**FULL Restore DB From TAPE to Different Machine**

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| **Goal:**  Restore the database including SPFILE, Controlfile from TAPE.  **Must Have:**  DBID of the crashed database (without DBID we cannot restore the database from TAPE in DR situation)  And the client name “NB\_ORA\_CLIENT” (client name with which backup has been taken)  **1)      Now set the environment on the new server- we will call the new server as LAB- labrman01.**   |  | | --- | | labrman01 /export/home/oracle>  >export ORACLE\_HOME=/adm02/u0001/oracle/product/10.2.0/db\_1  >export PATH=$PATH:/adm02/u0001/oracle/product/10.2.0/db\_1/bin  >export NLS\_DATE\_FORMAT='MM/DD/YYYY HH24:MI:SS'  >**export ORACLE\_SID=HYPP** |   **2)      Invoke RMAN**  We are going to do the restore of SID=HYPP. Since we lost the whole server and restoring onto a new server our first goal is to restore the SPFILE and Controlfile.   |  | | --- | | labrman01 /export/home/oracle  >rman  Recovery Manager: Release 10.2.0.4.0 - Production on Thu Jul 8 12:03:43 2010  Copyright (c) 1982, 2007, Oracle.  All rights reserved. |   **3)      Now connect to target**   |  | | --- | | RMAN> connect target /  connected to target database:  (not mounted)  RMAN> set dbid=2563884143  executing command: SET DBID |   **4)      Since we don’t have the PFILE/SPFILE we are going to start the database without a PFILE In nomount**   |  | | --- | | RMAN> startup force nomount;  startup failed: ORA-01078: failure in processing system parameters  LRM-00109: could not open parameter file '/adm02/u0001/oracle/product/10.2.0/db\_1/dbs/initHYPP.ora'  starting Oracle instance without parameter file for retrival of spfile  Oracle instance started  Total System Global Area     159383552 bytes  Fixed Size                     2039056 bytes  Variable Size                 67109616 bytes  Database Buffers              83886080 bytes  Redo Buffers                   6348800 bytes |   **5)      what if I don’t know the backup piece name for spfile? how do I get them from TAPE? We have to use”restore from autobackup” in this case.**   |  | | --- | | RMAN> run{allocate channel ch01 type sbt;  2> SEND 'NB\_ORA\_CLIENT= hypprdbv1-bn;  3> restore  spfile from autobackup;  4> }  allocated channel: ch01  channel ch01: sid=36 devtype=SBT\_TAPE  channel ch01: Veritas NetBackup for Oracle - Release 6.5 (2007072323)  sent command to channel: ch01  Starting restore at 06-JUL-10  channel ch01: looking for autobackup on day: 20100706  channel ch01: looking for autobackup on day: 20100705  channel ch01: looking for autobackup on day: 20100704  channel ch01: looking for autobackup on day: 20100703  channel ch01: looking for autobackup on day: 20100702  channel ch01: looking for autobackup on day: 20100701  channel ch01: looking for autobackup on day: 20100630  channel ch01: no autobackup in 7 days found  channel ch01: no autobackup in 7 days found  released channel: ch01  RMAN-00571: ===========================================================  RMAN-00569: =============== ERROR MESSAGE STACK FOLLOWS ===============  RMAN-00571: ===========================================================  RMAN-03002: failure of restore command at 07/06/2010 14:30:38  RMAN-06172: no autobackup found or specified handle is not a valid copy or piece |   If we use restore from autobackup, By default  RMAN will look for the file for the past 7 days starting from the current day, assuming the current day is 07/06 so RMAN did go back until 06/30 and errored  out  saying it couldn’t able to find the SPFILE in the past 7 days.  **“here** we are trying to restore the backup which is older than 7 days i.e we took the backup on 06/21 to TAPE and we need to restore this backup”  **6)  So how do I get over the 7 day restriction ?**  By default SPFILE will be restored onto $ORACLE\_HOME/dbs if you want to restore it to specific location use “TO PFILE ” see below:   |  | | --- | | RMAN> run {  1>allocate channel ch01 type sbt;  2> send 'NB\_ORA\_CLIENT=hypprdbv1-bn';  3> RESTORE SPFILE to pfile '/export/home/oracle/sshaik/initHYPP.ora' from autobackup **maxdays 20;**  4> }  using target database control file instead of recovery catalog  allocated channel: ch01  channel ch01: sid=36 devtype=SBT\_TAPE  channel ch01: Veritas NetBackup for Oracle - Release 6.5 (2007072323)  sent command to channel: ch01  Starting restore at 07/08/2010 12:06:21  channel ch01: looking for autobackup on day: 20100708  channel ch01: looking for autobackup on day: 20100707  channel ch01: looking for autobackup on day: 20100706  channel ch01: looking for autobackup on day: 20100705  channel ch01: looking for autobackup on day: 20100704  channel ch01: looking for autobackup on day: 20100703  channel ch01: looking for autobackup on day: 20100702  channel ch01: looking for autobackup on day: 20100701  channel ch01: looking for autobackup on day: 20100630  channel ch01: looking for autobackup on day: 20100629  channel ch01: looking for autobackup on day: 20100628  channel ch01: looking for autobackup on day: 20100627  channel ch01: looking for autobackup on day: 20100626  channel ch01: looking for autobackup on day: 20100625  channel ch01: looking for autobackup on day: 20100624  channel ch01: looking for autobackup on day: 20100623  channel ch01: looking for autobackup on day: 20100622  channel ch01: looking for autobackup on day: 20100621  channel ch01: autobackup found: c-2563884143-20100621-03  RMAN-00571: ===========================================================  RMAN-00569: =============== ERROR MESSAGE STACK FOLLOWS ===============  RMAN-00571: ===========================================================  RMAN-03002: failure of restore command at 07/07/2010 11:38:29  RMAN-03009: failure of IRESTORE command on ch01 channel at 07/07/2010 11:38:29  ORA-19870: error reading backup piece c-2563884143-20100621-03  ORA-19507: failed to retrieve sequential file, handle="c-2563884143-20100621-03", parms=""  ORA-27029: skgfrtrv: sbtrestore returned error  ORA-19511: Error received from media manager layer, error text:     Failed to process backup file |   Here RMAN found the SPFILE but unable to read or restore the file due to some Netbackup glitches and we raised this issue with Netbackup Team and were resolved from the Netbackup side.( Don’t ask me what they did since it was never revealed what has been done to fix the issue)  **7)      We restarted the restore after Netbackup team fixed the above issue.**   |  | | --- | | RMAN> run {  1>allocate channel ch01 type sbt;  2> send 'NB\_ORA\_CLIENT=hypprdbv1-bn';  3> RESTORE SPFILE to pfile '/export/home/oracle/sshaik/initHYPP.ora' from autobackup **maxdays 20;**  4> }  using target database control file instead of recovery catalog  allocated channel: ch01  channel ch01: sid=36 devtype=SBT\_TAPE  channel ch01: Veritas NetBackup for Oracle - Release 6.5 (2007072323)  sent command to channel: ch01  Starting restore at 07/08/2010 12:06:21  channel ch01: looking for autobackup on day: 20100708  channel ch01: looking for autobackup on day: 20100707  channel ch01: looking for autobackup on day: 20100706  channel ch01: looking for autobackup on day: 20100705  channel ch01: looking for autobackup on day: 20100704  channel