2018年11月7日

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**￥￥ORACLE 定时清理归档日志详细过程**

2017年08月30日 10:45:10 [cedar0007](https://me.csdn.net/cedar707) 阅读数：432

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业务增长发展迅猛，归档日志增长太快，磁盘承受不了，所以准备做个定时清理归档日志的定时任务。

**1、RM方式清理归档日志**

清理归档日志，可以人为的删除已经归档好的日志文件，然后再调用rman里面RMAN> crosscheck archivelog all;来去[**数据库**](http://lib.csdn.net/base/mysql)里面删除归档记录；也可以通过ram调用delete命令来删除归档日志。

**2、使用rman清理归档日志**

                RMAN清除方式会自动清除磁盘上的归档日志文件，同时会释放控制文件中对应的归档日志的归档信息。

                可以基于不同的条件来清除归档日志，如基于SCN，基于SEQUENCE，基于TIME等方式。

                对于上述的三种方式又可以配合from, until, between .. and .. 等等子句来限定范围，方式灵活多变。

                下面的命令用于校验归档日志的有效性，列出无效的归档日志，以及以何种方式清除归档日志，列出几种常用的:

delete noprompt archivelog until time "to\_date('XXXX-XX-XX','YYYY-MM-DD')";    ---> 清理到某天日期之前的归档

                delete noprompt archivelog until time "to\_date('2016-09-14 18:00:00','YYYY-MM-DD hh24:mi:ss')";   ---> 清理到具体时分秒之前的归档日志

                cross check archivelog all;                           --->校验日志的可用性

                list expired archivelog all;                         --->列出所有失效的归档日志

                delete archivelog until sequence 16;                 --->删除log sequence为16及16之前的所有归档日志

                delete archivelog all completed before 'sysdate-7';   --->删除系统时间7天以前的归档日志，不会删除闪回区有效的归档日志

                delete archivelog all completed before 'sysdate - 1'; --->同上，1天以前的

                delete archivelog from time 'sysdate-1';             --->注意这个命令，删除系统时间1天以内到现在的归档日志

                delete noprompt archivelog all completed before 'sysdate';  --->该命令清除当前所有的归档日志

                delete noprompt archivelog all completed before 'sysdate-0';  --->该命令清除当前所有的归档日志

                delete noprompt archivelog all;                              --->同上一命令

**3、实现清理一个小时前的归档日志**

执行命令：delete force archivelog all completed before 'sysdate-1/24';

验证执行过程。

（1）查看当前时间

[[**Oracle**](http://lib.csdn.net/base/oracle)@hch\_test\_121\_90 ~]$ date

Tue Oct 11 11:20:20 CST 2016

[[**oracle**](http://lib.csdn.net/base/oracle)@hch\_test\_121\_90 ~]$

（2）查看当前一个小时之前的归档日志，看到有一个o1\_mf\_1\_2822\_czrm1dj8\_.arc，如下所示：

[oracle@hch\_test\_121\_90 ~]$ ll /oracle/app/oracle/flash\_recovery\_area/POWERDES/archivelog/2016\_10\_11/ |more

total 3181880

-rw-r----- 1 oracle oinstall 41340416 Oct 11 10:19 o1\_mf\_1\_2822\_czrm1dj8\_.arc

-rw-r----- 1 oracle oinstall 40434176 Oct 11 10:20 o1\_mf\_1\_2823\_czrm49l9\_.arc

-rw-r----- 1 oracle oinstall 41180160 Oct 11 10:22 o1\_mf\_1\_2824\_czrm76nd\_.arc

-rw-r----- 1 oracle oinstall 40340480 Oct 11 10:23 o1\_mf\_1\_2825\_czrm9xos\_.arc

（3）开始执行删除命令，按计划删除这一条归档日志

RMAN> delete force archivelog all completed before 'sysdate-1/24';

using target database control file instead of recovery catalog

allocated channel: ORA\_DISK\_1

channel ORA\_DISK\_1: SID=11 device type=DISK

List of Archived Log Copies for database with db\_unique\_name POWERDES

=====================================================================

Key     Thrd Seq     S Low Time

------- ---- ------- - ---------

1396    1    2822    A 11-OCT-16

        Name: /oracle/app/oracle/flash\_recovery\_area/POWERDES/archivelog/2016\_10\_11/o1\_mf\_1\_2822\_czrm1dj8\_.arc

