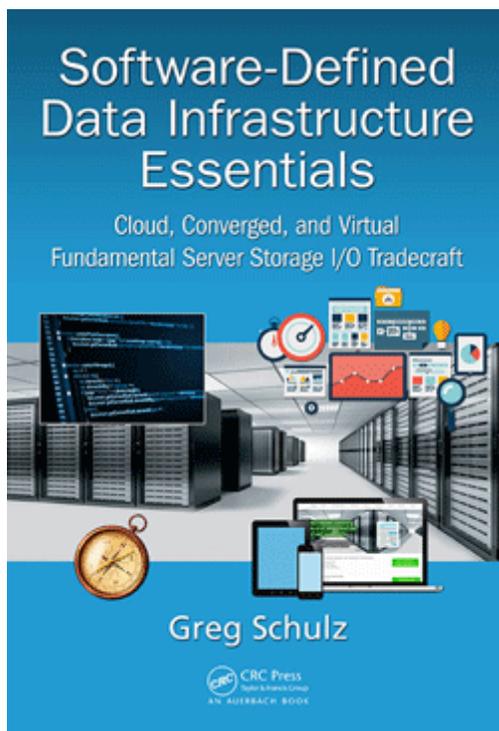




Volume 17, Issue VI

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

For those of you in the northern hemisphere it is time for summer holidays, while in the southern hemisphere it's winter time. That means there is a lot going on outside of work, however June has also seen a lot of activity in and around IT data infrastructure along with data centers. Check out some of the industry trends news and updates below.



A quick update following up from the [May 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. Think of this as the soft launch with a formal launch and more information being rolled out soon. For now, you can visit the landing page for [Software Defined Data Infrastructure Essentials - Cloud, Converged, and Virtual Fundamental Server Storage I/O Tracraft \(CRC Press/Taylor Francis/Auerbach\)](#) at storageio.com/book4 to learn more including view table of contents, preface, how organized among other items.

In This Issue

- [Server StorageIO trends](#)
- [Server StorageIO blog posts](#)
- [Server StorageIO News Commentary](#)
- [Various Events and Webinars](#)
- [Industry Resources and Links](#)
- [Connect and Converse With Us](#)
- [About Us](#)

Enjoy this edition of the Server StorageIO update newsletter.

Cheers GS

Data Infrastructure and IT Industry Activity Trends

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

Cavium [announced](#) 10, 25, 50 and 50Gbps Ethernet server storage I/O NIC solutions (e.g. FastLine 41000 series).

The NVMe Express trade group (e.g. nvmexpress.org) announced the completion of NVMe 1.3 specification. New optional features include support for mobile platforms and book, along with scaling for enterprise as well as cloud environments. Learn more about specifications at the NVMexpress.org site as well as more NVMe material at thenvmeplace.com.

Keep in mind that if the answer is NVMe, [what are the questions](#) along with various options from front end to back-end, NVMe and PCIe, NVMeoF, U.2/8639, M2/NGFF among others.

The Fibre Channel Industry Association [announced](#) FC-NVMe interoperability plugfest and Gen 6 32GFC activity to support next generation data infrastructures and data centers.

Storage vendor Tegile announced they are joining the growing ranks of vendors adding NVMe support with their [IntelFlash OS 3.7 along with other enhancements](#).

For those of you who are involved with Windows Servers environments along with server, storage and I/O networks, check out Darryl VanderPeijl [multi-part series](#) on RDMA, DCB, PFC, ETS and related topics.

HPE and Hedvig [announced](#) solutions combining forces to address hybrid cloud storage needs.

IBM and Cisco [announced](#) enhancements around their converged (Cisco powered servers) solution for VDI and Hybrid cloud workloads.

Big Data and Analytics vendor Mapr [announced](#) enhancements to their converged data management platform for cloud scale data fabrics.

Panzura has [enhanced](#) its Freedom software defined storage management solution with version 7 to support expanded unstructured data growth while easing management functions, along with performance updates.

Red Hat [announced](#) Ceph Storage 2.3 including Ceph 10.2 (Jewel) combining an NFS gateway.

Scality [announced](#) enhancements to its Ring software defined storage cloud and object solution including enhanced security along with data protection capabilities.

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

Server StorageIOblog Posts

Recent and popular Server StorageIOblog posts include:

- [GDPR \(General Data Protection Regulation\) Resources Are You Ready?](#)
- [Microsoft Windows Server, Azure, Nano Life cycle Updates](#)
- [AWS S3 Storage Gateway Revisited \(Part I\)](#)
- [Part II Revisiting AWS S3 Storage Gateway \(Test Drive Deployment\)](#)
- [May 2017 Server StorageIO Data Infrastructures Update Newsletter](#)

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

Server StorageIO Commentary in the news

Recent Server StorageIO industry trends perspectives commentary in the news.

[Via EnterpriseStorageForum](#): 5 Hot Storage Technologies to Watch

Storage can be held back by slow I/O performance, which caused expensive compute resources and memory to be consumed. NVMe reduces wait time while increasing the amount of effective work, enabling higher-profitability compute. The storage I/O capabilities of flash can be fed across PCIe faster to enable multi-core processors to complete more useful work in less time.

[Via EnterpriseStorageForum](#): 10-Year Review of Data Storage

The adoption of hybrid cloud and hybrid converged server storage has appeared more rapidly than many expected. And despite firm pronouncements of their demise, FC, tape and HDD are still very much with us.

[Via CDW](#): Your IT Department Can Help Your Company's Bottom Line Here's How

Not only are the servers more robust performance wise, but they've got more compute capability, can handle more workloads, have more memory and also have better resiliency.

[Via EnterpriseStorageForum](#): Top 10 Tips for Software-Defined Storage Deployment

Dell 14g PowerEdge Servers give you greater compute and IO capability, as well as the density you need, NVMe and 25 Gig Ethernet on board,

[Via CDW](#): Meeting IoT's Demands for Networking

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

Events and Activities

Recent and upcoming event activities.

Sep. 13-15, 2017 - Fujifilm IT Executive Summit - Seattle WA

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
[thenvmplace.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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