

Oracle9i的索引监视及注意事项 PDF转换可能丢失图片或格式
， 建议阅读原文

https://www.100test.com/kao_ti2020/268/2021_2022_Oracle9i_E7_9A_c102_268262.htm 对于DML操作来说，索引对于数据库是

一个性能负担.如果索引没有被有效的使用,那么其存在性就值得从新考虑.1. 从Oracle9i开始,Oracle允许你监视索引的使

用:SQL> connect scott/tiger@conner Connected to Oracle9i

Enterprise Edition Release 9.2.0.4.0 Connected as scott SQL> 0select
index_name from user_indexes. INDEX_NAME

----- PK_DEPT PK_EMP 开始监

视pk_dept索引: SQL> alter index pk_dept monitoring usage. Index
altered 在此过程中,如果查询使用索引,将会记录下来: SQL>

0select * from dept where deptno=10. DEPTNO DNAME LOC

----- 10 ACCOUNTING NEW YORK

停止监视: SQL> alter index pk_dept nomonitoring usage. Index

altered 查询索引使用情况,YES表示在监视过程中索引被使用

到: SQL> 0select * from v\$object_usage. INDEX_NAME

TABLE_NAME MONITORING USED START_MONITORING
END_MONITORING -----

----- PK_DEPT DEPT NO

YES 10/28/2004 10:55:19 10/28/2004 10:55:47 SQL> 2.Oracle9i

的Bug在9205之前，如果你不慎监控了SYS.I_OBJAUTH1索引

，并且不幸在重起数据库之前没有停止它，那么你的数据库
将会无法启动，并且不会给出任何错误信息。以下这条简单的
语句可以轻易再现这个问题:ALTER INDEX

SYS.I_OBJAUTH1 MONITORING USAGE 如果你有了足够好

的备份(严重警告, 请不要拿你的生产数据库进行测试), 你可以尝试一下:[oracle@jumper oradata]\$ sqlplus "/ as sysdba"

```
SQL*Plus: Release 9.2.0.4.0 - Production on Sat Dec 4 10:09:30
2004Copyright (c) 1982, 2002, Oracle Corporation. All rights
reserved.Connected to:Oracle9i Enterprise Edition Release 9.2.0.4.0
- ProductionWith the Partitioning optionJServer Release 9.2.0.4.0 -
ProductionSQL> alter index SYS.I_OBJAUTH1 monitoring usage
.Index altered.SQL> shutdown immediate.Database closed.Database
dismounted.ORACLE instance shut down.SQL> startupORACLE
instance started.Total System Global Area 80811208 bytesFixed Size
451784 bytesVariable Size 37748736 bytesDatabase Buffers 41943040
bytesRedo Buffers 667648 bytesDatabase mounted.此时, 数据库
挂起, 而且不会有任何提示, 在alert.log文件中, 你可以看到:
[oracle@jumper bdump]$ tail -f alert_conner.log Completed:
ALTER DATABASE MOUNTSat Dec 4 10:09:49 2004ALTER
DATABASE OPENSat Dec 4 10:09:49 2004LGWR: Primary
database is in CLUSTER CONSISTENT modeThread 1 opened at
log sequence 54Current log# 2 seq# 54 mem# 0:
/opt/oracle/oradata/conner/redo02.logSuccessful open of redo
thread 1.Sat Dec 4 10:09:49 2004SMON: enabling cache recoverySat
Dec 4 10:10:33 2004Restarting dead background process
QMN0QMN0 started with pid=9 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
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