8	Microsoft Windows IA (64-bit)	Little
9	IBM zSeries Based Linux	Big
10	Linux IA (32-bit)	Little
11	Linux IA (64-bit)	Little
12	Microsoft Windows 64-bit for AMD	Little
13	Linux 64-bit for AMD	Little
15	HP Open VMS	Little
16	Apple Mac OS	Big

Got the below error

```
>exp userid='sys/oracle@testdup as sysdba' tablespaces=mytest1 transport_tablepace=y  
f_mytest1.dmp
```

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Export: Release 10.2.0.1.0 - Production on Thu Apr 16 14:27:05 2009

Copyright (c) 1982, 2005, Oracle. All rights reserved.

Connected to: Oracle Database 10g Enterprise Edition Release 10.2.0.1.0 - Production
With the Partitioning, OLAP and Data Mining options
Export done in WE8MSWIN1252 character set and AL16UTF16 NCHAR character set
Note: table data (rows) will not be exported
About to export transportable tablespace metadata...
EXP-00008: ORACLE error 29341 encountered
ORA-29341: The transportable set is not self-contained
ORA-06512: at "SYS.DBMS_PLUGTS", line 1387
ORA-06512: at line 1
EXP-00000: Export terminated unsuccessfully

Solution - EXECUTE dbms_tts.transport_set_check('MYTEST1', TRUE, TRUE);

and

```
SELECT * FROM transport_set_violations;
```

Note: objects in sys cannot be exported and imported.

1> Make the tablespace READ ONLY:

```
alter tablespace mytest1 read only;
```

2> Export the tablespace. From the OS prompt, issue:

```
exp userid='sys/oracle@testdup as sysdba' tablespaces=mytest1 transport_tablespace=y  
file=exp_ts_mytest1.dmp
```

The file exp_ts_users.dmp contains only metadata—not the contents of the tablespace mytest1—so it will be very small.

3> Copy the files exp_ts_mytest1.dmp and mytest01.dbf to the target host. If you were using FTP, you would specify the binary option.

4> Plug the tablespace into the database. From the OS command prompt, you would issue:

```
imp sys/oracle@test tablespaces=users transport_tablespace=y file=exp_ts_users.dmp  
datafiles='users_01.dbf'
```

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<http://appsdba.info>

```
>exp userid='sys/oracle@testdup as sysdba' tablespaces=mytest1 transport_tablespace=y  
f_mytest1.dmp
```

Export: Release 10.2.0.1.0 - Production on Thu Apr 16 15:37:21 2009

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```
Connected to: Oracle Database 10g Enterprise Edition Release 10.2.0.1.0 - Production  
With the Partitioning, OLAP and Data Mining options  
Export done in WE8MSWIN1252 character set and AL16UTF16 NCHAR character set  
Note: table data (rows) will not be exported  
About to export transportable tablespace metadata...  
For tablespace MYTEST1 ...  
. exporting cluster definitions  
. exporting table definitions  
. . exporting table TEST1  
. . exporting table TEST2  
. exporting referential integrity constraints  
. exporting triggers  
. end transportable tablespace metadata export  
Export terminated successfully without warnings.
```

```
>imp userid='sys/oracle@test as sysdba' tablespaces=mytest1 transport_tablespace=y  
file=exp_ts_my  
test1.dmp datafiles='C:\oracle\product\10.2.0\oradata\TEST\MYTEST02.DBF'
```

Import: Release 10.2.0.1.0 - Production on Thu Apr 16 15:40:11 2009

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```
Connected to: Oracle Database 10g Enterprise Edition Release 10.2.0.1.0 - Production  
With the Partitioning, OLAP and Data Mining options
```

```
Export file created by EXPORT:V10.02.01 via conventional path  
About to import transportable tablespace(s) metadata...  
import done in WE8MSWIN1252 character set and AL16UTF16 NCHAR character set  
. importing SYS's objects into SYS  
. importing SYS's objects into SYS  
. importing MYUSER's objects into MYUSER
```

Author – *A.Kishore*
<http://appsdba.info>

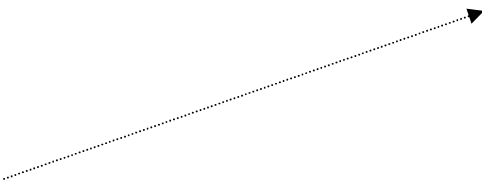
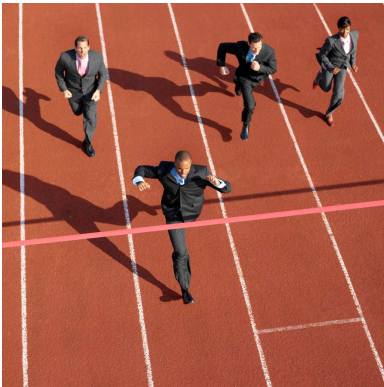
```
.. importing table          "TEST1"  
.. importing table          "TEST2"  
. importing SYS's objects into SYS  
Import terminated successfully without warnings.
```

```
SQL> select * from test1;
```

```
  T  
-----  
  1
```

```
SQL> select * from test2;
```

```
  T  
-----  
  1
```



Amazing, we
recovered the tables
and tablespaces