     ORA-600 [3020] "Stuck Recovery" (Doc ID 30866.1)     To BottomTo Bottom      
  
  
 Note: For additional ORA-600 related information please read Note:146580.1  
  
 PURPOSE:  
   This article discusses the internal error "ORA-600 [3020]", what  
   it means and possible actions. The information here is only applicable  
   to the versions listed and is provided only for guidance.  
  
 ERROR:  
  
   Format: ORA-600 [3020] [a] [b] [c] [d] [e]  
  
  
 VERSIONS:  
   version 6.0 and above  
  
 DESCRIPTION:         
  
   This is called a 'STUCK RECOVERY'.  
  
   There is an inconsistency between the information stored in the redo  
   and the information stored in a database block being recovered.  
  
 ARGUMENTS:           
  
 For Oracle 9.2 and earlier:  
   Arg [a] Block DBA  
   Arg [b] Redo Thread  
   Arg [c] Redo RBA Seq  
   Arg [d] Redo RBA Block No  
   Arg [e] Redo RBA Offset.  
  
 For Oracle 10.1  
   Arg [a] Absolute file number of the datafile.  
   Arg [b] Block number  
   Arg [c] Block DBA  
  
 FUNCTIONALITY:  
   kernel cache recovery parallel  
  
 IMPACT:              
   INSTANCE FAILURE during recovery.  
  
 SUGGESTIONS:  
  
   There have been cases of receiving this error when RECOVER has  
   been issued, but either some datafiles were not restored to disk,  
   or the restoration has not finished.  
  
   Therefore, ensure that the entire backup has been restored and that  
   the restore has finished PRIOR to issuing a RECOVER database command.  
  
   If problems continue, consider restoring from a backup and doing a  
   point-in-time recovery to a time PRIOR to the one implied by  
   the ORA-600[3020] error.  
  
   Example:  
  
      SQL> recover database until time 'YYYY-MON-DD:HH:MI:SS';  
  
   This error can also be caused by a lost update.  
  
   During normal operations, block updates/writes are being performed to  
   a number of files including database datafiles, redo log files,  
   archived redo log files etc.  
  
   This error can be reported if any of these updates are lost for some  
   reason.  
  
   Therefore, thoroughly check your operating system and disk hardware.  
  
   In the case of a lost update, restore an old copy of the datafile and  
   attempt to recover and roll forward again.  
  
   If the Known Issues section below does not help in terms of identifying        
   a solution, please submit the trace files and alert.log to Oracle              
   Support Services for further analysis.

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出现这个错误后，恢复中断，无法继续，3020错误在Metalink上的解释，主要原因是：  
   This is called a 'STUCK RECOVERY'.  
   There is an inconsistency between the information stored in the redo  
   and the information stored in a database block being recovered.  
 也就是说，在恢复时发现Redo里面记录的信息和被恢复的数据块信息不一致，导致恢复无法继续。比如Update Some record from 3 to 2,结果发现该记录根本不是3，恢复无法继续。  
  
 这个错误可能是由于写Redo的某个操作丢失，这可能是由于异常宕机或存储故障导致的。  
 This error can be reported if any of these updates are lost for some reason.  
  
 出现这个错误，如果没有备份，数据也不是特别重要，则可以通过一些隐含参数或强制手段来打开数据库，不过不可避免的会出现数据损失，Olive做过一次这样的尝试 。  
 经过验证的可实践方式是使用：  
 recover database [using backup controlfile] allow 1 corruption;  
  
将不一致的块标记为损坏，然后可以执行进一步的恢复尝试。