

Scenario:

1. Database is up.
2. Jr. DBA accidentally dropped a tablespace called PSTBS at 9:00:00 using the following command:
3. DBA verified all the backup files are available on disk in /u99/PrimeDG/Backup. Backup files includes the following:
 - a. Backup sets
 - b. controlfile and spfile
4. DBA also verified the following database files are still intact
 - a. controlfiles
 - b. spfile (or pfile)
 - c. redo logs
5. As a DBA, your helped is required to restore and recover the tablespace upto 8:59:59.

Solution:

Step-#	Description	Command
1	Login to database server via putty	
2	switch user to oracle	su - oracle or sudo su - oracle
3	set database environment	. oraenv → PrimeDG
4.	Verify database has all the archive log needed.	sqlplus / as sysdba set linesize 200 set pagesize 200 col name format a50 select name, thread#, sequence#, status, to_char(first_time,'HH:MI:SS DD-MON-YY') first_time, to_char(next_time,' HH:MI:SS DD-MON-YY') last_time, first_change#,

		<pre> next_change# from v\$sarchived_log where name is not null; </pre>
5	Verify DB is up	<code>ps -ef grep pmon</code>
6	Login to RMAN as SYS	<code>rman target /</code>
7a	Take tablespace offline	<code>RMAN> sql 'alter tablespace PSTBS offline';</code>
7b	Set the recovery time.	<code>RMAN> set until time "to_date('NOV 03 2007 08:59:59','Mon DD YYYY HH24:MI:SS')";</code>
7c	Recover tablespace	<pre> RMAN> RECOVER DATABASE; RMAN> exit; </pre>
	or you can do all 7a, 7b, 7c, 7d and 7e together from the run block.	<pre> RMAN> RUN { set until time "to_date('FEB 28 2008 08:59:59','Mon DD YYYY HH24:MI:SS')"; recover tablespace PSTBS; } </pre>
8	Verify tablespace is back in place	<pre> sqlplus / as sysdba select name from v\$tablespace; </pre>
9	Verify all datafiles are back in place	<code>select name from v\$datafile;</code>
10	Backup database (if needed)	<pre> rman target / backup database plus archivelog; </pre>

Hope this helps.

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