



NDMP tape backups fail with the error "Message from Write Dirnet: Interrupted system call."

https://kb.netapp.com/on-prem/ontap/DP/NDMP/NDMP-KBs/NDMP_tape_backups_fail_with_the_error...

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Applies to

- ONTAP 9
- NDMP
- NetVault

Issue

- NDMP Backup sometime fails.
- The following errors are logged in `backup.log`:

```
dmp Mon Jul 14 00:45:26 JST 2025 /svm/vol1 Log_msg (DIRNET send work,
```

failed to add to the queue, error=3.)

dmp Mon Jul 14 00:45:26 JST 2025 /svm/voll Log_msg (Write DIRNET for BKP ID=1445, type=3 failed with error = 4.)

dmp Mon Jul 14 00:45:26 JST 2025 /svm/voll Error (Message from Write Dirnet: Interrupted system call)

- Other errors are also occurring in the same volume.

dmp Mon Jul 28 00:52:16 JST 2025 /svm1/voll Log_msg (Write DIRNET for BKP ID=1688, type=3 interrupted while at waiting for max inflight. Error = Broken pipe.)

dmp Mon Jul 28 00:52:16 JST 2025 /svm1/voll Error (Write to socket failed)

dmp Mon Jul 28 00:52:16 JST 2025 /svm1/voll Tape_close (ndmp)

dmp Mon Jul 28 00:52:16 JST 2025 /svm1/voll Log_msg (Flush DIRNET called on error = -1.)

dmp Mon Jul 28 00:52:16 JST 2025 /svm1/voll Log_msg (Flush DIRNET for BKP ID=1688, type=3 interrupted while waiting for min inflight. Error = Broken pipe.)

dmp Mon Jul 28 00:52:16 JST 2025 /svm1/voll Log_msg (Flush DIRNET for BKP ID=1688, type=3 interrupted while waiting for min inflight. Error = Broken pipe.)

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ID=1688, type=3 interrupted while waiting for min inflight. Error = Broken
pipe.)
dmp Mon Jul 28 00:52:17 JST 2025 /svm1/vol1 Abort (286953 MB, 3037 secs,
94 MBps)
dmp Mon Jul 28 00:52:17 JST 2025 /svm1/vol1 Error (DUMP IS ABORTED)

```

- In the `ndmpd.log`, after the start backup request is processed and the state changes to `DATA` notification state 4 (`SESS_STATE: ACTIVE`), the session is abruptly aborted.

```

Mon Jul 14 2025 00:01:45 +09:00 [kern_ndmpd:info:7257] [67257] INFO:
DATA notification state 1 (SESS_STATE: LISTENING) event 10 (EVENT: STATE
CHANGE)
Mon Jul 14 2025 00:01:45 +09:00 [kern_ndmpd:info:7257] [67257] INFO:
DATA notification state 4 (SESS_STATE: ACTIVE) event 10 (EVENT: STATE
CHANGE)
Mon Jul 14 2025 00:45:28 +09:00 [kern_ndmpd:info:7257] [67257] INFO:
DATA notification state 5 (SESS_STATE: HALTING) event 2 (EVENT: ABORTED)
Mon Jul 14 2025 00:45:28 +09:00 [kern_ndmpd:info:7257] [67257] ERROR:
DATA: Operation terminated: EVENT: ABORTED (for svm1/vol1)

Mon Jul 28 2025 00:01:39 +09:00 [kern_ndmpd:info:7257] [35562] INFO:
DATA notification state 1 (SESS_STATE: LISTENING) event 10 (EVENT: STATE
CHANGE)

```

```
Mon Jul 28 2025 00:01:39 +09:00 [kern_ndmpd:info:7257] [35562] INFO:
DATA notification state 4 (SESS_STATE: ACTIVE) event 10 (EVENT: STATE
CHANGE)
```

```
Mon Jul 28 2025 00:52:19 +09:00 [kern_ndmpd:info:7257] [35562] INFO:
DATA notification state 5 (SESS_STATE: HALTING) event 9 (EVENT: INTERNAL
ERROR)
```

```
Mon Jul 28 2025 00:52:19 +09:00 [kern_ndmpd:info:7257] [35562] ERROR:
DATA: Operation terminated: EVENT: INTERNAL ERROR (for /svm1/vol1)
```

- In the `sktrace.log`, the following errors are recorded

```
NDMPD_LOG bkp_dirnet_rcv_upcall:DIRNET rcv upcall got socket error with
ID=2004 error=32.
```

```
NDMPD_LOG bkp_abort_dirnet:In abort dirnet with mpq socket error [0x20]
```