

[Skip to main content](#)

r/unRAID



Search in r/unRAID

[Log In](#)

r/unRAID • 3 yr. ago

ikomhoog



How do I get rid of the "BTRFS error (device sde1): block=84020346880 write time tree block corruption detected" errors? they come back after about a week.

[Help](#)

I have 2 Samsung 860 500GB SSDs set up as mirrored cache pool.

This has been running fine for about 9 months, however since a few weeks ago I got this error:

Unraid BTRFS error (device sde1): block=84020346880 write time tree block corruption detected

At the same time, my cache pool would just not be usable, and the logs flood.

After a restart of my system, everything is fine again.

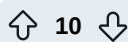
a scrub also shows no errors, btrfs check --readonly also shows no errors

I have also tried reformatting the pool, but that also didn't seem to help.

What can I still check/do to get rid of these errors?

I will replace the SATA cables this afternoon, but wouldn't that also show itself in different manners?

Like high error counts on anything?



10



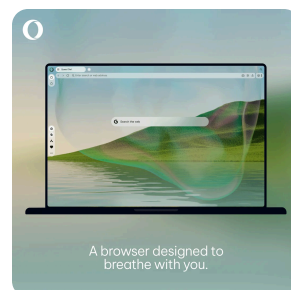
15

[Share](#)

OperaAirBrowser • Promoted



Opera Air: The mindful browser that helps you stay focused and stress-free

[Download](#)[opera.com](#)[+ Add a comment](#)Sort by: **Best** ▾

Search Comments



HarryMuscle • 3y ago

FYI, I don't think Unraid tracks BTRFS filesystem errors in its error count.



2

[Reply](#)

ACuriousBidet • 3y ago

[Skip to main content](#)



[Log In](#)

[Skip to main content](#)[Log In](#)

assuming its not a hardware issue (sata cable or drive) you basically have 3 options:

1. btrfs scrub
2. btrfs check --repair (NOTE: RISKY!!)
3. backup your data and reformat the drive

because my issue was storage size, reformatting was the path i took, but scrub / repair might work for you. just check out the documentation to understand what you're signing up for.

<https://btrfs.wiki.kernel.org/index.php/Manpage/btrfs-scrub>

btrfs scrub is used to scrub a mounted btrfs filesystem, which will read all data and metadata blocks from all devices and verify checksums. Automatically repair corrupted blocks if there's a correct copy available.

Note: Scrub is not a filesystem checker (fsck) and does not verify nor repair structural damage in the filesystem. It really only checks checksums of data and tree blocks, it doesn't ensure the content of tree blocks is valid and consistent. There's some validation performed when metadata blocks are read from disk but it's not extensive and cannot substitute full btrfs check run.

<https://btrfs.wiki.kernel.org/index.php/Btrfsck>

Warning: Do not use --repair unless you are advised to do so by a developer or an experienced user, and then only after having accepted that no fsck successfully repair all types of filesystem corruption. Eg. some other software or hardware bugs can fatally damage a volume.

Other Notes

<https://forums.unraid.net/topic/57426-btrfs-problem-corrupt-leaf/>

- btrfs dev stats /dev/md1
- btrfs check

https://www.reddit.com/r/btrfs/comments/lcbwa0/btrfs_check_errors_fixed_by_scrub/ "You could attempt a btrfs scrub, on that drive only, but... you have a bad tree block. Afaik a btrfs scrub does not ensure/fix tree block consistency. So I do think you need a btrfs check --repair in this particular case. I don't think a scrub can hurt tho."

<https://forums.unraid.net/topic/46348-how-to-rebuild-dockerimg/> "You don't have to take the array offline. Settings, docker, disable docker, delete the image, reenale docker, add the containers"

<https://stackoverflow.com/questions/30884044/how-to-fix-btrfs-root-inode-errors> provided that the broken inodes are the only problem present, the solution is to simply remove them. There may be a quicker way to do this, but here is what worked for me. From here I gleaned that you can use the find command to search for an inode like so: find / -inum XXXXXX -print

<https://unix.stackexchange.com/questions/436642/directory-entry-without-inode> "btrfs check will only show

[Skip to main content](#)[Log In](#)

broken inode)."

<https://linuxhint.com/how-to-use-btrfs-balance/>

https://wiki.unraid.net/index.php/Check_Disk_Fileystems#Drives_formatted_with_BTRFS

FAQ <https://forums.unraid.net/topic/46802-faq-for-unraid-v6/page/2/?tab=comments#comment-543490>

<https://forums.unraid.net/topic/33678-btrfs-scrub-discussion/>

⊖ ↑ 3 ↓ ○ Reply ...



sunny_bear • 3y ago

Great write up. Thanks for this.

↑ 2 ↓ ○ Reply ...



lambdan • 3y ago

This happens to me when the cache gets 100% filled to the brim, so make sure it's not getting filled up completely. Maybe run Mover more often.

⊖ ↑ 3 ↓ ○ Reply ...



ikomhoog OP • 3y ago

Im not using the cache as a transfer thing for my array. It only has my home assistant vm disk, appdata and docker img on it, the other shares dont use the cache at all. Its only filled for ~120GB with the stuff that is on it, and i have never seen it much above that. Mover is also setup to run every hour.

