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 r/unRAID • 2 yr. ago  
aasimpthn

...

## Mover transfer speed from Cache drive to HDD

Is there any way to improve the transfer speed of the Mover from Cache to HDD? i am getting between 30 - 50 MB/s and I have lots of data to move.

| Array Devices          |   |        |           |           |        |     |      |         |         |
|------------------------|---|--------|-----------|-----------|--------|-----|------|---------|---------|
| DEVICE                 | IDENTIFICATION                                    | TEMP.  | READS     | WRITES    | ERRORS | FS  | SIZE | USED    | FREE    |
| Parity                 | WDC_WD40EFRX-6BN32N0_WD-WCC7K2TAY25U - 4 TB (sdd) | 44 C   | 41.9 MB/s | 41.2 MB/s | 0      |     | 4 TB | 1.03 TB | 2.97 TB |
| Disk 1                 | WDC_WD40EFRX-68WT0N0_WD-WCC4ERCVK9Y6 - 4 TB (sdc) | 45 C   | 41.9 MB/s | 41.8 MB/s | 0      | xfs | 3 TB | 20.9 GB | 2.98 TB |
| Disk 2                 | WDC_WD30EFRX-68AX9N0_WD-WCC1T1346432 - 3 TB (sde) | *      | 0.0 B/s   | 0.0 B/s   | 0      | xfs | 7 TB | 1.05 TB | 5.95 TB |
| Array of three devices |   | 44.5 C | 83.8 MB/s | 83.0 MB/s | 0      |     |      |         |         |
| Pool Devices           |   |        |           |           |        |     |      |         |         |
| DEVICE                 | IDENTIFICATION                                    | TEMP.  | READS     | WRITES    | ERRORS | FS  | SIZE | USED    | FREE    |
| Cache                  | WD_BLACK_SN750_2TB_193846640509 - 2 TB (nvme0n1)  | 54 C   | 43.5 MB/s | 0.0 B/s   | 0      | xfs | 2 TB | 711 GB  | 1.29 TB |

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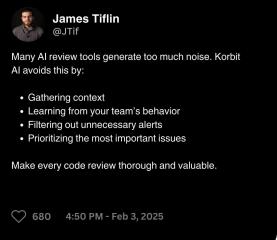
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RiffSphere • 2y ago

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Use turbo mode. No, no joke, search for it.

I normal mode, unraid reads parity, (writes data and calculates parity), writes parity, so you have less than half the speed. Advantage is that only parity and data disk used are active.

Turbo mode will read from all data drives and only write to parity. This is faster (in most cases) but all disks are active.

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writing at 80MB/s already. Don't trust the values from the cache read speed as they will go up and down as the HDDs catch up to a transfer. The HDD write speed is what you want to pay attention to. There's not a whole lot of headroom left with those though. I think they cap out at 120MB/s without any shfs overhead

2 ...

2 more replies



No\_Wonder4465 • 2y ago

Well if you start, you could just disable parity and write all to your unraid array. If you are done enable parity and let a parity check run. This is just for first fill up. After this just let the mover run in the night as example.

2 ...



aasimphn OP • 2y ago

sounds like a good plan, will try this on the second server and see if the speeds are any better, if not I will switch from unraid as it is not an optimized OS.

1 ...

1 more reply



AutoModerator MOD • 2y ago

Relevant guides for the topic of data migration: [RedditWiki: Data Migration](#)

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calcium • 2y ago

Is there any way to improve the transfer speed of the Mover from Cache to HDD?

Not that I've found, just chill and let your machine do its thing.

1 ...



aasimphn OP • 2y ago

I would like things to be as optimized as possible, you don't buy a Ferrari and expect it to cap out at 30 MPH, do you? My HDD top out at 120MB/s and my SSD tops out at 3000 MB/s, I expect to at least get 100 MB/s per drive if not the full 120MB/s

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## Can someone explain what memory spilling into ssd means? Does it usually happen in base 8gb variants? Is it a good thing or bad ???

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 r/unRAID • 7 mo. ago

## Reminder: Delete old files before buying a new 20TB drive :)

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