Do you really want to delete the above objects (enter YES or NO)? YES  # 输入删除命令

deleted archived log

archived log file name=/oracle/app/oracle/flash\_recovery\_area/POWERDES/archivelog/2016\_10\_11/o1\_mf\_1\_2822\_czrm1dj8\_.arc RECID=1396 STAMP=924949164

Deleted 1 objects

RMAN>

**4、自动化脚本定时任务实现清理一个小时前的归档日志**

**（1）自动化脚本**

[root@hch\_test\_121\_90 ~]# more archivelog\_clear.sh

#!/bin/sh

BACK\_DIR=/oracle/clear\_archlog/data

export DATE=`date +%F`

echo "      " >> $BACK\_DIR/$DATE/rman\_backup.log

echo `date '+%Y-%m-%d %H:%M:%S'` >> $BACK\_DIR/$DATE/rman\_backup.log

su - oracle -c "

mkdir -p $BACK\_DIR/$DATE

rman log=$BACK\_DIR/$DATE/rman\_backup.log target / <<EOF

# delete force archivelog all completed before 'sysdate-1/24';  # 这里执行清除归档日志，如果不想手动输入YES，则可以添加noprompt参数

delete force noprompt archivelog all completed before 'sysdate-1/24';

exit;

EOF

"

echo "   " >> $BACK\_DIR/$DATE/rman\_backup.log

[root@hch\_test\_121\_90 ~]#

**（2）crontab定时任务**

[root@hch\_test\_121\_90 ~]# crontab -l

10 \*/1 \* \* \* sh /home/oracle/archivelog\_clear.sh

[root@hch\_test\_121\_90 ~]#

**（3）查看执行后的日志**

[root@hch\_test\_121\_90 ~]# more /oracle/clear\_archlog/data/2016-10-11/rman\_backup.log

Recovery Manager: Release 11.2.0.1.0 - Production on Tue Oct 11 11:28:04 2016

Copyright (c) 1982, 2009, Oracle and/or its affiliates.  All rights reserved.

connected to target database: POWERDES (DBID=3458668465)

RMAN>

using target database control file instead of recovery catalog

allocated channel: ORA\_DISK\_1

channel ORA\_DISK\_1: SID=137 device type=DISK

List of Archived Log Copies for database with db\_unique\_name POWERDES

=====================================================================

Key     Thrd Seq     S Low Time

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1397    1    2823    A 11-OCT-16

        Name: /oracle/app/oracle/flash\_recovery\_area/POWERDES/archivelog/2016\_10\_11/o1\_mf\_1\_2823\_czrm49l9\_.arc

1398    1    2824    A 11-OCT-16

        Name: /oracle/app/oracle/flash\_recovery\_area/POWERDES/archivelog/2016\_10\_11/o1\_mf\_1\_2824\_czrm76nd\_.arc

1399    1    2825    A 11-OCT-16

        Name: /oracle/app/oracle/flash\_recovery\_area/POWERDES/archivelog/2016\_10\_11/o1\_mf\_1\_2825\_czrm9xos\_.arc

1400    1    2826    A 11-OCT-16

        Name: /oracle/app/oracle/flash\_recovery\_area/POWERDES/archivelog/2016\_10\_11/o1\_mf\_1\_2826\_czrmdqqy\_.arc

1401    1    2827    A 11-OCT-16

        Name: /oracle/app/oracle/flash\_recovery\_area/POWERDES/archivelog/2016\_10\_11/o1\_mf\_1\_2827\_czrmhksn\_.arc

Do you really want to delete the above objects (enter YES or NO)? "exit;" is an invalid response - please re-enter.

Do you really want to delete the above objects (enter YES or NO)?

Error occurred getting response - assuming NO response

RMAN>

Recovery Manager complete.

[root@hch\_test\_121\_90 ~]#

源文档 <<https://blog.csdn.net/cedar707/article/details/77709632?locationNum=9&fps=1>>