

FreeNAS - Bug #38545

Avoid further CAM retries when drive asks for a recovery action which fails

07/17/2018 06:59 AM - Alexander Motin

Status:	Done	
Priority:	No priority	
Assignee:	Alexander Motin	
Category:	Hardware	
Target version:	11.2-BETA2	
Seen in:	11.2-BETA1	Needs Merging: No
Severity:	Low Medium	Needs Automation: No
Reason for Closing:		Support Suite Ticket: n/a
Reason for Blocked:		Hardware Configuration:
Needs QA:	No	ChangeLog Required: No
Needs Doc:	No	

Description

While original error in this example does not imply retries, due to use of recovery actions ones are happening, taking additional time:

```
(da0:mpr0:0:25:0): MODE SENSE(6). CDB: 1a 00 3f 00 c0 00
(da0:mpr0:0:25:0): SERVICE ACTION IN(16). CDB: 9e 10 00 00 00 00 00 00 00 00 00 00 00 20 00 00
(da0:mpr0:0:25:0): SERVICE ACTION IN(16). CDB: 9e 10 00 00 00 00 00 00 00 00 00 00 00 20 00 00
(da0:mpr0:0:25:0): CAM status: SCSI Status Error
(da0:mpr0:0:25:0): SCSI status: Check Condition
(da0:mpr0:0:25:0): SCSI sense: NOT READY asc:4,2 (Logical unit not ready, initializing command req
uired)
(da0:mpr0:0:25:0): Field Replaceable Unit: 0
(da0:mpr0:0:25:0): Descriptor 0x80: f5 03
(da0:mpr0:0:25:0): Attempting to start unit
(da0:mpr0:0:25:0): START STOP UNIT. CDB: 1b 00 00 00 01 00
(da0:mpr0:0:25:0): START STOP UNIT. CDB: 1b 00 00 00 01 00
(da0:mpr0:0:25:0): CAM status: SCSI Status Error
(da0:mpr0:0:25:0): SCSI status: Check Condition
(da0:mpr0:0:25:0): SCSI sense: HARDWARE FAILURE asc:44,0 (Internal target failure)
(da0:mpr0:0:25:0): Field Replaceable Unit: 0
(da0:mpr0:0:25:0): Descriptor 0x80: f4 94
(da0:mpr0:0:25:0): Error 5, Unretryable error
(da0:mpr0:0:25:0): SERVICE ACTION IN(16). CDB: 9e 10 00 00 00 00 00 00 00 00 00 00 00 20 00 00
(da0:mpr0:0:25:0): SERVICE ACTION IN(16). CDB: 9e 10 00 00 00 00 00 00 00 00 00 00 00 20 00 00
(da0:mpr0:0:25:0): CAM status: SCSI Status Error
(da0:mpr0:0:25:0): SCSI status: Check Condition
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(da0:mpr0:0:25:0): Field Replaceable Unit: 0
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```

```
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(da0:mpr0:0:25:0): SCSI status: Check Condition
(da0:mpr0:0:25:0): SCSI sense: NOT READY asc:4,2 (Logical unit not ready, initializing command required)
(da0:mpr0:0:25:0): Field Replaceable Unit: 0
(da0:mpr0:0:25:0): Descriptor 0x80: f5 03
(da0:mpr0:0:25:0): Attempting to start unit
```

History

#1 - 07/17/2018 06:59 AM - Alexander Motin

- Status changed from *Unscreened* to *Screened*

#2 - 07/21/2018 03:02 PM - Alexander Motin

- Status changed from *Screened* to *Ready for Testing*

- Target version changed from *Backlog* to *11.2-BETA2*

- Needs Doc changed from *Yes* to *No*

- Needs Merging changed from *Yes* to *No*

Commit 8a91181bc2f7 should reduce time of device open for writing from ~12 seconds to ~3. Testing requires the damaged disks, so I'll test it when image with this patch get built.

#3 - 07/23/2018 07:50 AM - Alexander Motin

Thinking again, if somebody wish to test this on real M- and Z-series -- please pass by me to get the disks and some guides.

#4 - 07/23/2018 08:38 AM - Dru Lavigne

- Subject changed from *Avoid further CAM retries when drive asks recovery action, but it fails hard.* to *Avoid further CAM retries when drive asks for a recovery action which fails*

Commit: <https://github.com/freenas/os/commit/8a91181bc2f741c149458cad719497fcc8a5df5a>

#5 - 07/27/2018 11:14 AM - Paul Walker

- Status changed from *Ready for Testing* to *Passed Testing*

- Needs QA changed from *Yes* to *No*

This is working as expected now.

#6 - 07/27/2018 11:16 AM - Dru Lavigne

- Status changed from *Passed Testing* to *Done*