跨库绑定执行计划

说明

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**杭州美创科技有限公司**

**目录**

[一、 方法一 1](#_Toc836952531)

[3.1 将要绑定的SQL\_ID传入 1](#_Toc643300667)

[3.2 将Outline Data作为hint去B库绑定 1](#_Toc1521631271)

[二、 方法二(要求源库和目标库SQL\_ID一致) 2](#_Toc1821503221)

[3.3 源库使用coe\_xfr\_sql\_profile.sql脚本 2](#_Toc1625247362)

[3.4 目标库执行脚本 2](#_Toc1687906941)

[1.1.1 验证 3](#_Toc392980517)

修订记录

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| --- | --- | --- | --- |
| 日期 | 修订版本 | 描述 | 作者 |
| 2021/12/12 | V1.0 | 跨库绑定执行计划说明 | 姚崇 |
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# 方法一

## 将要绑定的SQL\_ID传入

SQL> select \* from table(dbms\_xplan.display\_cursor('SQL\_ID', null, 'advanced -bytes -PROJECTION allstats last'));

得到 Outline Data信息

/\*+

BEGIN\_OUTLINE\_DATA

IGNORE\_OPTIM\_EMBEDDED\_HINTS

OPTIMIZER\_FEATURES\_ENABLE('11.2.0.4')

DB\_VERSION('11.2.0.4')

ALL\_ROWS

OUTLINE\_LEAF(@"SEL$1")

OUTLINE\_LEAF(@"INS$1")

FULL(@"INS$1" "TEST"@"INS$1")

FULL(@"SEL$1" "TEST"@"SEL$1")

END\_OUTLINE\_DATA

\*/

## 将Outline Data作为hint去B库绑定

insert /\*+

BEGIN\_OUTLINE\_DATA

IGNORE\_OPTIM\_EMBEDDED\_HINTS

OPTIMIZER\_FEATURES\_ENABLE('11.2.0.4')

DB\_VERSION('11.2.0.4')

ALL\_ROWS

OUTLINE\_LEAF(@"SEL$1")

OUTLINE\_LEAF(@"INS$1")

FULL(@"INS$1" "TEST"@"INS$1")

FULL(@"SEL$1" "TEST"@"SEL$1")

END\_OUTLINE\_DATA

\*/ into test select \* from test;

# 方法二(要求源库和目标库SQL\_ID一致)

## 源库使用coe\_xfr\_sql\_profile.sql脚本

传入SQL\_ID 和 AVG\_ET\_SECS执行时间少的PLAN\_HASH\_VALUE

SQL> @coe\_xfr\_sql\_profile

Parameter 1:

SQL\_ID (required)

Enter value for 1: 8xt2s6pfbxc2u

PLAN\_HASH\_VALUE AVG\_ET\_SECS

--------------- -----------

1357081020 9.888

Parameter 2:

PLAN\_HASH\_VALUE (required)

Enter value for 2: 1357081020

Values passed to coe\_xfr\_sql\_profile:

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

SQL\_ID : "8xt2s6pfbxc2u"

PLAN\_HASH\_VALUE: "1357081020"

...

Execute coe\_xfr\_sql\_profile\_8xt2s6pfbxc2u\_1357081020.sql

on TARGET system in order to create a custom SQL Profile

with plan 1357081020 linked to adjusted sql\_text.

生成 coe\_xfr\_sql\_profile\_8xt2s6pfbxc2u\_1357081020.sql脚本

## 目标库执行脚本

将coe\_xfr\_sql\_profile\_8xt2s6pfbxc2u\_1357081020.sql脚本传入到要绑定的库下

SQL> @coe\_xfr\_sql\_profile\_8xt2s6pfbxc2u\_1357081020.sql

...

...

40 END;

41 /

PL/SQL procedure successfully completed.

SQL> WHENEVER SQLERROR CONTINUE

SQL> SET ECHO OFF;

SIGNATURE

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18097858460161783925

SIGNATUREF

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18097858460161783925

... manual custom SQL Profile has been created

最后显示... manual custom SQL Profile has been created表示执行成功

### 验证

带入SQL\_ID查看执行计划

SQL> select \* from table(dbms\_xplan.display\_cursor('SQL\_ID', null, 'advanced -bytes -PROJECTION allstats last'));

最后显示SQL profile coe\_8xt2s6pfbxc2u\_1357081020 used for this statement说明绑定成功

Note

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- dynamic sampling used for this statement (level=2)

- SQL profile coe\_8xt2s6pfbxc2u\_1357081020 used for this statement

- Warning: basic plan statistics not available. These are only collected when:

\* hint 'gather\_plan\_statistics' is used for the statement or

\* parameter 'statistics\_level' is set to 'ALL', at session or system level