

Oracle中捕获问题SQL解决CPU过渡消耗（3）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\\_E4\\_B8\\_AD\\_E6\\_c102\\_143677.htm](https://www.100test.com/kao_ti2020/143/2021_2022_Oracle_E4_B8_AD_E6_c102_143677.htm) 5.捕获相关SQL 这里用到了我的以下脚本

```
getsqlbysid: SELECT sql_text FROM v$sqltext a WHERE  
a.hash_value = (SELECT sql_hash_value FROM v$session b  
WHERE b.SID = ' amp.sid ' new 5: where b.sid= ' 18 '  
SQL_TEXT
```

```
-----  
0select i.vc2title,i.numinfoguid from hs_info i where i.intenab ledflag  
= 1 and i.intpublishstate = 1 and i.datpublishdate / Enter value for  
sid: 54 old 5: where b.sid= ' amp.sid ' new 5: where b.sid= ' 49 '  
SQL_TEXT
```

```
-----  
0select i.vc2title,i.numinfoguid from hs_info i where i.intenab ledflag  
= 1 and i.intpublishstate = 1 and i.datpublishdate 对几个进程进行  
跟踪,分别得到以上SQL语句，这些SQL可能就是问题产生的  
根源。以上语句如果良好编码应该使用绑定变量.但是现在这个  
不是我们关心的。使用该应用用户连接，检查以上SQL的  
执行计划: SQL> set autotrace trace explain SQL> 0select  
i.vc2title,i.numinfoguid 2 from hs_info i where i.intenab ledflag = 1 3  
and i.intpublishstate = 1 and i.datpublishdate 0select count(*) from  
hs_info. COUNT(*) ----- 227404以上查询使用了全表扫描，  
该表这里有22万记录，全表扫描已经不再适合。检查该表，  
存在以下索引: SQL> 0select index_name,index_type from  
user_indexes where table_name= ' HS_INFO ' . INDEX_NAME
```

INDEX\_TYPE -----

----- HSIDX\_INFO1 FUNCTION-BASED  
NORMAL HSIDX\_INFO\_SEARCHKEY DOMAIN

PK\_HS\_INFO NORMAL检查索引键值: SQL> 0select

index\_name,column\_name 2 from user\_ind\_columns where

table\_name = ' HS\_INFO ' . INDEX\_NAME COLUMN\_NAME

----- HSIDX\_INFO1

NUMORDER HSIDX\_INFO1 SYS\_NC00024\$

HSIDX\_INFO\_SEARCHKEY VC2INDEXWORDS

PK\_HS\_INFO NUMINFOGUID SQL> desc hs\_info Name Null?

Type -----

NUMINFOGUID NOT NULL NUMBER(15)

NUMCATALOGGUID NOT NULL NUMBER(15)

INTTEXTTYPE NOT NULL NUMBER(38) VC2TITLE NOT

NULL VARCHAR2(60) VC2AUTHOR VARCHAR2(100)

NUMPREVINFOGUID NUMBER(15) NUMNEXTINFOGUID

NUMBER(15) NUMORDER NOT NULL NUMBER(15)

DATPUBLISHDATE NOT NULL DATE INTPUBLISHSTATE

NOT NULL NUMBER(38) VC2PUBLISHERID VARCHAR2(30)

VC2INDEXWORDS VARCHAR2(200) VC2WAPPREVPATH

VARCHAR2(200) VC2WEBPREVPATH VARCHAR2(200)

VC2WAP2PREVPATH VARCHAR2(200) NUMVISITED NOT

NULL NUMBER(15) INTENABLEDFLAG NOT NULL

NUMBER(38) DATCREATETIME NOT NULL DATE

DATMODIFYTIME NOT NULL DATE VC2NOTES

VARCHAR2(1000) INTINFOTYPE NOT NULL NUMBER(38)

VC2PRIZEFLAG VARCHAR2(1) VC2DESC

VARCHAR2(1000)6.决定创建新的索引以消除全表扫描 检查发现在numcatalogguid字段上并没有索引,该字段具有很好的区分度,考虑在该字段创建索引以消除全表扫描。 SQL> create index hs\_info\_NUMCATALOGGUID on hs\_info(NUMCATALOGGUID). Index created. SQL> set autotrace trace explain SQL> 0select i.vc2title,i.numinfoguid 2 from hs\_info i where i.intenabedflag = 1 3 and i.intpublishstate = 1 and i.datpublishdate 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](http://www.100test.com)