问题描述

应用程序报错，提示数据库存在坏块。

针对该现象通过检测坏块中存在数据，因此只能清除坏块所在的行列数据。

处理步骤

1、通过dbv检查所有文件坏块

dbv file=/AAAAA/ORA\_AAAAA\_LIB62/system01.dbf

dbv file=/AAAAA/ORA\_AAAAA\_LIB62/undotbs01.dbf

dbv file=/AAAAA/ORA\_AAAAA\_LIB62/sysaux01.dbf

dbv file=/AAAAA/ORA\_AAAAA\_LIB62/users01.dbf

dbv file=/oradata/ORA\_AAAAA\_LIB62/afisdata.ora

dbv file=/oradata/ORA\_AAAAA\_LIB62/TPLIB/tplib\_dat000.ora

dbv file=/oradata/ORA\_AAAAA\_LIB62/TPLIB/tplib\_idx000.ora

dbv file=/oradata/ORA\_AAAAA\_LIB62/TPLIB/tplib\_lob000.ora

dbv file=/oradata/ORA\_AAAAA\_LIB62/LPLIB/lplib\_dat000.ora

dbv file=/oradata/ORA\_AAAAA\_LIB62/LPLIB/lplib\_idx000.ora

dbv file=/oradata/ORA\_AAAAA\_LIB62/LPLIB/lplib\_lob000.ora

dbv file=/oradata/ORA\_AAAAA\_LIB62/QUERYLIB/querylib\_dat000.ora

dbv file=/oradata/ORA\_AAAAA\_LIB62/QUERYLIB/querylib\_idx000.ora

dbv file=/oradata/ORA\_AAAAA\_LIB62/QUERYLIB/querylib\_lob000.ora

dbv file=/oradata/ORA\_AAAAA\_LIB62/ADMINLIB/adminlib\_dat000.ora

dbv file=/oradata/ORA\_AAAAA\_LIB62/ADMINLIB/adminlib\_idx000.ora

dbv file=/oradata/ORA\_AAAAA\_LIB62/ADMINLIB/adminlib\_lob000.ora

dbv file=/AAAAA/ORA\_AAAAA\_LIB62/ADMINLIB/ADMINLIB\_DAT001.ORA

dbv file=/AAAAA/ORA\_AAAAA\_LIB62/TPLIB/TPLIB\_DAT001.ORA

dbv file=/AAAAA/ORA\_AAAAA\_LIB62/TPLIB/TPLIB\_DAT002.ORA

dbv file=/AAAAA/ORA\_AAAAA\_LIB62/LPLIB/LPLIB\_DAT001.ORA

dbv file=/AAAAA/ORA\_AAAAA\_LIB62/LPLIB/LPLIB\_DAT002.ORA

dbv file=/AAAAA/ORA\_AAAAA\_LIB62/QUERYLIB/QUERYLIB\_DAT001.ORA

dbv file=/AAAAA/ORA\_AAAAA\_LIB62/TPLIB/TPLIB\_LOB001.ORA

dbv file=/AAAAA/ORA\_AAAAA\_LIB62/TPLIB/TPLIB\_LOB002.ORA

dbv file=/AAAAA/ORA\_AAAAA\_LIB62/TPLIB/TPLIB\_LOB003.ORA

dbv file=/AAAAA/ORA\_AAAAA\_LIB62/TPLIB/TPLIB\_LOB004.ORA

dbv file=/AAAAA/ORA\_AAAAA\_LIB62/TPLIB/TPLIB\_LOB005.ORA

dbv file=/AAAAA/ORA\_AAAAA\_LIB62/TPLIB/TPLIB\_LOB006.ORA

dbv file=/AAAAA/ORA\_AAAAA\_LIB62/TPLIB/TPLIB\_LOB007.ORA

dbv file=/AAAAA/ORA\_AAAAA\_LIB62/TPLIB/TPLIB\_LOB008.ORA

dbv file=/AAAAA/ORA\_AAAAA\_LIB62/TPLIB/TPLIB\_LOB009.ORA

dbv file=/AAAAA/ORA\_AAAAA\_LIB62/TPLIB/TPLIB\_LOB010.ORA

dbv file=/AAAAA/ORA\_AAAAA\_LIB62/TPLIB/TPLIB\_LOB011.ORA

dbv file=/AAAAA/ORA\_AAAAA\_LIB62/TPLIB/TPLIB\_LOB012.ORA

dbv file=/AAAAA/ORA\_AAAAA\_LIB62/TPLIB/TPLIB\_LOB013.ORA

dbv file=/AAAAA/ORA\_AAAAA\_LIB62/TPLIB/TPLIB\_LOB014.ORA

dbv file=/AAAAA/ORA\_AAAAA\_LIB62/TPLIB/TPLIB\_LOB015.ORA

检测坏块是

(file 25, block 560805)

(file 38, block 405585)

(file 38, block 585060)

(file 46, block 895597)

(file 46, block 1189535)

---以上坏块已经解决，本次解决如下坏块。

(file 36, block 874563)

(file 40, block 547190)

(file 45, block 610925)

(file 45, block 979690)