↑ 2 ↓ ○ Reply ...

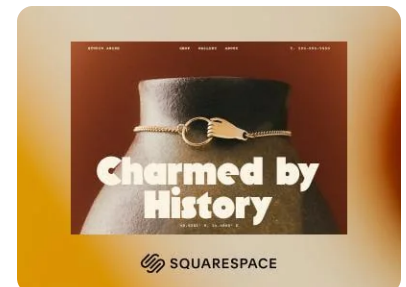


officialsquarespace • Promoted

Squarespace tools make it easy to create a beautiful and unique website, allowing you to control every step of the design process. Sign up now.

[Sign Up](#)

squarespace.com



KnifeFed • 3y ago

I'm been having pretty much the same issue lately but with 2 × M.2 NVMe drives (meaning not a cable issue). It's really annoying.

↑ 1 ↓ ○ Reply ...

[Skip to main content](#)[Log In](#)

[deleted] • 3y ago

I have had a few Samsung ssd's fail on me. I know they are supposed to be good, but mine developed problems.

I have two Samsungs in my cache on one unRaid server. I get the same message you are reporting. I have another unRaid server with adata ssd's - no problems reported. I know my comparison isn't exactly fair, but my Adata drives were bought about the same time and no issues yet.

⊖ ↑ 1 ↓ ○ Reply ...



ikomhoog OP • 3y ago

Do your Samsung ssd's show any errors when trying to do smart checks or anything?

Mine don't show errors anywhere when testing, only on this specific line "write time tree block corruption detected".

Are there any other differences between your 2 systems?

I'm using my old pc for UnRaid so its all desktop components:

Ryzen 2700X

4*16GB ddr4 @ 1866mhz (could run at 2400mhz but lowered it to spec because of this error, not that it helped)

gigabyte X470 Gaming 7

1060ti (for transcoding)

2 * 4tb WD blue (1 parity xfs array)

2 * 500gb samsung 860 (btrfs raid1)

↑ 1 ↓ ○ Reply ...

⊕ 1 more reply

New to Reddit?

Create your account and connect with a world of communities.

[Continue with Google](#)[Continue with Email](#)[Continue With Phone Number](#)

By continuing, you agree to our [User Agreement](#) and acknowledge that you understand the [Privacy Policy](#).

[Skip to main content](#)[Log In](#)

Finally encountered my first BTRFS file corruption after 15 years!

29 upvotes · 33 comments

 r/btrfs · 3 yr. ago

csum failed, bad tree, block, IO failures. Is my drive dead or has my BTRFS borked itself?

3 upvotes · 21 comments

 r/btrfs · 2 mo. ago

I created btrfs repair/data recovery tools

39 upvotes · 10 comments

 r/unRAID · 6 mo. ago

Backup options

8 upvotes · 56 comments

 r/unRAID · 2 mo. ago

Well it Finally Happened, Flash Drive Died

51 upvotes · 49 comments

 r/unRAID · 4 mo. ago

Reminder - Backup your USB Drive

14 upvotes · 27 comments

 r/pathofexile · 3 yr. ago

Performance degradation after an hour in game.

35 upvotes · 44 comments

 r/unRAID · 1 mo. ago

How can I get the 3rd party containers to ignore the available updates?

37 upvotes · 16 comments



 r/unRAID · 26 days ago

My server goes unresponsive every few days and this is always the log. I end up having to force shut down and restart everything. Any ideas as to what it means? I can't really make...

56 upvotes · 74 comments



[Skip to main content](#)[Log In](#)

62 upvotes · 275 comments



r/techsupport • 3 yr. ago

Is my SSD failing? (Linux)

2 upvotes · 17 comments



r/unRAID • 12 days ago

Any reasons to NOT upgrade to 7.0.0?

50 upvotes · 79 comments



r/PcBuild • 3 yr. ago

Memory errors on new build - sometimes - hard to reproduce!

1 upvote · 11 comments



r/synology • 3 yr. ago

What causes a volume crash? Because I've had 4 in the last week, now.

2 upvotes · 11 comments



r/linux_gaming • 3 yr. ago

I don't understand RAM resource management on Linux

5 upvotes · 19 comments



r/synology • 3 yr. ago

DSM7 and abrupt shut downs - no automatic consistency check?

4 upvotes · 5 comments



r/synology • 4 yr. ago

NVMe cache went "Critical", due to 100% capacity usage?

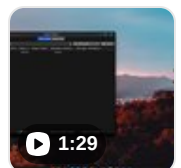
2 upvotes · 12 comments



r/kde • 3 yr. ago

Probable kwin_x11 memory leak, possibly nvidia (driver) related, can someone replicate? (RAM usage climbs when opening a window but doesn't go fully back. Goes to 500+)

19 upvotes · 13 comments



r/NextCloud • 3 yr. ago

Log In

10 upvotes · 15 comments

37 upvotes · 27 comments

7 upvotes · 10 comments

51 upvotes · 36 comments

www.27-12-2014 18:47
city: don't enter state (don't
know), 27.12.2014 (100%)

www.27-12-2014 18:47
city: don't enter state (don't
know), 27.12.2014 (100%)

 2

7 upvotes · 10 comments

reReddit: Top posts of October 2021



Log In