ch01: looking for autobackup on day: 20100703  channel ch01: looking for autobackup on day: 20100702  channel ch01: looking for autobackup on day: 20100701  channel ch01: looking for autobackup on day: 20100630  channel ch01: looking for autobackup on day: 20100629  channel ch01: looking for autobackup on day: 20100628  channel ch01: looking for autobackup on day: 20100627  channel ch01: looking for autobackup on day: 20100626  channel ch01: looking for autobackup on day: 20100625  channel ch01: looking for autobackup on day: 20100624  channel ch01: looking for autobackup on day: 20100623  channel ch01: looking for autobackup on day: 20100622  channel ch01: looking for autobackup on day: 20100621  channel ch01: autobackup found: c-2563884143-20100621-03  channel ch01: autobackup found: c-2563884143-20100621-03  channel ch01: SPFILE restore from autobackup complete  Finished restore at 07/08/2010 12:42:12  released channel: ch01  RMAN> |   **8)      Now edit the parameter file to reflect the new directory locations**  i.e since the HYPP is going to be restored onto a LAB server, change udump,bdump,cdump,controlfile and archive dest locations as per the mount point directory locations on the LAB server   |  | | --- | | >vi initHYPP.ora  \*.aq\_tm\_processes=0  \*.audit\_trail='DB'  \*.background\_dump\_dest='/adm02/u0001/oracle/admin/HYPP/bdump'  \*.compatible='10.2.0.3'  \*.control\_files='/adm02/u0001/HYPP/control/control01.ctl' |   **9)      Now shutdown and start the database in nomount to make sure no errors in restored PFILE:**   |  | | --- | | labrman01(HYPP)  /export/home/oracle  >sqlplus / as sysdba  SQL\*Plus: Release 10.2.0.4.0 - Production on Thu Jul 8 13:11:08 2010  Copyright (c) 1982, 2007, Oracle.  All Rights Reserved.  Connected to an idle instance.  SQL> startup nomount  ORACLE instance started.  Total System Global Area 1828716544 bytes  Fixed Size                  2041368 bytes  Variable Size            1258297832 bytes  Database Buffers          553648128 bytes  Redo Buffers               14729216 bytes  SQL> exit |   Now we restored the SPFILE from TAPE and started the database in nomount.  **10)  Next step is to restore the Controlfile from TAPE**   |  | | --- | | labrman01(HYPP)  /export/home/oracle  >rman  Recovery Manager: Release 10.2.0.4.0 - Production on Thu Jul 8 15:13:12 2010  Copyright (c) 1982, 2007, Oracle.  All rights reserved.  RMAN> connect target /  connected to target database: HYPP (not mounted)  RMAN> set dbid=2563884143  executing command: SET DBID  RMAN>  run {allocate channel ch01 type sbt;  2>  send 'NB\_ORA\_CLIENT=hypprdbv1-bn';  3> restore controlfile to '/adm02/u9001/HYPP/control/control01.ctl' from autobackup maxdays 20;  4> }  using target database control file instead of recovery catalog  allocated channel: ch01  channel ch01: sid=1095 devtype=SBT\_TAPE  channel ch01: Veritas NetBackup for Oracle - Release 6.5 (2007072323)  sent command to channel: ch01  Starting restore at 08-JUL-10  channel ch01: looking for autobackup on day: 20100708  channel ch01: looking for autobackup on day: 20100707  channel ch01: looking for autobackup on day: 20100706  channel ch01: looking for autobackup on day: 20100705  channel ch01: looking for autobackup on day: 20100704  channel ch01: looking for autobackup on day: 20100703  channel ch01: looking for autobackup on day: 20100702  channel ch01: looking for autobackup on day: 20100701  channel ch01: looking for autobackup on day: 20100630  channel ch01: looking for autobackup on day: 20100629  channel ch01: looking for autobackup on day: 20100628  channel ch01: looking for autobackup on