

FreeNAS - Bug #29277

Wait for zfs.pool.extend to complete so we can propagate errors when adding a mirrored USB drive

03/08/2018 05:38 AM - Jeff Mueller

Status: Done	
Priority: No priority	
Assignee: Vladimir Vinogradenko	
Category: Middleware	
Target version: 11.2-BETA1	
Seen in: 11.1-U4	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	
I plugged in a second USB drive and followed the guide to Attach it to my existing boot device (Stripe) to make it a mirror. After a few seconds, it shows a "success" message at the top, but there is no change to my boot device.	
This seems to be related to this bug, but I am following the recommendation to create a new bug with debug info attached.	
https://redmine.ixsystems.com/issues/27834	
Related issues:	
Related to FreeNAS - Bug #27834: Fix the attachment of boot mirror devices	Done 01/16/2018 02/12/2018
Has duplicate FreeNAS - Bug #32445: Boot Drive	Closed 04/18/2018
Has duplicate FreeNAS - Bug #40424: USB boot drive issues	Closed
Has duplicate FreeNAS - Bug #47884: replacing a failed USB device, member of ...	Closed

Associated revisions

Revision 439eb586 - 03/26/2018 06:41 AM - Vladimir Vinogradenko

fix(boot): Wait for zfs.pool.extend to complete so we can propagate errors from it (if any)

Ticket: #29277

Revision 46aa959f - 03/26/2018 06:43 AM - Vladimir Vinogradenko

fix(zfs): Fix error message being meaningless

Ticket: #29277

Revision 4112badf - 03/26/2018 11:26 AM - Vladimir Vinogradenko

fix(boot): Wait for zfs.pool.extend to complete so we can propagate errors from it (if any)

Ticket: #29277

Revision 1ad942c5 - 03/26/2018 11:26 AM - Vladimir Vinogradenko

fix(zfs): Fix error message being meaningless

Ticket: #29277

Revision 837e062c - 03/26/2018 11:56 PM - Vladimir Vinogradenko

fix(middleware): Fix exception reraise in job.wrap()

Ticket: #29277

Revision c17eb7b7 - 03/26/2018 11:57 PM - Vladimir Vinogradenko

fix(boot.attach): Wait for zfs.pool.extend to complete so we can propagate errors from it (if any)

Ticket: #29277

Revision 802727d0 - 03/26/2018 11:58 PM - Vladimir Vinogradenko

fix(zfs): Fix error message being meaningless

Ticket: #29277

Revision 747c5249 - 03/27/2018 12:07 AM - Vladimir Vinogradenko

fix(boot.attach): Use freenas-boot pool disk guid instead of trying to guess its path

Ticket: #29277

History

#1 - 03/08/2018 05:40 AM - Jeff Mueller

- File *debug-sabin-20180308134011.txz* added
- Private changed from No to Yes

#2 - 03/08/2018 06:27 AM - Dru Lavigne

- Related to Bug #27834: Fix the attachment of boot mirror devices added

#3 - 03/08/2018 06:30 AM - Dru Lavigne

- Category changed from OS to Middleware
- Assignee changed from Release Council to Vladimir Vinogradenko
- Target version set to 11.2-RC2

#4 - 03/21/2018 04:17 AM - Vladimir Vinogradenko

- Status changed from Unscreened to Blocked
- Reason for Blocked set to Waiting for feedback

The only boot.attach call I see in the logs happened on 2018/02/11, it was before 11.1-U2 was released. Have you tried attaching your drive since then? Can you please try it once more and upload debug logs then?

#5 - 03/22/2018 07:49 AM - Jeff Mueller

- File *fndebug.zip* added

Tried again, same result. Debug is attached (sudo /usr/local/bin/freenas-debug -A)

#6 - 03/22/2018 08:19 AM - Dru Lavigne

- Status changed from Blocked to Not Started
- Reason for Blocked deleted (Waiting for feedback)

#7 - 03/23/2018 07:57 AM - Vladimir Vinogradenko

- Status changed from Not Started to Blocked
- Reason for Blocked set to Waiting for feedback

Jeff, sorry, that's not exactly what I need. This is your system info, I need logs. You get save them using System -> Advanced -> Save Debug

#8 - 03/23/2018 08:08 AM - Jeff Mueller

- File debug-sabin-20180323110811.tgz added

Gotcha, thanks. Should be there now.

#9 - 03/23/2018 08:13 AM - Vladimir Vinogradenko

Jeff, have you tried attaching your USB drive before getting this logs? Most recent boot.attach I see in the logs happened on 2018/02/11

#10 - 03/23/2018 08:44 AM - Jeff Mueller

- File attach-success.png added
- File debug-sabin-20180323114355.tgz added

Yes, maybe this is part of the problem? I just tried it again at 11:41 AM EST. I will upload the resulting screenshot and another debug for you.

#11 - 03/23/2018 09:23 AM - Dru Lavigne

- Status changed from Blocked to Not Started
- Reason for Blocked deleted (Waiting for feedback)

#12 - 03/23/2018 09:30 AM - Vladimir Vinogradenko

- Status changed from Not Started to Blocked
- Reason for Blocked set to Waiting for feedback

Jeff, I am out of ideas. There is an update pending on your system, can you please reboot to apply it and check if problem persists?

