

转储B\*Tree索引的分支结构 PDF转换可能丢失图片或格式，  
建议阅读原文

[https://www.100test.com/kao\\_ti2020/291/2021\\_2022\\_\\_E8\\_BD\\_AC\\_E5\\_82\\_A8B\\_2ATr\\_c102\\_291144.htm](https://www.100test.com/kao_ti2020/291/2021_2022__E8_BD_AC_E5_82_A8B_2ATr_c102_291144.htm) 我们知道，Oracle允许

对B\*Tree索引进行转储，用来显示"B\*Tree"的层次结构。下面我们

来介绍一个具体的实例以此来进行细化的分析：首先我们需要选择要研究的索引

```
SQL> 0select index_name from user_indexes where  
index_name=I_BD_INVMANDOC_TS.INDEX_NAME-----  
-----I_BD_INVMANDOC_TS 然后再找到此索引的
```

```
"object_id"SQL> 0select object_id from dba_objects where  
object_name=I_BD_INVMANDOC_TS.OBJECT_ID-----  
6393
```

```
此时转储该索引结构SQL> ALTER SESSION SET  
EVENTS immediate trace name TREEDUMP level 6393.Session  
altered.
```

下面是trace文件中的片断，我们可以观察到到该索引共有三个层次，每个leaf上约有341条记录。 \*\*\* 2005-02-26

```
10:52:11.458----- begin tree dump  
branch: 0x1403d9c 20987292 (0: nrow: 5, level: 2) branch: 0x1403f07 20987655 (-1: nrow: 351, level: 1) leaf: 0x1403d9d 20987293 (-1: nrow: 341 rrow: 341) leaf: 0x1403d9e 20987294 (0: nrow: 341 rrow: 341) leaf: 0x1403d9f 20987295 (1: nrow: 341 rrow: 341)..... leaf: 0x1403f00 20987648 (344: nrow: 341 rrow: 341) leaf: 0x1403f01 20987649 (345: nrow: 341 rrow: 341) leaf: 0x1403f02 20987650 (346: nrow: 341 rrow: 341) leaf: 0x1403f03 20987651 (347: nrow: 341 rrow: 341) leaf: 0x1403f04 20987652 (348: nrow: 341 rrow: 341) leaf: 0x1403f05 20987653 (349: nrow: 341 rrow: 341) branch: 0x140406c 20988012 (0: nrow: 350,
```

level: 1) leaf: 0x1403f06 20987654 (-1: nrow: 341 rrow: 341) leaf:  
0x1403f08 20987656 (0: nrow: 341 rrow: 341) leaf: 0x1403f0a  
20987658 (1: nrow: 341 rrow: 341) leaf: 0x1403f0b 20987659 (2:  
nrow: 341 rrow: 341) leaf: 0x1403f0c 20987660 (3: nrow: 341 rrow:  
341) leaf: 0x1403f0d 20987661 (4: nrow: 341 rrow: 341)... leaf:  
0x1404067 20988007 (345: nrow: 341 rrow: 341) leaf: 0x1404068  
20988008 (346: nrow: 341 rrow: 341) leaf: 0x1404069 20988009 (347:  
nrow: 341 rrow: 341) leaf: 0x140406a 20988010 (348: nrow: 341  
rrow: 341) branch: 0x14041d1 20988369 (1: nrow: 350, level: 1) leaf:  
0x140406b 20988011 (-1: nrow: 341 rrow: 341) leaf: 0x140406d  
20988013 (0: nrow: 341 rrow: 341) leaf: 0x140406e 20988014 (1:  
nrow: 341 rrow: 341)... leaf: 0x14041ce 20988366 (347: nrow: 341  
rrow: 341) leaf: 0x14041cf 20988367 (348: nrow: 341 rrow: 341)  
branch: 0x1404336 20988726 (2: nrow: 351, level: 1) leaf: 0x14041d0  
20988368 (-1: nrow: 341 rrow: 341) leaf: 0x14041d2 20988370 (0:  
nrow: 341 rrow: 341) leaf: 0x14041d3 20988371 (1: nrow: 341 rrow:  
341) ... leaf: 0x1404332 20988722 (347: nrow: 341 rrow: 341) leaf:  
0x1404333 20988723 (348: nrow: 341 rrow: 341) leaf: 0x1404334  
20988724 (349: nrow: 341 rrow: 341) branch: 0x140446f 20989039  
(3: nrow: 308, level: 1) leaf: 0x1404335 20988725 (-1: nrow: 341  
rrow: 341) leaf: 0x1404337 20988727 (0: nrow: 341 rrow: 341) leaf:  
0x1404338 20988728 (1: nrow: 341 rrow: 341) leaf: 0x1404339  
20988729 (2: nrow: 341 rrow: 341) ... leaf: 0x140446c 20989036 (304:  
nrow: 341 rrow: 341) leaf: 0x140446d 20989037 (305: nrow: 341  
rrow: 341) leaf: 0x140446e 20989038 (306: nrow: 73 rrow: 73)-----  
end tree dump 注释 : 通过以上这个跟踪我们可以很清楚的看

到B\*Tree索引的结构，同时也有助于加深对B\*Tree索引的理解。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)