



NDMP 还原的性能非常慢

https://kb-cn-stage.netapp.com/on-prem/ontap/dp/NDMP/NDMP-KBs/Very_slow_performance_of_NDM...

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适用场景

- ONTAP 9
- 三向NDMP
- 还原
- NetWorker
- NetBackup

问题描述

PAUSED 对于从磁带读取的数据、NDMP日志会显示一个恒定状态

```
Sun Jul 25 2021 05:21:54 +02:00 [kern_ndmpd:info:5516] [36326] INFO: DATA
read at offset 1788662062080 with length 131072 Sun Jul 25 2021 05:21:55 +
02:00 [kern_ndmpd:info:5516] [36326] INFO: DATA notification state 3 (SESS
STATE: PAUSED) event 8 (EVENT: SEEK) Sun Jul 25 2021 05:21:55 +02:00 [kern_
ndmpd:info:5516] [36326] INFO: DATA read at offset 1793047803904 with length
```

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```
65536 Sun Jul 25 2021 05:21:56 +02:00 [kern_ndmpd:info:5516] [36326] INFO:
DATA notification state 3 (SESS_STATE: PAUSED) event 8 (EVENT: SEEK) Sun Jul
25 2021 05:21:56 +02:00 [kern_ndmpd:info:5516] [36326] INFO: DATA read at
offset 1793047869440 with length 131072 Sun Jul 25 2021 05:21:56 +02:00 [kern_
ndmpd:info:5516] [36326] INFO: DATA notification state 3 (SESS_STATE: PAUSED)
event 8 (EVENT: SEEK)
```

在还原期间从磁带(阶段I)获取索引节点文件信息需要很长时间：

```
rst Tue Jul 27 12:26:38 CEST 202 /svm_3/vol3_backup/ Tape_close (ndmp) rst
Tue Jul 27 12:26:38 CEST 202 /svm_3/vol3_backup/ End (250 files, 2006 MB) rst
Tue Jul 27 12:31:59 CEST 202 /svm_3/vol3_backup/ Start (Level 0, NDMP:36326)
rst Tue Jul 27 12:31:59 CEST 202 /svm_3/vol3_backup/ Options (b=0, d, y, H,
TCP recv buffer size = 33580, TCP send buffer size = 33580) rst Tue Jul 27
12:31:59 CEST 202 /svm_3/vol3_backup/ Tape_open (ndmp) rst Tue Jul 27 14:49:07
CEST 202 /svm_3/vol3_backup/ Log_msg (Total P2 threads (3)) rst Tue Jul 27
14:49:07 CEST 202 /svm_3/vol3_backup/ Log_msg (P2 thread 0: time (msec) (6),
dirs processed (0)) rst Tue Jul 27 14:49:07 CEST 202 /svm_3/vol3_backup/ Log_
msg (P2 thread 1: time (msec) (0), dirs processed (0)) rst Tue Jul 27 14:49:07
CEST 202 /svm_3/vol3_backup/ Log_msg (P2 thread 2: time (msec) (0), dirs
processed (0)) rst Tue Jul 27 14:49:07 CEST 202 /svm_3/vol3_backup/ Log_msg
(VM clrimap : wait_time (msec) (0), lookup_time (msec) (2290)) rst Tue Jul 27
14:49:07 CEST 202 /svm_3/vol3_backup/ Log_msg (VM dumpmap : wait_time (msec)
(310), lookup_time (msec) (6170)) rst Tue Jul 27 14:49:07 CEST 202 /svm_3/vol3_
backup/ Log_msg (VM inomap : wait_time (msec) (309), lookup_time (msec)
(3078748)) rst Tue Jul 27 14:49:07 CEST 202 /svm_3/vol3_backup/ Log_msg (VM
inomap : Cache hits (6983253), Cache misses (677340)) rst Tue Jul 27 14:49:07
CEST 202 /svm_3/vol3_backup/ Log_msg (VM basemap : wait_time (msec) (0),
lookup_time (msec) (0)) rst Tue Jul 27 14:49:07 CEST 202 /svm_3/vol3_backup/
Log_msg (VM filemap : wait_time (msec) (38), lookup_time (msec) (8440)) rst
Tue Jul 27 14:49:07 CEST 202 /svm_3/vol3_backup/ Log_msg (VM dirmap : wait_
time (msec) (37), lookup_time (msec) (62875)) rst Tue Jul 27 14:49:07 CEST 202
/svm_3/vol3_backup/ Log_msg (VM inotab : wait_time (msec) (25), lookup_time
(msec) (39916)) rst Tue Jul 27 14:49:07 CEST 202 /svm_3/vol3_backup/ Log_msg
(Phase 1 percent spent in reading from media: 0%) rst Tue Jul 27 14:49:07 CEST
202 /svm_3/vol3_backup/ Log_msg (Phase 1 total time (msec): 7604422) rst Tue
Jul 27 14:49:07 CEST 202 /svm_3/vol3_backup/ Log_msg (Phase 2 total time
(msec): 2237) rst Tue Jul 27 14:49:07 CEST 202 /svm_3/vol3_backup/ Log_msg
(Phase 3 percent spent in reading from media: 0%) rst Tue Jul 27 14:49:07 CEST
202 /svm_3/vol3_backup/ Log_msg (Phase 3 total time (msec): 620921
```