datagurad 检查

alter database recover managed standby database using current logfile disconnect from session;

recover managed standby database cancel;

recover automatic standby database;     -查看需要应用的日志

SQL> select \* from v$dataguard\_stats;

NAME                 VALUE                UNIT                   TIME\_COMPUTED              DATUM\_TIME

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transport lag             +00 00:00:00            day(2) to second(0) interval   09/19/2016 14:43:57          09/19/2016 14:43:57

apply lag             +00 00:00:00            day(2) to second(0) interval   09/19/2016 14:43:57          09/19/2016 14:43:57

apply finish time         +00 00:00:00.000        day(2) to second(3) interval   09/19/2016 14:43:57

estimated startup time         26                second                   09/19/2016 14:43:57

SQL>

SQL> SELECT \* FROM V$STANDBY\_EVENT\_HISTOGRAM WHERE NAME = 'apply lag' -

> AND COUNT > 0;

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1 查看数据库的 数据保护模式，数据保护级别，数据库角色和切换的状态  
 SELECT PROTECTION\_MODE, PROTECTION\_LEVEL,DATABASE\_ROLE ROLE, SWITCHOVER\_STATUS FROM V$DATABASE;  
  
 PROTECTION\_MODE      PROTECTION\_LEVEL       ROLE             SWITCHOVER\_STATUS  
 -------------------- -------------------- ---------------- --------------------  
 MAXIMUM PERFORMANCE  MAXIMUM PERFORMANCE  PRIMARY        SESSIONS ACTIVE  
  
  
 PROTECTION\_MODE      PROTECTION\_LEVEL       ROLE             SWITCHOVER\_STATUS  
 -------------------- -------------------- ---------------- --------------------  
 MAXIMUM PERFORMANCE  MAXIMUM PERFORMANCE  PHYSICAL STANDBY NOT ALLOWED  
  
 主库显示为PRIMARY  
 备库显示为PHYSICAL STANDBY  
  
 2 查看主库归档日志  
 select max(sequence#), thread# from v$archived\_log group by thread#;  
 MAX(SEQUENCE#)       THREAD#  
 -------------- ----------  
        1389          1  
         487          2  
 主库最新的归档日志为  
 1号节点为1389  
 2号节点为487  
          
 3 在备库显示日志传输和日志应用情况  
 SELECT PROCESS, STATUS, THREAD#, SEQUENCE#,BLOCK#, BLOCKS,delay\_mins FROM V$MANAGED\_STANDBY;  
 PROCESS   STATUS       THREAD#     SEQUENCE#     BLOCK#     BLOCKS DELAY\_MINS  
 --------- ------------ ---------- ---------- ---------- ---------- ----------  
 ARCH       CLOSING          1             1388     671744      1597         0  
 ARCH       CLOSING          1             1389     643072      715         0  
 ARCH       CONNECTED          0                0           0      0             0  
 ARCH       CLOSING          2              487     647168      1809         0  
 RFS           IDLE               0                0           0      0             0  
 RFS           IDLE               0                0           0      0             0  
 RFS           IDLE               0                0           0      0             0  
 RFS           IDLE               0                0           0      0             0  
 RFS           IDLE               0                0           0      0             0  
 RFS           IDLE               0                0           0      0             0  
 RFS           IDLE               2              488     588125      9             0  
 RFS           IDLE               1             1390     209470      1             0  
 MRP0       APPLYING\_LOG     1             1390     209468      1024000    0  
  
 13 rows selected.  
  
 备库接收最新归档日志为  
 备库最新归档（与主库一致）  
 1号节点1389  
 2号节点487  
  
 rfs进程准备接收归档  
 1号节点1390  
 2号节点488  
  
 mrp0进程正在应用最新日志  
 1号节点1390  
  
 DELAY\_MINS延迟时间为0  
  
 4 查看备库日志信息  
 SELECT MESSAGE FROM V$DATAGUARD\_STATUS;

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SQL> select \* from v$database\_incarnation;  
  
 SQL> select INCARNATION#,RESETLOGS\_TIME,STATUS,RESETLOGS\_ID from v$database\_incarnation;                                             
  
 INCARNATION# RESETLOGS STATUS  RESETLOGS\_ID  
 ------------ --------- ------- ------------  
         1 25-OCT-10 PARENT       733334360  
         2 19-FEB-14 CURRENT       839946488  
  
  
 <<<<数据库19-FEB-14执行过open resetlogs，以前的incarnation是733334360  
  
 SQL> select thread#,sequence#,resetlogs\_change#,resetlogs\_id,next\_time from v$archived\_log where sequence# in (18732,2906,5961,2695);  
  
    THREAD#  SEQUENCE# RESETLOGS\_CHANGE# RESETLOGS\_ID NEXT\_TIME  
 ---------- ---------- ----------------- ------------ ---------  
      1     18732                1             733334360 30-DEC-13  
      2     5961                1             733334360 17-SEP-13  
      2     2695          1.3757E+13         839946488 15-OCT-14  
      1     2906          1.3757E+13         839946488 15-OCT-14  
  
 v$archived\_log中记录的非常大的redo 序列号对应的时间都是2010年，incarnation是733334360，说明这些归档日志是open resetlogs之前的日志。