

知 CB备份Oracle数据库失败,错误代码ORA-19501,ORA-15081

存储软件 王海伦 2023-04-25 发表

组网及说明

CB1107 + ORACLE19c RAC

告警信息

ORA-19501: read error on file "+DATA/<SID>/DATAFILE/xxxx.21910.1104689821", block number 15
21536 (block size=8192)

ORA-15081: failed to submit an I/O operation to a disk

问题描述

客户的Oracle备份执行备份datafile 14的时候发生错误,同时报ORA-19501,ORA-15081 [重大] 来自: OB2BAR_SBT_CHANNEL@I9db1 "afclc2" 时间: 2022-06-28 10:04:32 正在中止与 BSM 的连接。中止代码 4。

RMAN-08031: released channel: dev_0

RMAN-00571: =====

RMAN-00569: ===== ERROR MESSAGE STACK FOLLOWS =====

RMAN-00571: =====

RMAN-03009: failure of backup command on dev_0 channel at 06/28/2022 10:04:37

ORA-27192: skgfcls: sbtclose2 returned error - failed to close file

ORA-19511: non RMAN, but media manager or vendor specific failure, error text:

Vendor specific error: OB2_EndObjectBackup() failed ERR(-2)

ORA-19501: read error on file "+DATA/<SID>/DATAFILE/xxxx.21910.1104689821", block number 15 21536 (block size=8192)

ORA-15081: failed to submit an I/O operation to a disk

过程分析

1. 针对数据库报告无法读取的文件尝试不使用CB进行读取,发现报错更加明确.新的错误是ORA-19602,不能在非归档模式的情况下进行复制该文件

```
RMAN> copy datafile 14 to '/tmp/d14';
Starting backup at 01-JUL-22
using target database control file instead of recovery catalog
allocated channel: ORA_DISK_1
channel ORA_DISK_1: SID=1639 instance=afcl2 device type=DISK
channel ORA_DISK_1: starting datafile copy
RMAN-00571: =====
RMAN-00569: ----- ERROR MESSAGE STACK FOLLOWS -----
RMAN-00571: =====
RMAN-03009: failure of backup command on ORA_DISK_1 channel at 07/01/2022 14:42:00
ORA-19602: cannot backup or copy active file in NOARCHIVELOG mode
RMAN>
```

解决方法

方案:

1.停止数据库

```
shutdown immediate
```

2.启动到mount状态

```
startup mount
```

3.设置数据库为归档模式

```
alter database archivelog;
```

4.启动数据库为open

```
alter database open;
```

