

## FreeNAS - Bug #20819

### Possible Errors with Grub?? Compression algorithm 104 not supported

02/02/2017 10:11 AM - Larry Rosenman

<b>Status:</b> Closed: Third party to resolve	
<b>Priority:</b> No priority	
<b>Assignee:</b> Sean Fagan	
<b>Category:</b> Middleware	
<b>Target version:</b> N/A	
<b>Seen in:</b> 9.10.2-U1	<b>Needs Merging:</b> Yes
<b>Severity:</b>	<b>Needs Automation:</b> No
<b>Reason for Closing:</b>	<b>Support Suite Ticket:</b> n/a
<b>Reason for Blocked:</b>	<b>Hardware Configuration:</b> Dell T310
<b>Needs QA:</b> Yes	<b>ChangeLog Required:</b> No
<b>Needs Doc:</b> Yes	
<b>Description</b> <a href="https://forums.freenas.org/index.php?threads/possible-errors-with-grub-compression-algorithm-104-not-supported.49887/#post-345507">https://forums.freenas.org/index.php?threads/possible-errors-with-grub-compression-algorithm-104-not-supported.49887/#post-345507</a>  Hi  Re: FreeNAS 9.10.2-U1.iso  I have recently installed the latest version of FreeNAS on to a 8GB USB drive for my NAS.  The installation appears to install OK, however when booting from the USB, I receive the following messages: (see attached)  GRUB Loading Welcome to GRUB!  4x error: compression algorithm 104 not supported 2x error: unknown device 264865096 4x error: compression algorithm 104 not supported 1x error: unknown device 264865096  Grub seems to then load fine and I receive the console setup screen as normal.  see the referenced thread for more info.	
<b>Related issues:</b> Related to FreeNAS - Bug #23275: Compression algorithm error messages shown b... <b>Closed: Duplicate</b> 02/11/2017	

#### History

##### #1 - 02/02/2017 10:11 AM - Larry Rosenman

- Seen in changed from 9.10.2-U2 to 9.10.2-U1

##### #2 - 02/02/2017 10:22 AM - Bonnie Follweiler

- Subject changed from Home Forums > FreeNAS Forum > Help & Support > Installation and Updates > Possible Errors with Grub?? Compression algorithm 104 not supported to Possible Errors with Grub?? Compression algorithm 104 not supported

- Assignee set to Sean Fagan

##### #3 - 02/02/2017 10:23 AM - Bonnie Follweiler

Would you be able to provide a debug from System -> Advanced -> Save Debug. It could be helpful.

**#4 - 02/02/2017 10:25 AM - Larry Rosenman**

Bonnie Follweiler wrote:

Would you be able to provide a debug from System -> Advanced -> Save Debug. It could be helpful.

while it is booted or from where in the process?

**#5 - 02/02/2017 10:26 AM - Sean Fagan**

- Assignee changed from Sean Fagan to Kris Moore

I've seen multiple reports of this on the fora, but I haven't seen it in life.

Kris, comments? I do wonder if it's due to flash going bad.

**#6 - 02/02/2017 10:27 AM - Larry Rosenman**

Sean Fagan wrote:

I've seen multiple reports of this on the fora, but I haven't seen it in life.

Kris, comments? I do wonder if it's due to flash going bad.

In my case, brand new flash.....

**#7 - 02/02/2017 10:44 AM - Larry Rosenman**

- File *debug-freenas-20170202124007.tgz* added

debug attached...

Hostname freenas.local  
Edit

Build FreeNAS-9.10.2-U1 (86c7ef5)  
Platform Intel(R) Xeon(R) CPU E5645 @ 2.40GHz  
Memory 49113MB  
System Time Thu Feb 02 12:41:15 CST 2017  
Uptime 12:41PM up 1 day, 14:53, 0 users  
Load Average 0.20, 0.14, 0.06

**#8 - 02/02/2017 11:05 AM - Kris Moore**

- Status changed from Unscreened to Closed: Third party to resolve
- Assignee changed from Kris Moore to Sean Fagan

I've seen this at random other machines. It's always seemed "cosmetic" and I believe it comes down to grub trying to sample other disks incorrectly for boot data. I think its probably a bad idea to silence the warnings for now (in case we do find a system that wont boot with this error). I'm going to close it as a GRUB issue to resolve upstream fo rnow.

**#9 - 02/02/2017 11:09 AM - Larry Rosenman**

ok -- So, it just delays the boot?

What can I provide before I make this system production to help the grub folks?

**#10 - 02/02/2017 01:12 PM - Kris Moore**

Are you seeing any major delay before the GRUB menu loads? When I've run across this before it made no noticeable difference in speed that I could tell.

