

FreeNAS - Bug #13040

LSI 3008 controller firmware warning and disappeared HDD

01/07/2016 08:20 AM - Viktor Stroh

Status:	Closed: Not To Be Fixed	
Priority:	Important	
Assignee:	Josh Paetzel	
Category:	OS	
Target version:	N/A	
Seen in:	9.3.1-STABLE-201512121950	Needs Merging: Yes
Severity:	New	Needs Automation: No
Reason for Closing:		Support Suite Ticket: n/a
Reason for Blocked:		Hardware Configuration:
Needs QA:	Yes	ChangeLog Required: No
Needs Doc:	Yes	

Description

3 months ago with a new Freenas 9.3 version I got the message "Firmware version 3 does not match driver version 9 for /dev/mpr0. Please flash controller to P9 IT firmware." I have patched the controller to version 8, because it was the highest at that time. I've the Supermicro AOC-S3008L-L8E. Thereafter, the message remains, but one hard drive disappeared from the system. From 12 hard drives now only 11 are recognized. Apparently the first slot0 is covered by the sas2 expander SAS2X28. Under Debian or CentOS I get access to all 12 disks.

This site describes a possible solution - <http://lists.freebsd.org/pipermail/freebsd-scsi/2014-December/006545.html>. The workaround is to configure the HBA to use Device Persistence mapping. Unfortunately, I can not start lsiutil with FreeNAS. With Linux and EFI lsiutil does not find any controller. lsiutil is apparently no longer supported by SAS3008.

Now I found the latest firmware version 10, but the problems have remained. I get the same message "Firmware version 10 does not match driver version 9 for /dev/mpr0. Please flash controller to P9 IT firmware." This seems to be a bug.

Is there also a way to get all 12 disks?

History

#1 - 01/07/2016 08:44 AM - Jordan Hubbard

- Assignee set to Josh Paetzel

#2 - 01/07/2016 01:30 PM - Jordan Hubbard

- Status changed from Unscreened to Screened

BRB: Please attach the output of save-debug. Thanks.

#3 - 01/19/2016 08:16 AM - Josh Paetzel

- Status changed from Screened to 15

- Priority changed from No priority to Important

- Target version set to Unspecified

Ping.

#4 - 01/28/2016 05:53 AM - Viktor Stroh

- File debug_info.tar.gz added

Jordan Hubbard wrote:

BRB: Please attach the output of save-debug. Thanks.

Sorry that I answer so late. I waited for the original LSI 9300-8i controller. Now I have replaced the LSI OEM AOC-S3008L-L8E with the original LSI 8300-8i controller and installed the version 9 firmware. I get now: "The system has no alerts", but the system also detects only 11 hard drives. I'll add the output of Dump GEOM configuration, Dump Hardware Configuration and Dump System Information (/usr/local/bin/freenas-debug) Will it be enough?

#5 - 04/02/2016 10:55 PM - Jordan Hubbard

- Status changed from 15 to Closed: Not To Be Fixed

#6 - 07/19/2017 09:01 AM - Kris Moore

- Target version changed from Unspecified to N/A

#7 - 12/13/2017 06:34 AM - Dru Lavigne

- File deleted (debug_info.tar.gz)

#8 - 12/13/2017 06:34 AM - Dru Lavigne

- File deleted (sas3ircu.txt)