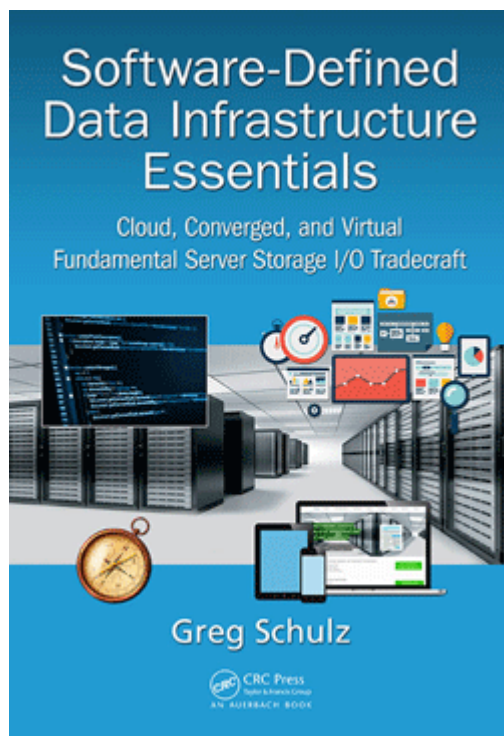




## Volume 17, Issue VII

Hello and welcome to the July 2017 issue of the [Server StorageIO update newsletter](#).

It has been busy time with a lot going on, so let's get right to this month's topics which include software defined, data infrastructures, server, I/O networking, storage and related topics.



A quick update following up from the [June newsletter](#) is that my new book is now available via Amazon.com, CRC Press and other venues in hardcopy hardcover as well as electronic versions. Visit [storageio.com/book4](http://storageio.com/book4) to learn more including view table of contents, preface, how organized among other items.

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Enjoy this edition of the Server StorageIO update newsletter.

Cheers GS

Some recent Industry Activities, Trends, News and Announcements include:

Arcserve who [gained their independence from CA](#) a few years ago has now [acquired Zetta](#) to expand its data protection solution portfolio for legacy, software defined virtual and cloud data infrastructure environments.

Software Defined Data Infrastructure (SDDI) solution provider Compuverde has been [awarded a US Patent](#) for optimal server selection in software defined data centers (SDDC).

The InfiniBand Trade Association (IBTA) announced its April 2017 [integrators list](#) including RDMA over Converged Ethernet (RoCE) along with other recent plugfest updates. Learn more about IBTA and related topics at [www.infinibandta.org](http://www.infinibandta.org)

[Next Platform](#) has an interesting piece about a slump in the High Performance Computing (HPC) also known as High Profit Compute (for financial firms among others) along with Super Compute (SC) industry sector. Some of the vendors in the HPC and SC space include AMD, Cisco, Cray, DDN, Dell EMC, Fujifilm, IBM, Intel, [HPE/SGI](#), Mellanox, NetApp, Oracle, Seagate and Western Digital (WD) among others. Check out the piece over at [Next Platform here](#).

To beef up its storage solution offerings, [Cray has done a deal with Seagate](#) who is one of their suppliers of HDDs as well as software defined storage software (ClusterStore) and related systems. In this new deal, Cray will get (e.g. now own) Lustre based ClusterStore storage solution which besides the intellectual property (IP) including software, around 100 or so workers will shift from being Seagate to becoming Cray employees. Note that Seagate acquired ClusterStore solution as part of its acquisition a few years ago of Xyratex (enclosures and Lustre storage system software).

Meanwhile [Seagate CEO Stephen Luczo is stepping down](#) from his top leadership position after posting poor earnings and more job cuts. We have heard that [HDDs](#) are dead for decades, yet they continue to be consumed, granted with ups and downs, lately more downs for Seagate than its competitor Western Digital (WD). Seagate has dabbled in [flash solid state devices \(SSDs\)](#) ranging from drives to cards including acquisition of the flash business from LSI/Avago a few years ago, along with some partnerships. As a component supplier, does Seagate need to take a bold move and get closer or do a deal with one of the nand flash or other persistent memory chip makers? Or, does Seagate need to continue to move up the stack with solutions building on their previous deals buying Xyratex (enclosure and ClusterStor), Evault (data protection software), DotHill (storage systems), LSI/Avago flash (flash cards)? Lets see what happens with Seagate both from a big picture as well as more focused product, technology, portfolio perspective.

Watch for a flurry of [NVMe](#), along with [flash SSD](#) and other non-volatile memory (NVM), persistent memories along with storage class memories over the next few weeks. Keep in mind that [If Answer is NVMe, what are the questions?](#) Also watch for a flurry of software defined, cloud, virtual and related news towards the end of the month and into September.

Just for fun, Mike Acton ([@mike\\_acton](#)) has an interesting read on Introductory bullshit detection for non-technical managers that you can [check out here](#). Over at Coding Horror there is another interesting read on the notion of paying down your technical debt, [check it out here](#).

Check out other industry news, comments, trends perspectives [here](#).

## Server StorageIO Commentary in the news

Recent Server StorageIO industry trends perspectives commentary in the news.

[Via EnterpriseStorageForum](#): Comments on Who Will Rule the Storage World?