day: 20100627  channel ch01: looking for autobackup on day: 20100626  channel ch01: looking for autobackup on day: 20100625  channel ch01: looking for autobackup on day: 20100624  channel ch01: looking for autobackup on day: 20100623  channel ch01: looking for autobackup on day: 20100622  channel ch01: looking for autobackup on day: 20100621  channel ch01: autobackup found: c-2563884143-20100621-03  channel ch01: control file restore from autobackup complete  Finished restore at 08-JUL-10  released channel: ch01 |   **11)   Now shutdown the database and mount it using the restored controlfile**   |  | | --- | | >sqlplus / as sysdba  SQL\*Plus: Release 10.2.0.4.0 - Production on Thu Jul 8 15:56:47 2010  Copyright (c) 1982, 2007, Oracle.  All Rights Reserved.  Connected to an idle instance.  SQL> startup mount  ORACLE instance started.  Total System Global Area 1828716544 bytes  Fixed Size                  2041368 bytes  Variable Size            1258297832 bytes  Database Buffers          553648128 bytes  Redo Buffers               14729216 bytes  Database mounted. |   **12)  Find out upto which point you can do the restore.**  **(This is useful if you don't know the time when the server crashed or the time of valid backups available)**   |  | | --- | | >rman  Recovery Manager: Release 10.2.0.4.0 - Production on Fri Jul 9 11:39:01 2010  Copyright (c) 1982, 2007, Oracle.  All rights reserved.  RMAN> connect target /  connected to target database: HYPP (DBID=2563884143, not open)  RMAN> run{  2> allocate channel ch01 type sbt;  3> send 'NB\_ORA\_CLIENT=hypprdbv1-bn';  4**> restore database preview;**  5> }  using target database control file instead of recovery catalog  allocated channel: ch01  channel ch01: sid=1092 devtype=SBT\_TAPE  channel ch01: Veritas NetBackup for Oracle - Release 6.5 (2007072323)  sent command to channel: ch01  Starting restore at 08-JUL-10  List of Backup Sets  ===================  BS Key  Type LV Size       Device Type Elapsed Time Completion Time  ------- ---- -- ---------- ----------- ------------ ---------------  5949    Incr 0  239.00M    SBT\_TAPE    00:01:24     21-JUN-10          BP Key: 5949   Status: AVAILABLE  Compressed: NO  Tag: 06\_21\_10\_F          Handle: HYPP\_F\_06\_21\_2010\_6051\_1\_722258752   Media: 310917  Keep: LOGS               Until: 21-SEP-10    List of Datafiles in backup set 5949    File LV Type Ckp SCN    Ckp Time  Name    ---- -- ---- ---------- --------- ----    5    0  Incr 10513166137701 21-JUN-10 /adm02/u0001/oracle/datafile/HYPP/tools\_01.dbf    9    0  Incr 10513166137701 21-JUN-10 /adm02/u0001/oracle/datafile/HYPP/hypp\_apps\_01.dbf  BS Key  Type LV Size       Device Type Elapsed Time Completion Time  ------- ---- -- ---------- ----------- ------------ ---------------  5950    Incr 0  371.00M    SBT\_TAPE    00:02:04     21-JUN-10          BP Key: 5950   Status: AVAILABLE  Compressed: NO  Tag: 06\_21\_10\_F          Handle: HYPP\_F\_06\_21\_2010\_6050\_1\_722258752   Media: 310917  Keep: LOGS               Until: 21-SEP-10    List of Datafiles in backup set 5950    File LV Type Ckp SCN    Ckp Time  Name    ---- -- ---- ---------- --------- ----    1    0  Incr 10513166137700 21-JUN-10 /adm02/u0001/oracle/datafile/HYPP/system01.dbf    3    0  Incr 10513166137700 21-JUN-10 /adm02/u0001/oracle/datafile/HYPP/sysaux01.dbf    4    0  Incr 10513166137700 21-JUN-10 /adm02/u0001/oracle/datafile/HYPP/users01.dbf    8    0  Incr 10513166137700 21-JUN-10 /adm02/u0001/oracle/datafile/HYPP/hypp\_bi\_01.dbf  BS Key  Type LV Size       Device Type Elapsed Time Completion Time  ------- ---- -- ---------- ----------- ------------ ---------------  5952    Incr 0  3.89G      SBT\_TAPE    00:03:37     21-JUN-10          BP Key: 5952   Status: AVAILABLE  Compressed: NO  Tag: 06\_21\_10\_F          Handle: HYPP\_F\_06\_21\_2010\_6049\_1\_722258751   Media: 310917  Keep: LOGS               Until: 21-SEP-10    List of Datafiles in backup set 5952    File LV Type Ckp SCN    Ckp Time  Name    ---- -- ---- ---------- --------- ----    2    0  Incr 10513166137699 21-JUN-10 /adm02/u0001/oracle/datafile/HYPP/undo\_01.dbf    6    0  Incr 10513166137699 21-JUN-10 /adm02/u0001/oracle/datafile/HYPP/hypp\_data\_01.dbf    7    0  Incr 10513166137699 21-JUN-10 /adm02/u0001/oracle/datafile/HYPP/hypp\_idx\_01.dbf    10   0  Incr 10513166137699 21-JUN-10 /adm02/u0001/oracle/datafile/HYPP/hyp\_hal\_data\_01.dbf  List of Backup Sets  ===================  BS Key  Size       Device Type Elapsed Time Completion Time  ------- ---------- ----------- ------------ ---------------  5955    256.00K    SBT\_TAPE    00:00:56     21-JUN-10          BP Key: 5955   Status: AVAILABLE  Compressed: NO  Tag: ARCH\_06\_21\_10\_11          Handle: HYPP\_A\_06\_21\_2010\_6055\_1\_722259284   Media: /netbpmed02cdc\_dsu2\_2/hypprdbv1-bn\_1277134493\_C1\_F1    List of Archived Logs in backup set 5955    Thrd Seq     Low SCN    Low Time  Next SCN   Next Time    ---- ------- ---------- --------- ---------- ---------    1    1783    10513166138999 21-JUN-10 10513166139334 21-JUN-10  List of Archived Log Copies  Key     Thrd Seq     S Low Time  Name  ------- ---- ------- - --------- ----  1672    1    1782    A 21-JUN-10 /adm02/u8001/HYPP/arch/arch\_HYPQ\_0001\_0000001782\_0637224303.arc  1673    1    1       A 08-JUL-10 /adm02/u8001/HYPP/arch/arch\_HYPQ\_0001\_0000000001\_0723832272.arc  Media recovery start SCN is 10513166137699  Recovery must be done beyond **SCN 10513166137701** to clear data files fuzziness  Finished restore at 09-JUL-10  released channel: ch01 |   Now we know we can go upto SCN **10513166137701** during the restore and make sure you change the datafile locations during the restore since you are restoring onto a new server which has different mount point naming conventions**.**  **13)  Now start the database restore.**  Now prepare the restore script for HYPP and run in nohup:   |  | | --- | | >vi HYPP\_restore.sh  #/bin/ksh  ORACLE\_HOME=/adm02/u0001/oracle/product/10.2.0/db\_1  ORACLE\_SID=HYPP  export ORACLE\_HOME  export ORACLE\_SID  /adm02/u0001/oracle/product/10.2.0/db\_1/bin/rman >>HYPP\_restore.log<  connect target /  run {  allocate channel ch01 type sbt;  send 'NB\_ORA\_CLIENT=hypprdbv1-bn';  set until scn=10513166137701;  set newname for datafile 1 to '/adm02/u0001/oracle/datafile/HYPP/system01.dbf';  set newname for datafile 3 to '/adm02/u0001/oracle/datafile/HYPP/sysaux01.dbf';  set newname for datafile 4 to '/adm02/u0001/oracle/datafile/HYPP/users01.dbf';  set newname for datafile 8 to '/adm02/u0001/oracle/datafile/HYPP/hypp\_bi\_01.dbf';  set newname for datafile 5 to '/adm02/u0001/oracle/datafile/HYPP/tools\_01.dbf';  set newname for datafile 9 to '/adm02/u0001/oracle/datafile/HYPP/hypp\_apps\_01.dbf';  set newname for datafile 2 to '/adm02/u0001/oracle/datafile/HYPP/undo\_01.dbf';  set newname for datafile 6 to '/adm02/u0001/oracle/datafile/HYPP/hypp\_data\_01.dbf';  set newname for datafile 7 to '/adm02/u0001/oracle/datafile/HYPP/hypp\_idx\_01.dbf';  set newname for datafile 10 to '/adm02/u0001/oracle/datafile/HYPP/hyp\_hal\_data\_01.dbf';  restore database;  switch datafile all;  recover database;  }  EOF |   **14)  Now kick off the above script in nohup:**   |  | | --- | | RMAN>  connected to