

在Oracle9i中,如何监视索引并清除监视信息 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__E5_9C_A8

Oracle9_c102_143131.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 2004 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  
index SYS.I_OBJAUTH1 monitoring usage . Index altered. SQL>  
shutdown immediate. Database closed. Database dismounted.
```

```
ORACLE instance shut down. SQL> startup ORACLE instance  
started. Total System Global Area 80811208 bytes Fixed Size 451784  
bytes Variable Size 37748736 bytes Database Buffers 41943040 bytes  
Redo Buffers 667648 bytes Database 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 MOUNT Sat Dec 4 10:09:49 2004ALTER  
DATABASE OPENSat Dec 4 10:09:49 2004 LGWR: Primary  
database is in CLUSTER CONSISTENT mode Thread 1 opened at  
log sequence 54 Current log# 2 seq# 54 mem# 0:  
/opt/oracle/oradata/conner/redo02.log Successful open of redo  
thread 1. Sat Dec 4 10:09:49 2004 SMON: enabling cache recovery  
Sat Dec 4 10:10:33 2004 Restarting dead background process QMN0  
QMN0 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
```