[Via SearchDataCenter](#): Comments on Dell EMC Cisco VxBlock news

View more Server, Storage and I/O trends and perspectives comments [here](#)

## Server StorageIO Featured White Paper Report

This months featured Server StorageIO Data Infrastructure content is a new white paper industry trends perspective report looking at Weka.IO Matrix Multi-Dimensional Software Based Storage (e.g. software defined storage). In this report, we look at WekaIO Matrix, an elastic, flexible, highly scalable easy to use (and manage) software-defined (e.g. software-based) storage solution. WekaIO Matrix enables radically simple software defined storage that is flexible elastic scaling with stability and without compromise.



- Matrix is a new storage solution that:
- Installs on bare metal, virtual or cloud servers
- Has POSIX, NFS, SMB, and HDFS storage access
- Adaptable performance for little and big data
- Tiering of flash SSD and cloud object storage
- Distributed resilience without compromise
- Removes complexity of traditional storage

Read more in this StorageIO Industry Trends and Perspective (ITP) Report compliments of WekaIO by [clicking here](#). Visit [www.weka.io](http://www.weka.io) to learn more about WekaIO and their Matrix solution.

View more Server StorageIO Data Infrastructure White Papers, Lab Reports, Solution Briefs, Research, Polls, Surveys and additional content [here on our portfolio page](#).

## Server StorageIOblog Posts

Recent and popular Server StorageIOblog posts include:

- [Intel Announces New Xeon Processors for Software Defined Data Infrastructures](#)  
Intel announced a new family of Xeon Scalable Processors (aka Purely) that for some workloads Intel claims to be on average of 1.65x faster than their predecessors. Note your real improvement will vary based on workload, configuration, benchmark testing, type of processor, memory, and many other server storage I/O performance considerations.
- [Who Will Be At Top Of Storage World Next Decade?](#)  
It is safe to say that each new year will bring new trends, techniques, technologies, tools, features, functionality as well as solutions involving data storage as well as data infrastructures. This means a usual safe bet is to say that the current year is the most exciting and has the most new things than in the past when it comes to data infrastructures along with resources such as data storage.
- [Zombie Technology Life after Death Tape Is Still Alive](#)  
A Zombie Technology is one declared dead yet has Life after Death such as Tape which is still alive, despite having declared dead for decades.

In Case You Missed It #ICYMI

- [If Answer is NVMe, what are the questions?](#)
- [Get in the NVMe SSD game \(if you are not already\)](#)
- [GDPR \(General Data Protection Regulation\) Resources Are You Ready?](#)

- [Microsoft Windows Server, Azure, Nano Life cycle Updates](#)
- [AWS S3 Storage Gateway Revisited \(Part I\)](#)
- [Azure Stack Technical Preview 3 \(TP3\) Overview Preview Review](#)
- [Stillwater St Croix Backyard Black Bear aka Yogis](#)
- [June 2017 Server StorageIO Data Infrastructure Update Newsletter](#)
- [May 2017 Server StorageIO Data Infrastructure Update Newsletter](#)

View other recent as well as past [StorageIOblog posts here](#)

## Server StorageIO Data Infrastructure Tips and Articles

Recent Server StorageIO industry trends perspectives commentary in the news.

[Via IDG/NetworkWorld](#): Ensure your data infrastructure remains available and resilient

[Via IDG/NetworkWorld](#): Whats a data infrastructure?

[Via InfoStor](#): Object Storage Is In Your Future

[Via InfoStor](#): Cloud Storage Concerns, Considerations and Trends

[Via InfoStor](#): SSD Trends, Tips and Topics

View more Server, Storage and I/O trends and perspectives comments [here](#)

## Events and Activities

Recent and upcoming event activities.

Sep. 21, 2017 - [MSP CMG](#) - Minneapolis MN

Sep. 14, 2017 - [Fujifilm IT Executive Summit](#) - Seattle WA

Sep. 12, 2017 - [SNIA Software Developers Conference \(SDC\)](#) - Santa Clara CA

Sep. 7, 2017 - TBA - Enabling, Planning and Executing Your Software Defined Journey

August 28-30, 2017 - VMworld - Las Vegas

June 22, 2017 - [Webinar](#) - GDPR and Microsoft Environments

May 11, 2017 - [Webinar](#) - Email Archiving, Compliance and Ransomware

See more webinars and activities on the [Server StorageIO Events page here](#).

## Server StorageIO Industry Resources and Links

Useful links and pages:

[Microsoft TechNet](#) - Various Microsoft related from Azure to Docker to Windows

[storageio.com/links](#) - Various industry links (over 1,000 with more to be added soon)

[objectstoragecenter.com](#) - Cloud and object storage topics, tips and news items

[OpenStack.org](#) - Various OpenStack related items

[storageio.com/protect](#) - Various data protection items and topics

[thenvmeplace.com](#) - Focus on NVMe trends and technologies

[thesdplace.com](#) - NVM and Solid State Disk topics, tips and techniques

[storageio.com/converge](#) - Various CI, HCI and related SDS topics

[storageio.com/performance](#) - Various server, storage and I/O benchmark and tools

[VMware Technical Network](#) - Various VMware related items

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