target database: HYPP (DBID=2563884143, not open)  RMAN> 2> 3> 4> 5> 6> 7> 8> 9> 10> 11> 12> 13> 14> 15> 16> 17> 18>  using target database control file instead of recovery catalog  allocated channel: ch01  channel ch01: sid=1094 devtype=SBT\_TAPE  channel ch01: Veritas NetBackup for Oracle - Release 6.5 (2007072323)  sent command to channel: ch01  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  executing command: SET NEWNAME  executing command: SET NEWNAME  executing command: SET NEWNAME  Starting restore at 08-JUL-10  channel ch01: starting datafile backupset restore  channel ch01: specifying datafile(s) to restore from backup set  restoring datafile 00005 to /adm02/u0001/oracle/datafile/HYPP/tools\_01.dbf  restoring datafile 00009 to /adm02/u0001/oracle/datafile/HYPP/hypp\_apps\_01.dbf  channel ch01: reading from backup piece HYPP\_F\_06\_21\_2010\_6051\_1\_722258752  channel ch01: restored backup piece 1  piece handle=HYPP\_F\_06\_21\_2010\_6051\_1\_722258752 tag=06\_21\_10\_F  channel ch01: restore complete, elapsed time: 00:02:36  channel ch01: starting datafile backupset restore  channel ch01: specifying datafile(s) to restore from backup set  restoring datafile 00001 to /adm02/u0001/oracle/datafile/HYPP/system01.dbf  restoring datafile 00003 to /adm02/u0001/oracle/datafile/HYPP/sysaux01.dbf  restoring datafile 00004 to /adm02/u0001/oracle/datafile/HYPP/users01.dbf  restoring datafile 00008 to /adm02/u0001/oracle/datafile/HYPP/hypp\_bi\_01.dbf  channel ch01: reading from backup piece HYPP\_F\_06\_21\_2010\_6050\_1\_722258752  channel ch01: restored backup piece 1  piece handle=HYPP\_F\_06\_21\_2010\_6050\_1\_722258752 tag=06\_21\_10\_F  channel ch01: restore complete, elapsed time: 00:01:36  channel ch01: starting datafile backupset restore  channel ch01: specifying datafile(s) to restore from backup set  restoring datafile 00002 to /adm02/u0001/oracle/datafile/HYPP/undo\_01.dbf  restoring datafile 00006 to /adm02/u0001/oracle/datafile/HYPP/hypp\_data\_01.dbf  restoring datafile 00007 to /adm02/u0001/oracle/datafile/HYPP/hypp\_idx\_01.dbf  restoring datafile 00010 to /adm02/u0001/oracle/datafile/HYPP/hyp\_hal\_data\_01.dbf  channel ch01: reading from backup piece HYPP\_F\_06\_21\_2010\_6049\_1\_722258751  channel ch01: restored backup piece 1  piece handle=HYPP\_F\_06\_21\_2010\_6049\_1\_722258751 tag=06\_21\_10\_F  channel ch01: restore complete, elapsed time: 00:02:26  Finished restore at 08-JUL-10  datafile 1 switched to datafile copy  input datafile copy recid=11 stamp=723831657 filename=/adm02/u0001/oracle/datafile/HYPP/system01.dbf  datafile 3 switched to datafile copy  input datafile copy recid=12 stamp=723831657 filename=/adm02/u0001/oracle/datafile/HYPP/sysaux01.dbf  datafile 4 switched to datafile copy  input datafile copy recid=13 stamp=723831657 filename=/adm02/u0001/oracle/datafile/HYPP/users01.dbf  datafile 8 switched to datafile copy  input datafile copy recid=14 stamp=723831657 filename=/adm02/u0001/oracle/datafile/HYPP/hypp\_bi\_01.dbf  datafile 5 switched to datafile copy  input datafile copy recid=15 stamp=723831657 filename=/adm02/u0001/oracle/datafile/HYPP/tools\_01.dbf  datafile 9 switched to datafile copy  input datafile copy recid=16 stamp=723831657 filename=/adm02/u0001/oracle/datafile/HYPP/hypp\_apps\_01.dbf  datafile 2 switched to datafile copy  input datafile copy recid=17 stamp=723831657 filename=/adm02/u0001/oracle/datafile/HYPP/undo\_01.dbf  datafile 6 switched to datafile copy  input datafile copy recid=18 stamp=723831657 filename=/adm02/u0001/oracle/datafile/HYPP/hypp\_data\_01.dbf  datafile 7 switched to datafile copy  