But I would start by attaching your /boot/grub/grub.cfg here if possible and that should be what the grub folks would ask for as well.

**#11 - 02/03/2017 07:52 AM - Larry Rosenman**

- File grub.cfg added

grub.cfg attached.

**#12 - 02/03/2017 07:53 AM - Larry Rosenman**

Kris Moore wrote:

Are you seeing any major delay before the GRUB menu loads? When I've run across this before it made no noticeable difference in speed that I could tell.

But I would start by attaching your /boot/grub/grub.cfg here if possible and that should be what the grub folks would ask for as well.

I'll have to watch it again tonight for the delay. I've attached the grub.cfg here above

**#13 - 02/03/2017 06:17 PM - Larry Rosenman**

Larry Rosenman wrote:

Kris Moore wrote:

Are you seeing any major delay before the GRUB menu loads? When I've run across this before it made no noticeable difference in speed that I could tell.

But I would start by attaching your /boot/grub/grub.cfg here if possible and that should be what the grub folks would ask for as well.

I'll have to watch it again tonight for the delay. I've attached the grub.cfg here above

takes about 5-7 MINUTES to get into a FreeBSD Kernel. NOT HAPPY.

**#14 - 02/04/2017 11:21 AM - Kris Moore**

That is quite long. Your grub.cfg looks entirely normal though. Do you have any extra storage attached not apart of the boot or primary zpool? Would you be willing to test boot with the boot pool devices detached? I need to determine if it's boot disk corruption or issues reading the wrong disks.

**#15 - 02/04/2017 03:09 PM - Larry Rosenman**

Nothing attached storage wise. I've started copying data to the 10x3T array I guess I could detach the mSATA->Sata adapter. This DID work quickly for the first boots.

(all the HW details are linked in the forum post).

Would what you want to do put my data at risk?

**#16 - 02/04/2017 05:02 PM - Larry Rosenman**

interestingly, I moved the system dataset to the boot pool (it's a mirrored set of mSATA 64GB drives), and the delay is gone. I just get one compression 104 whine.

**#17 - 02/11/2017 02:20 AM - Rolf van Trigt**

- *Hardware Configuration updated*

At the moment i have the same issue. 4 times the error that the compression algorithm 104 is not supported. It only does not boot at all. Its stuck at this screen.

Some background:

Had is working server, but the USB stick had hardware issues. So the nginx did not start anymore correctly. My guess was a bad USB stick. FreeNAS was a very old versions. I don't know exactly the version.

Got a new USB stick, put it in server, unplugged al 5 SATA harddisks.

Installed latest ISO from FreeNAS without any issues.

booted without any issues.

Pluggedin all SATA harddisks again.

Server did not boot at all. It stayed on GRUB

Changed within BIOS the USB mode from Floppy to Harddisk.

And now GRUB stays with the Compression algorithm 104 not supported message and does not boot.

**#18 - 04/18/2017 09:12 AM - Warren Block**

- Related to Bug #23275: Compression algorithm error messages shown before grub boot menu added

**#19 - 05/22/2017 06:35 AM - Ken Perchuk**

I'm getting the same error as Rolf Van Trigt. (4 x error compression algorithm 104 not supported and the system just hangs) Is there any solution yet or do I need to reinstall?

**#20 - 12/02/2017 10:39 AM - Dru Lavigne**

- File deleted (debug-freenas-20170202124007.tgz)

**#21 - 12/02/2017 10:39 AM - Dru Lavigne**

- Target version set to N/A

**#22 - 02/14/2018 06:20 PM - T F**

Hi all. I'm not sure if this is related, but I saw some similar errors on a test FreeNAS system that had been upgraded from 9.10.2-U1 -> 11.1-U1 running on an Intel NUC with an Internal mSATA SSD boot drive & an external USB data drive for. In my case the messages looked like this:

```
error: compression algorithm 95 not supported
error: compression algorithm 95 not supported
error: compression algorithm 95 not supported
error: compression algorithm 95 not supported
error: compression algorithm 16 not supported
error: compression algorithm 16 not supported
error: compression algorithm 95 not supported
error: compression algorithm 95 not supported
error: compression algorithm 95 not supported
error: compression algorithm 95 not supported
error: compression algorithm 16 not supported
error: compression algorithm 16 not supported
```

I rebooted once to see if it was transient and the errors were displayed again (can't be 100% certain they were all the same as I only managed to get a picture the second time around, but I'm pretty sure I saw the 95 lines again). However, subsequent reboots have been quiet, with no mention of these errors.

**Files**

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grub.cfg	12.5 KB	02/03/2017	Larry Rosenman
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