

Oracle备份的控制文件和新的数据文件 PDF转换可能丢失图片或格式，建议阅读原文

https://www.100test.com/kao_ti2020/143/2021_2022_Oracle_E5_A4_87_E4_c102_143664.htm 我们可以想象，如果控制文件是从备份中恢复的，那么数据库在open过程中又将如何呢？首先备份控制文件，打开数据库，增进检查点：

```
[oracle@jumper eygle]$ cp control01.ctl control01.ctl.bak[oracle@jumper eygle]$ sqlplus "/ as sysdba"SQL *Plus: Release 9.2.0.4.0 - Production on Fri Aug 11 10:46:05 2006Copyright (c) 1982, 2002, Oracle Corporation. All rights reserved.Connected to an idle instance.SQL>
```

```
startupORACLE instance started.Total System Global Area 139531744 bytesFixed Size 452064 bytesVariable Size 121634816 bytesDatabase Buffers 16777216 bytesRedo Buffers 667648 bytesDatabase mounted.Database opened.SQL> alter system checkpoint.System altered.SQL> shutdown immediate.Database closed.Database dismounted.ORACLE instance shut down.SQL> exitDisconnected from Oracle9i Enterprise Edition Release 9.2.0.4.0 - ProductionWith the Partitioning optionJServer Release 9.2.0.4.0 - Production然后恢复旧的控制文件，mount数据库，转储数据文件头：
```

```
[oracle@jumper eygle]$ mv control01.ctl control01.ctl.n[oracle@jumper eygle]$ mv control01.ctl.bak control01.ctl [oracle@jumper eygle]$ sqlplus "/ as sysdba"SQL *Plus: Release 9.2.0.4.0 - Production on Fri Aug 11 10:46:50 2006Copyright (c) 1982, 2002, Oracle Corporation. All rights reserved.Connected to an idle instance.SQL> startup mount.ORACLE instance started.Total System Global Area 139531744 bytesFixed Size 452064
```

bytesVariable Size 121634816 bytesDatabase Buffers 16777216
bytesRedo Buffers 667648 bytesDatabase mounted.SQL> alter
session set events immediate trace name file_hdrs level 10.Session
altered.SQL> !我们看控制文件的信息（选择一个文件）：
DATA FILE #4: (name #4)
/opt/oracle/oradata/eygle/eygle01.dbfcreation size=0 block
size=8192 status=0xe head=4 tail=4 dup=1 tablespace 4, index=4
krfil=4 prev_file=0 unrecoverable scn: 0x0000.00000000 01/01/1988
00:00:00 Checkpoint cnt:61 scn: 0x0000.002acb1e 08/11/2006
10:44:38 Stop scn: 0x0000.002acb1e 08/11/2006 10:44:38 Creation
Checkpointed at scn: 0x0000.0015078d 06/06/2006 09:41:54再看数
据文件头信息: FILE HEADER: Software
vsn=153092096=0x9200000, Compatibility
Vsn=134217728=0x8000000 Db ID=1407686520=0x53e79778, Db
Name=EYGLE Activation ID=0=0x0 Control Seq=989=0x3dd, File
size=1280=0x500 File Number=4, Blksiz=8192, File Type=3
DATA Tablespace #4 - EYGLE rel_fn:4 Creation at scn:
0x0000.0015078d 06/06/2006 09:41:54Backup taken at scn:
0x0000.00000000 01/01/1988 00:00:00 thread:0 reset logs
count:0x232bee1f scn: 0x0000.0007c781 recovered at 08/11/2006
10:11:26 status:0x0 root dba:0x00000000 chkpt cnt: 64 ctl
cnt:63begin-hot-backup file size: 0Checkpointed at scn:
0x0000.002acb98 08/11/2006 10:46:24我们注意到数据文件
的chkpt cnt: 64 要大约控制文件的Checkpoint cnt:61，也就是说
控制文件是旧的。此时尝试打开数据库就会出现如下错误：
[oracle@jumper udump]\$ sqlplus "/ as sysdba"SQL*Plus: Release

9.2.0.4.0 - Production on Fri Aug 11 10:51:20 2006 Copyright (c) 1982, 2002, Oracle Corporation. All rights reserved. Connected to: Oracle9i Enterprise Edition Release 9.2.0.4.0 - Production With the Partitioning option JServer Release 9.2.0.4.0 - Production SQL> alter database open. alter database open *ERROR at line 1: ORA-01122: database file 1 failed verification check ORA-01110: data file 1: /opt/oracle/oradata/eygle/system01.dbf ORA-01207: file is more recent than controlfile - old controlfile Oracle 告诉我们，控制文件是旧的。此时我们可以通过重建控制文件或者从旧的数据备份开始恢复。 100Test 下载频道开通，各类考试题目直接下载。详细请访问 www.100test.com