

FreeNAS - Bug #27860

Display proper error message when mirroring boot device fails due to target device size being too small

01/18/2018 07:15 AM - Warren Block

Status: Done	
Priority: Important	
Assignee: Vladimir Vinogradenko	
Category: Middleware	
Target version: 11.1-U2	
Seen in: 11.1	Needs Merging: No
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: No	
Description	
Mirroring a boot device can fail due to there not being enough space on the new device. This results in a middleware error that tells the user nothing helpful.	
The process should be:	
Get size of existing freebsd-zfs partition on old boot device in blocks.	
Add that to size of EFI partition that must be created (ignore the old EFI partition, it might be smaller).	
If new device does not have enough free space to fit GPT table plus new EFI partition plus old freebsd-zfs partition, tell the user:	
The device called "XYZ USB Flash Drive" (xx GB, xyz blocks) does not have enough space to mirror the old device "ABC USB Flash Drive". Please use a larger device.	
(Drive name and size from camcontrol or diskinfo.)	
Related issues:	
Related to FreeNAS - Bug #27749: Traceback when trying to mirror boot device	Closed 01/10/2018
Related to FreeNAS - Bug #28216: Adding disk to mirror boot device fails with...	Closed 02/06/2018
Related to FreeNAS - Bug #28432: Unable to switch boot volume from striped to...	Closed 02/11/2018
Related to FreeNAS - Bug #29086: Display more information when mirroring boot...	Done

Associated revisions

Revision 390cb1b9 - 02/06/2018 02:02 AM - Vladimir Vinogradenko

fix(boot): Display proper error message when mirroring boot device fails due to target device size being too small

Ticket: #27860

Revision 9fbfc359 - 02/06/2018 02:04 AM - Vladimir Vinogradenko

fix(boot): Display proper error message when mirroring boot device fails due to target device size being too small

Ticket: #27860

Revision d63ef46f - 02/07/2018 09:17 AM - Vladimir Vinogradenko

fix(boot): Display proper error message when mirroring boot device fails due to target device size being too small

History

#1 - 01/18/2018 07:16 AM - Warren Block

- Related to Bug #27749: Traceback when trying to mirror boot device added

#2 - 01/18/2018 09:03 AM - Dru Lavigne

- Status changed from Untriaged to Unscreened

#3 - 01/24/2018 05:47 AM - Dru Lavigne

- Status changed from Unscreened to Not Started

#4 - 01/26/2018 06:18 AM - Ben Gadd

- Due date set to 02/12/2018

Due date updated to reflect the code freeze for 11.1U2.

#5 - 01/26/2018 09:38 AM - Ben Gadd

- Severity set to New

#6 - 02/06/2018 02:04 AM - Vladimir Vinogradenko

- Status changed from Not Started to Done

#7 - 02/06/2018 07:45 AM - Warren Block

- Related to Bug #28216: Adding disk to mirror boot device fails without useful information if new disk is too small added

#8 - 02/07/2018 09:17 AM - William Grzybowski

<https://github.com/freenas/freenas/pull/788>

#9 - 02/07/2018 12:42 PM - Dru Lavigne

- Subject changed from Mirroring boot device fails without clear message to Display proper error message when mirroring boot device fails due to target device size being too small

- Needs Merging changed from Yes to No

#10 - 02/07/2018 12:43 PM - Dru Lavigne

- Needs Doc changed from Yes to No

#11 - 02/12/2018 03:13 AM - William Grzybowski

- Related to Bug #28432: Unable to switch boot volume from striped to mirrored added

#12 - 03/05/2018 07:22 AM - Warren Block

- Related to Bug #29086: Display more information when mirroring boot device fails due to target device size being too small added