

Oracle数据库表范围分区策略测试过程 PDF转换可能丢失图片或格式，建议阅读原文

[https://www.100test.com/kao\\_ti2020/142/2021\\_2022\\_Oracle\\_E6\\_95\\_B0\\_E6\\_c102\\_142696.htm](https://www.100test.com/kao_ti2020/142/2021_2022_Oracle_E6_95_B0_E6_c102_142696.htm) /\*该试验针对按照递增列作为分区条件的情况，按照时间作为分区条件的等下次测试\*/

```
create tablespace test01 datafile D:\oracle\oradata\myora\test01.dbf size 50m.
create tablespace test02 datafile
```

```
D:\oracle\oradata\myora\test02.dbf size 50m.
create tablespace test03 datafile D:\oracle\oradata\myora\test03.dbf size 50m.
create tablespace test_idx01 datafile
```

```
D:\oracle\oradata\myora\test_idx01.dbf size 20m.
create tablespace test_idx02 datafile D:\oracle\oradata\myora\test_idx02.dbf size 20m.
create tablespace test_idx03 datafile
```

```
D:\oracle\oradata\myora\test_idx03.dbf size 20m.
Create table test (
aa integer, bb varchar2(100)) partition by range(aa) (
Partition part_01 values less than(10000) Tablespace test_idx01,
Partition part_02 values less than(30000) Tablespace test_idx02,
Partition part_03 values less than(maxvalue) Tablespace test_idx03).
Create Index idx_test_aa On test(aa) Local (
Partition part_01 Tablespace test_idx01,
Partition part_02 Tablespace test_idx02,
Partition part_03 Tablespace test_idx03).
-- Create sequence
create sequence seq_test_aa minvalue 1 maxvalue 60000 start with 1 increment by 1 cache 10.
insert into test values(seq_test_aa.nextval, test).
0select Min(callid), Max(callid), Count(*) from test partition(part_01).
0select Min(callid), Max(callid), Count(*) from test partition(part_02).
0select Min(callid), Max(callid), Count(*)
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```

from test partition(part_03).0select
Min(callid),Max(callid),Count(*) from test Where callid 10000 And
callid = 30000.exp test/test@myora file=e:\test01.dmp
buffer=8192000 tables=test:part_01 rows=Y exp test/test@myora
file=e:\test02.dmp buffer=8192000 tables=test:part_02 rows=Y exp
test/test@myora file=e:\test03.dmp buffer=8192000
tables=test:part_03 rows=Y /*注意：这里删除的分区要从后面删
，因为oracle不允许向前添加分区，只能向后添加分区*/alter
table cdr 0drop partition part03 .0select Min(aa),Max(aa),Count(*)
from test partition(part_01).0select Min(aa),Max(aa),Count(*)
from test partition(part_02).0select Min(aa),Max(aa),Count(*)
from test partition(part_03). --本条将报错，提示无此分区0select
Min(aa),Max(aa),Count(*) from test Where aa 3000000 And aa =
6000000. --将无数据显示alter table test add partition part03 values
less than(maxvalue) tablespace test03.0select
Min(aa),Max(aa),Count(*) from test partition(part_01).0select
Min(aa),Max(aa),Count(*) from test partition(part_02).0select
Min(aa),Max(aa),Count(*) from test partition(part_03). --将无数
据0select Min(aa),Max(aa),Count(*) from test Where aa 3000000
And aa = 6000000. --将无数据显示imp test/test@myora
FILE=e:\test03.dmp TABLES = (cdr:part_03) IGNORE=y0select
Min(aa),Max(aa),Count(*) from test partition(part_01).0select
Min(aa),Max(aa),Count(*) from test partition(part_02).0select
Min(aa),Max(aa),Count(*) from test partition(part_03). 0select
Min(aa),Max(aa),Count(*) from test Where aa 3000000 And aa =
6000000. 0delete from test partition(part_02).commit.0select

```

```
Min(aa),Max(aa),Count(*) from test partition(part_01).0select
Min(aa),Max(aa),Count(*) from test partition(part_02). --将无数
据显示0select Min(aa),Max(aa),Count(*) from test
partition(part_03).0select Min(aa),Max(aa),Count(*) from test
Where aa 3000000 And aa --将无数据显示0select
Min(aa),Max(aa),Count(*) from test Where aa >= 6000000.insert
into test values(40000,test).commit.0select
Min(aa),Max(aa),Count(*) from test partition(part_01).0select
Min(aa),Max(aa),Count(*) from test partition(part_02). --将显示1
条数据0select Min(aa),Max(aa),Count(*) from test
partition(part_03).0select Min(aa),Max(aa),Count(*) from test
Where aa 3000000 And aa --将显示1条数据0select
Min(aa),Max(aa),Count(*) from test Where aa >= 6000000.0select
count(*) from test where aa > 1000001. --将有大量数据统计
出0select count(*) from test partition(part_02) where aa > 1000001.
--结果为0条 alter table cdr split partition part_02 at (50000)
into(partition part_02,partition part_06 tablespace test01p2).
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www.100test.com
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