input datafile copy recid=19 stamp=723831657 filename=/adm02/u0001/oracle/datafile/HYPP/hypp\_idx\_01.dbf  datafile 10 switched to datafile copy  input datafile copy recid=20 stamp=723831657 filename=/adm02/u0001/oracle/datafile/HYPP/hyp\_hal\_data\_01.dbf  Starting recover at 08-JUL-10  starting media recovery  channel ch01: starting archive log restore to default destination  channel ch01: restoring archive log  archive log thread=1 sequence=1782  channel ch01: reading from backup piece HYPP\_A\_06\_21\_2010\_6054\_1\_722259284  channel ch01: restored backup piece 1  piece handle=HYPP\_A\_06\_21\_2010\_6054\_1\_722259284 tag=ARCH\_06\_21\_10\_11  channel ch01: restore complete, elapsed time: 00:01:36  archive log filename=/adm02/u8001/HYPP/arch/arch\_HYPQ\_0001\_0000001782\_0637224303.arc thread=1 sequence=1782  media recovery complete, elapsed time: 00:00:02  Finished recover at 08-JUL-10  released channel: ch01  RMAN>  Recovery Manager complete. |   **15)  This applies only if the logfiles are missing or logfile location is different or you want to put them in a new mount point after the restore**  Before we open the database in resetlogs we need to make sure the logfiles locations are changed properly   |  | | --- | | SQL> select member from v$logfile;  MEMBER  --------------------------------------------------------------------------------  /hyp01/u9001/HYPP/redo/redo01a.log  /hyp01/u9002/HYPP/redo/redo01b.log  /hyp01/u9002/HYPP/redo/redo02a.log  /hyp01/u9003/HYPP/redo/redo02b.log  /hyp01/u9003/HYPP/redo/redo03a.log  /hyp01/u9004/HYPP/redo/redo03b.log |   **Above is still pointing to the old locations “/hyp01/” so now change them to the new location;**  connect to the database :   |  | | --- | | SQL> select open\_mode from v$database;  OPEN\_MODE  ----------  MOUNTED |   **Run the below script to rename the logfiles to new locations:**   |  | | --- | | alter database rename file  '/hyp01/u9001/HYPP/redo/redo01a.log' to '/adm02/u0001/oracle/datafile/HYPP/redo01a.log';  alter database rename file '/hyp01/u9002/HYPP/redo/redo01b.log' to '/adm02/u0001/oracle/datafile/HYPP/redo01b.log';  alter database rename file  '/hyp01/u9002/HYPP/redo/redo02a.log' to '/adm02/u0001/oracle/datafile/HYPP/redo02a.log';  alter database rename file  '/hyp01/u9003/HYPP/redo/redo02b.log' to '/adm02/u0001/oracle/datafile/HYPP/redo02b.log';  alter database rename file  '/hyp01/u9003/HYPP/redo/redo03a.log' to '/adm02/u0001/oracle/datafile/HYPP/redo03a.log';  alter database rename file  '/hyp01/u9004/HYPP/redo/redo03b.log' to '/adm02/u0001/oracle/datafile/HYPP/redo03b.log';  Database altered.  SQL>  Database altered.  SQL>  Database altered.  SQL>  Database altered.  SQL>  Database altered. |   **Verify the changes has been taken affect:**   |  | | --- | | SQL> select member from v$logfile;  MEMBER  --------------------------------------------------------------------------------  /adm02/u0001/oracle/datafile/HYPP/redo01a.log  /adm02/u0001/oracle/datafile/HYPP/redo01b.log  /adm02/u0001/oracle/datafile/HYPP/redo02a.log  /adm02/u0001/oracle/datafile/HYPP/redo02b.log  /adm02/u0001/oracle/datafile/HYPP/redo03a.log  /adm02/u0001/oracle/datafile/HYPP/redo03b.log  6 rows selected. |   **16)  Final Step:-  Open the database in RESTLOGS mode( SINCE WE JUST DID AN INCOMPLETE MEDIA RECOVERY)**   |  | | --- | | SQL>  SQL> alter database open resetlogs;  Database altered.  SQL> select open\_mode from v$database;  OPEN\_MODE  ----------  READ WRITE |   **Do a quick check to verify all the files are online:**   |  | | --- | | SQL> select distinct status from v$datafile;  STATUS  -------  ONLINE  SYSTEM | |