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r/unRAID



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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-68N32N0-WCC7K2TAV25U - 4 TB (sdd)	44 C	41.9 MB/s	41.2 MB/s	0				
Disk 1	WDC_WD40EFRX-68WT0N0-WCC4ERCVK9Y6 - 4 TB (sdc)	45 C	41.9 MB/s	41.8 MB/s	0	xfs	4 TB	1.03 TB	2.97 TB
Disk 2	WDC_WD30EFRX-68AX9N0-WCC1T1346432 - 3 TB (sde)	*	0.0 B/s	0.0 B/s	0	xfs	3 TB	20.9 GB	2.98 TB
	Array of three devices	44.5 C	83.8 MB/s	83.0 MB/s	0		7 TB	1.05 TB	5.95 TB
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

1

10

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**James Tiffin**
@JTIF

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 680 4:50 PM - Feb 3, 2025

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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 an 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

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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.

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aasimpthn 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.

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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.

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aasimpthn 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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r/unRAID • 8 mo. ago

Cache SSD Drive Recommendations

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r/DataHoarder • 3 yr. ago

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Where we buying HDD's now a days?

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11 upvotes · 24 comments

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25 upvotes · 37 comments

r/unRAID • 2 mo. ago

12TB Drives, Why so expensive?



141 upvotes · 161 comments

r/DataHoarder • 2 mo. ago

Any reason my pc can't support 6TB drives?

Table 1: Drives				
Feature	Specification			
Externally accessible (3.5 inch drive bay)	Yes			
Internally accessible	3.5 inch drive bays	2.5 inch SATA drive bays	2.5 inch SATA drive bays	PCIe M.2 SSD
	Two	Four	One	One

43 upvotes · 21 comments

r/unRAID • 1 mo. ago

If you bought a Seagate drive check Power On Hours

68 upvotes · 29 comments

r/jellyfin • 2 yr. ago

Moving large file(s) between two locations(SSD to/from HDD)

6 upvotes · 2 comments

r/PcBuildHelp • 2 yr. ago

Transferring all data from HDD to m.2 SSD

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Render time SSD vs HDD

2 upvotes · 3 comments



r/obs • 2 yr. ago

Is it advisable to set the output location for my video files to my SSD?

12 upvotes · 10 comments



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Moving data to external SSD

5 upvotes · 4 comments



r/DataHoarder • 2 yr. ago

Western Digital 8TB external hard drive - Slow when unpacking zip files?

1 upvote · 20 comments



r/DataHoarder • 6 mo. ago

Where are those 40tb drives?

65 upvotes · 56 comments



r/synology • 2 yr. ago

How to safely migrate from HDD to SSD?

3 upvotes · 5 comments



r/unRAID • 2 yr. ago

NAS with M2 cache VS HDD cache

5 comments



r/macbookair • 3 yr. ago

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

7 upvotes · 43 comments



r/unRAID • 7 mo. ago

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

82 upvotes · 49 comments



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