2、查出坏块所在的段

select tablespace\_name,segment\_type,owner,segment\_name from dba\_extents where file\_id=36 and 874563 between block\_id and block\_id+blocks - 1;

select tablespace\_name,segment\_type,owner,segment\_name from dba\_extents where file\_id=40 and 547190 between block\_id and block\_id+blocks - 1;

 select tablespace\_name,segment\_type,owner,segment\_name from dba\_extents where file\_id=45 and 610925 between block\_id and block\_id+blocks - 1;

  select tablespace\_name,segment\_type,owner,segment\_name from dba\_extents where file\_id=45 and 979690 between block\_id and block\_id+blocks - 1;

 SQL>  select tablespace\_name,segment\_type,owner,segment\_name from dba\_extents where file\_id=36 and 874563 between block\_id and block\_id+blocks - 1;

TABLESPACE\_NAME                SEGMENT\_TYPE       OWNER

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SEGMENT\_NAME

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TPLIB\_LOBTS                    LOBSEGMENT         AFIS

SYS\_LOB0000051806C00090$$

SQL>  select tablespace\_name,segment\_type,owner,segment\_name from dba\_extents where file\_id=40 and 547190 between block\_id and block\_id+blocks - 1;

TABLESPACE\_NAME                SEGMENT\_TYPE       OWNER

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SEGMENT\_NAME

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TPLIB\_LOBTS                    LOBSEGMENT         AFIS

SYS\_LOB0000051806C00054$$

SQL>   select tablespace\_name,segment\_type,owner,segment\_name from dba\_extents where file\_id=45 and 610925 between block\_id and block\_id+blocks - 1;

TABLESPACE\_NAME                SEGMENT\_TYPE       OWNER

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SEGMENT\_NAME

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TPLIB\_LOBTS                    LOBSEGMENT         AFIS

SYS\_LOB0000051806C00058$$

SQL>   select tablespace\_name,segment\_type,owner,segment\_name from dba\_extents where file\_id=45 and 979690 between block\_id and block\_id+blocks - 1;

TABLESPACE\_NAME                SEGMENT\_TYPE       OWNER

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SEGMENT\_NAME

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TPLIB\_LOBTS                    LOBSEGMENT         AFIS

SYS\_LOB0000051806C00023$$

3、查出列

select owner,table\_name ,column\_name from dba\_lobs where segment\_name in ('SYS\_LOB0000051806C00090$$','SYS\_LOB0000051806C00054$$','SYS\_LOB0000051806C00058$$','SYS\_LOB0000051806C00023$$') and owner='AFIS';

OWNER                          TABLE\_NAME

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COLUMN\_NAME

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AFIS                           NORMALTP\_TPCARDINFO

FINGERLHXCPR

AFIS                           NORMALTP\_TPCARDINFO

FINGERLHHCPR

AFIS                           NORMALTP\_TPCARDINFO

TPLAINLZCPR

AFIS                           NORMALTP\_TPCARDINFO

FINGERRHMBIN

4、查出rowid

create table corrupted\_lob\_data (corrupted\_rowid rowid);  --创建表用于存放检测出的rowid

--此pl/sql必须查一次，退出sqlplus 一次，否则不提示输入列。

set concat off

declare

error\_1578 exception;

pragma exception\_init(error\_1578,-1578);

num number;

begin

for cursor\_lob in (select rowid r, &&lob\_column from &table\_owner.&table\_with\_lob) loop

begin

num := dbms\_lob.instr (cursor\_lob.&&lob\_column, hextoraw ('889911')) ;

exception

when error\_1578 then

insert into corrupted\_lob\_data values (cursor\_lob.r);

commit;

end;

end loop;

end;

/

SQL> select \* from  corrupted\_lob\_data;

CORRUPTED\_ROWID

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AAAMpeAAGAAAD2AAAC

AAAMpeAATAAAERaAAA

AAAMpeAATAAAEXyAAB

AAAMpeAAGAAAEDgAAB

AAAMpeAATAAACn0AAA

AAAMpeAAUAAAFtiAAC

AAAMpeAATAAAEG8AAB

AAAMpeAAGAAAE5gAAB

AAAMpeAAGAAAEoAAAD

9 rows selected.

select  FINGERLHHCPR from afis.NORMALTP\_TPCARDINFO where rowid in ('AAAMpeAAGAAAE5gAAB');

检查出blob显示 err value。

5、清除坏块数据

update afis.NORMALTP\_TPCARDINFO set    TPLAINLZCPR = empty\_blob() where  rowid in ('AAAMpeAAUAAAFtiAAC');

update afis.NORMALTP\_TPCARDINFO set    FINGERLHXCPR = empty\_blob() where  rowid in ('AAAMpeAATAAAEG8AAB');

update afis.NORMALTP\_TPCARDINFO set    FINGERLHHCPR = empty\_blob() where  rowid in ('AAAMpeAAGAAAE5gAAB');

update afis.NORMALTP\_TPCARDINFO set    FINGERRHMBIN = empty\_blob() where  rowid in ('AAAMpeAAGAAAEoAAAD');

6、

执行move操作

alter table afis.NORMALTP\_TPCARDINFO  move lob (TPLAINLSCPR,FINGERLHXCPR,FINGERLHHCPR,FACENOSERCPR,TPLAINLZCPR,FINGERRHXCPR,FINGERRHZCPR,FINGERRHSCPR,FINGERRHMBIN) store as (tablespace AAAAAAAAAAA);