 在DataGuard环境中，由于备库的路径、存储、空间等问题，可能会导致文件创建失败的问题。  
 在正常情况下，如果配置正确，文件是能够自动创建的，出错时可能的日志如下：

Sun Jul  5 23:28:23 2009  
 Media Recovery Log /opt/oracle/archivelog/1\_47\_689973859.dbf  
 Media Recovery Log /opt/oracle/archivelog/1\_48\_689973859.dbf  
 Media Recovery Log /opt/oracle/archivelog/1\_49\_689973859.dbf  
 WARNING: File being created with same name as in Primary  
 Existing file may be overwritten  
 File #5 added to control file as 'UNNAMED00005'.  
 Originally created as:  
 '/opt/oracle/oradata/mmstest/test01.dbf'  
 Recovery was unable to create the file as:  
 '/opt/oracle/oradata/mmstest/test01.dbf'  
 Errors with log /opt/oracle/archivelog/1\_49\_689973859.dbf

出现此种情况，进一步的告警日志可能会报出如下错误：

Sun Jul  5 23:28:28 2009  
 Errors in file /opt/oracle/admin/mmstest/bdump/mmstest\_mrp0\_32062.trc:  
 ORA-19502: write error on file "/opt/oracle/oradata/mmstest/test01.dbf", blockno 1024 (blocksize=8192)  
 ORA-27072: File I/O error  
 Linux Error: 9: Bad file descriptor  
 Additional information: 4  
 Additional information: 1024  
 Additional information: 397312  
 Some recovered datafiles maybe left media fuzzy  
 Media recovery may continue but open resetlogs may fail  
 Sun Jul  5 23:28:29 2009  
 Errors in file /opt/oracle/admin/mmstest/bdump/mmstest\_mrp0\_32062.trc:  
 ORA-19502: write error on file "/opt/oracle/oradata/mmstest/test01.dbf", blockno 1024 (blocksize=8192)  
 ORA-27072: File I/O error  
 Linux Error: 9: Bad file descriptor  
 Additional information: 4  
 Additional information: 1024  
 Additional information: 397312

以及尝试recover时可能再次出现：

Mon Jul  6 01:36:30 2009  
 Errors in file /opt/oracle/admin/mmstest/bdump/mmstest\_mrp0\_32589.trc:  
 ORA-01111: name for data file 5 is unknown - rename to correct file  
 ORA-01110: data file 5: '/opt/oracle/product/10.2.0/dbs/UNNAMED00005'  
 ORA-01157: cannot identify/lock data file 5 - see DBWR trace file  
 ORA-01111: name for data file 5 is unknown - rename to correct file  
 ORA-01110: data file 5: '/opt/oracle/product/10.2.0/dbs/UNNAMED00005'

出现这些错误时MRP进程会停止工作，恢复中断：

Mon Jul  6 01:36:30 2009  
 MRP0: Background Media Recovery process shutdown (mmstest)

在修正相关的问题之后，我们可以进行如下一系列的操作来恢复这些错误：

SQL> **alter system set standby\_file\_management=manual;  
  
 System altered.  
  
 SQL> alter database create datafile  
   2  '/opt/oracle/product/10.2.0/dbs/UNNAMED00005' as '/opt/oracle/oradata/mmstest/test01.dbf';  
  
  
 Database altered.  
  
 SQL> alter system set standby\_file\_management=auto;  
  
 System altered.  
  
 SQL> recover managed standby database disconnect from session;  
 Media recovery complete.**

此时备库的恢复得以继续：

Mon Jul  6 01:41:14 2009  
 ALTER SYSTEM SET standby\_file\_management='MANUAL' SCOPE=MEMORY;  
 Mon Jul  6 01:42:13 2009  
 alter database create datafile  
 '/opt/oracle/product/10.2.0/dbs/UNNAMED00005' as '/opt/oracle/oradata/mmstest/test01.dbf'  
 Mon Jul  6 01:42:14 2009  
 Completed: alter database create datafile  
 '/opt/oracle/product/10.2.0/dbs/UNNAMED00005' as '/opt/oracle/oradata/mmstest/test01.dbf'  
 Mon Jul  6 01:42:26 2009  
 ALTER SYSTEM SET standby\_file\_management='AUTO' SCOPE=MEMORY;  
 Mon Jul  6 01:42:40 2009  
 ALTER DATABASE RECOVER  managed standby database disconnect from session  
 Mon Jul  6 01:42:40 2009  
 Attempt to start background Managed Standby Recovery process (mmstest)  
 MRP0 started with pid=16, OS id=32607  
 Mon Jul  6 01:42:41 2009  
 MRP0: Background Managed Standby Recovery process started (mmstest)  
 Managed Standby Recovery not using Real Time Apply  
  parallel recovery started with 3 processes  
 Media Recovery Log /opt/oracle/archivelog/1\_49\_689973859.dbf  
 Mon Jul  6 01:42:47 2009  
 Completed: ALTER DATABASE RECOVER  managed standby database disconnect from session  
 Mon Jul  6 01:43:02 2009  
 Media Recovery Log /opt/oracle/archivelog/1\_50\_689973859.dbf  
 Mon Jul  6 01:43:17 2009  
 Media Recovery Log /opt/oracle/archivelog/1\_51\_689973859.dbf  
 Mon Jul  6 01:43:32 2009  
 Media Recovery Log /opt/oracle/archivelog/1\_52\_689973859.dbf  
 Mon Jul  6 01:43:45 2009  
 Media Recovery Log /opt/oracle/archivelog/1\_53\_689973859.dbf

正常情况下的配置及文件创建，其提示应该类似如下过程：

Mon Jul  6 01:53:28 2009  
 WARNING: File being created with same name as in Primary  
 Existing file may be overwritten  
 Recovery created file /opt/oracle/oradata/mmstest/wztest02.dbf  
 Successfully added datafile 7 to media recovery  
 Datafile #7: '/opt/oracle/oradata/mmstest/wztest02.dbf'  
 Media Recovery Log /opt/oracle/archivelog/1\_80\_689973859.dbf

在这个测试环境中，是由于空间不足导致的文件创建失败。  
  
 注意，在以上步骤中，如果standby\_file\_management设置为AUTO时，执行create命令会遇到如下错误：

SQL> alter database rename  
   2  file '/opt/oracle/product/10.2.0/dbs/UNNAMED00005' to '/opt/oracle/oradata/mmstest/test01.dbf';  
  
 alter database rename  
 \*  
 ERROR at line 1:  
 ORA-01511: error in renaming log/data files  
 ORA-01275: Operation RENAME is not allowed if standby file management is　automatic.

-The End-