

索引与Null值对Hints及执行计划的影响(1) 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__E7_B4_A2_E5_BC_95_E4_B8_8EN_c102_143381.htm

b*tree索引不存储null值,所以在索引字段允许为空的情况下,某些oracle查询不会使用索引.很多时候,我们看似可以使用全索引扫描(full index scan)的情况,可能oracle就会因为null值的存在而放弃索引在此情况下即使使用hints,oracle也不会使用索引,其根本原因就是因为在null值的存在.我们看以下测试.在username字段为not null

```
sql> create table t as 0select
username,password from dba_users.table created.sql> desc t name
null? type -----
----- username not null varchar2(30)
password varchar2(30)sql> create index i_t on t(username).index
created.sql> set autotrace trace explainsql> 0select * from t where
username=eygle.execution
plan-----plan
hash value:
1601196873-----
-----| id | operation | name | rows | bytes | cost (%cpu)|
time
|-----|
----| 0 | 0select statement | | 1 | 34 | 2 (0)| 00:00:01 ||* 1 | table access
full| t | 1 | 34 | 2 (0)| 00:00:01
|-----|
----predicate information (identified by operation
```

id):----- 1 -

filter("username"=eygle)note----- - dynamic sampling used for this
statementsql> set linesize 120sql> 0select /* index(t,i_t) */ * from t
where username=eygle.execution

plan-----plan

hash value:

2928007915-----

-----| id | operation | name | rows | bytes | cost
(%cpu)| time

|-----

-----| 0 | 0select statement | | 1 | 34 | 2 (0)| 00:00:01 || 1 |

table access by index rowid| t | 1 | 34 | 2 (0)| 00:00:01 ||* 2 | index

range scan | i_t | 1 | | 1 (0)| 00:00:01

|-----

-----predicate information (identified by operation

id):----- 2 -

access("username"=eygle)note----- - dynamic sampling used for this
statement 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