#13 - 03/24/2018 07:19 AM - Jeff Mueller

- File deleted (fndebug.zip)

#14 - 03/24/2018 08:44 AM - Jeff Mueller

- File debug-sabin-20180324114255.tgz added
- Seen in changed from 11.1-U2 to 11.1-U4

Hi,

I am now on 11.1-U4 with no change to the issue. I just tried again with the same result. Is there any log I can look at? Any command-line commands I can try? Uploading another debug.

#15 - 03/24/2018 08:51 AM - Dru Lavigne

- Status changed from Blocked to Not Started
- Reason for Blocked deleted (Waiting for feedback)

#16 - 03/27/2018 12:38 AM - Vladimir Vinogradenko

- Status changed from Not Started to Blocked
- Reason for Blocked set to Waiting for feedback

Jeff, thank you for your help with this, this bug will be resolved in 11.2

Meanwhile you can try running `zpool attach freenas-boot gptid/6bc5cedd-6627-11e5-a5a5-d050995b1314 da1p2` and your USB drive should be attached to boot pool successfully.

Please post output of this command here so we can be sure that this was the only obstacle left.

#17 - 03/27/2018 06:04 AM - Jeff Mueller

- File *online.PNG* added
- File *alert.PNG* added
- File *debug-sabin-20180327090213.tgz* added

Thanks, I think that worked, although the GUI does not show "Resilvering", it already says both disks are "ONLINE". I also got a red CRITICAL error for the resilver happening. Here is the command output, and see attached for screenshots etc. Do I need to do something with "gpart" as the command output says?

```
root@sabin:~ # zpool attach freenas-boot gptid/6bc5cedd-6627-11e5-a5a5-d050995b1314 da1p2
Make sure to wait until resilver is done before rebooting.
```

```
If you boot from pool 'freenas-boot', you may need to update
boot code on newly attached disk 'da1p2'.
```

Assuming you use GPT partitioning and 'da0' is your new boot disk you may use the following command:

```
gpart bootcode -b /boot/pmbr -p /boot/gptzfsboot -i 1 da0
```

```
root@sabin:~ # zpool status freenas-boot
 pool: freenas-boot
state: ONLINE
status: One or more devices is currently being resilvered. The pool will
continue to function, possibly in a degraded state.
action: Wait for the resilver to complete.
 scan: resilver in progress since Tue Mar 27 08:51:37 2018
11.3G scanned at 263M/s, 58.2M issued at 1.32M/s, 11.3G total
49.5M resilvered, 0.50% done, no estimated completion time
config:
```

NAME	STATE	READ	WRITE	CKSUM
freenas-boot	ONLINE	0	0	0
mirror-0	ONLINE	0	0	0
gptid/6bc5cedd-6627-11e5-a5a5-d050995b1314	ONLINE	0	0	0
da1p2	ONLINE	0	0	0 (resilvering)

```
errors: No known data errors
root@sabin:~ #
```

#18 - 03/27/2018 11:37 PM - Vladimir Vinogradenko

- Status changed from Blocked to Done

#19 - 03/27/2018 11:56 PM - Vladimir Vinogradenko

Do I need to do something with "gpart" as the command output says?

No, this was already done by FreeNAS before. zpool attach was the only thing left. Thank you again for your reports.

#20 - 03/28/2018 03:50 AM - Dru Lavigne

- File deleted (debug-sabin-20180308134011.tgz)

#21 - 03/28/2018 03:50 AM - Dru Lavigne

- File deleted (debug-sabin-20180323110811.tgz)

#22 - 03/28/2018 03:50 AM - Dru Lavigne

- File deleted (debug-sabin-20180323114355.tgz)

#23 - 03/28/2018 03:51 AM - Dru Lavigne

- File deleted (debug-sabin-20180324114255.tgz)

#24 - 03/28/2018 03:51 AM - Dru Lavigne

- File deleted (debug-sabin-20180327090213.tgz)

#25 - 03/28/2018 03:51 AM - Dru Lavigne

- Status changed from Done to Closed

- Target version changed from 11.2-RC2 to N/A

- Private changed from Yes to No

- Reason for Closing set to Duplicate

- Reason for Blocked deleted (Waiting for feedback)

#26 - 04/19/2018 06:17 AM - Vladimir Vinogradenko

- Has duplicate Bug #32445: Boot Drive added

#27 - 08/09/2018 12:02 PM - William Grzybowski

- Status changed from Closed to Done

- Severity set to New

#28 - 08/09/2018 12:04 PM - William Grzybowski

- Has duplicate Bug #40424: USB boot drive issues added

#29 - 08/09/2018 01:40 PM - Dru Lavigne

- Target version changed from N/A to 11.2-BETA1

- Reason for Closing deleted (Duplicate)

#30 - 08/09/2018 01:42 PM - Dru Lavigne

- Subject changed from Boot device - adding mirrored USB drive shows success message in web UI, but does nothing to Wait for zfs.pool.extend to complete so we can propagate errors when adding a mirrored USB drive

#31 - 08/09/2018 01:46 PM - Dru Lavigne

- Needs Doc changed from Yes to No

- Needs Merging changed from Yes to No

Master PR: <https://github.com/freenas/freenas/pull/1020>

#33 - 09/24/2018 07:15 AM - William Grzybowski

- Has duplicate Bug #47884: replacing a failed USB device, member of freenas-boot, does not work from the GUI added

Files

attach-success.png	52.4 KB	03/23/2018	Jeff Mueller
alert.PNG	12.5 KB	03/27/2018	Jeff Mueller
online.PNG	26.2 KB	03/27/2018	Jeff Mueller