July 2018 Server StorageIO Data Infrastructure Update Newsletter

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Hello and welcome to the July 2018 Server StorageIO Data Infrastructure Update Newsletter.

In cased you missed it, the June 2018 Server StorageIO Data Infrastructure Update Newsletter can be viewed here (HTML and PDF).

In this issue buzzwords topics include Dell Technology and VMware, AWS and Google public, private and hybrid cloud, machine learning, 3D XPoint, SCM, SSD, NVMe, data infrastructure management tools among other topics.

- Data Infrastructure Industry Activity
- News Commentary and Tips
- Server StorageIOblog posts
- Recommended Reading
- Various Events and Webinars
- Industry Resources and Links

Enjoy this edition of the Server StorageIO Data Infrastructure update newsletter.

Cheers GS

Data Infrastructure and IT Industry Activity Trends

July 2018 data infrastructure, server, storage, I/O network, hardware, software, cloud, converged, and container as well as data protection industry activity includes among others:

Amazon Web Services AWS July 2018 Updates include enhancements to machine learning (ML) Sagemaker service, faster S3 access, new EC2 instances along with Snowball Edge (SBE) for on-prem converged server and compute appliance (read more about SBE here). In other public cloud activity, Google Cloud Platform GCP announced new Los Angeles Region.

Intel and Micron have announced that they will be pursuing different paths when they complete the second generation in 2019 of 3D XPoint used in Intel Optane NVMe SSD and Storage Class Memory (SCM) technologies, read more here Intel Micron 3D XPoint Evolving. Meanwhile, Broadcom buying CA, Brilliant or a Brainbuster? This deal is a bit of a head scratcher with Broadcom spending $18.9 Billion USD (cash) to by CA Technologies.

In other data infrastructures news and activity, DataDirect Networks Stages Bid to Acquire Tintri's Assets and Expand Its Storage Portfolio into the Enterprise. Dell EMC announced a new integrated data protection appliance (IDPA DP4400) for small and midsize organizations. In other activity, VMware declared a dividend, with Dell Technologies being a majority owner, will use cash to fund Dell business structuring. Read more about Dell Technologies Announces Class V VMware Tracking Stock exchange for stock or cash here.

Spectra (e.g. who some of you know as Spectra Logic) has announced enhancements to their tape libraries. Note that one of the larger growth (or sustainment) markets for tape based technologies in recent years have been the

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larger cloud scale service providers. Granted those providers are not using tape in old ways (e.g. for direct backup), rather, in new ways where it is a companion to SSD, HDD as another storage class, tier or technology enabler.

IBM has jumped on the NVMe bandwagon announcing updates to their Flashsystems 9100 systems (e.g. what they acquired via TMS a few years ago). Opvisor has announced a new VMware vSAN performance monitoring and troubleshooting feature for their insight, awareness management tools.

Check out other industry news, comments, trends perspectives here.

Server StorageIO Commentary in the news, tips and articles

Recent Server StorageIO industry trends perspectives commentary in the news.

Via : SearchStorage: Comments on GDPR and Cloudian File Sync Share
Via : NetworkComputing: Comments Software Defined Storage SDS Getting Started
Via SearchStorage: Comments The storage administrator skills you need to keep up today
Via SearchStorage: Comments Managing storage for IoT data at the enterprise edge
Via SearchCloudComputing: Comments Hybrid cloud deployment demands a change in security mind set

View more Server, Storage and I/O trends and perspectives comments here.

Server StorageIOblog Data Infrastructure Posts

Recent and popular Server StorageIOblog posts include:

2018 Hot Popular New Trending Data Infrastructure Vendors to Watch
June 2018 Server StorageIO Data Infrastructure Update Newsletter
May 2018 Server StorageIO Data Infrastructure Update Newsletter
Have you heard about the new CLOUD Act data regulation?
Data Protection Recovery Life Post World Backup Day Pre GDPR
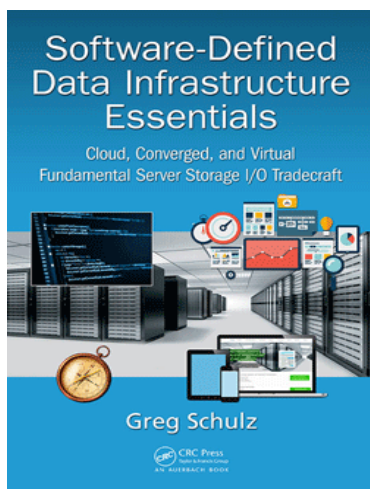Microsoft Windows Server 2019 Insiders Preview
Server Storage I/O Benchmark Performance Resource Tools
Data Infrastructure Primer Overview (Its Whats Inside The Data Center)
If NVMe is the answer, what are the questions?

View other recent as well as past StorageIOblog posts here

Server StorageIO Recommended Reading (Watching and Listening) List

In addition to my own books including Software Defined Data Infrastructure Essentials (CRC Press 2017) available at Amazon.com (check out special sale price), the following are Server StorageIO data infrastructure recommended reading, watching and listening list items. The Server StorageIO data infrastructure recommended reading list includes various IT, Data Infrastructure and related topics including Intel Recommended Reading List (IRRL) for developers is a good resource to check out.

Duncan Epping (@DuncanYB), Frank Denneman (@FrankDenneman) and Neils Hagoort (@NHagoort) have released their VMware vSphere 6.7 Clustering Deep Dive book available at venues including Amazon.com. This is the latest in a series of Cluster and deep dive books from Frank and Duncan which if you are involved with VMware, SDDC and related software defined data infrastructures these should be on your bookshelf.

Watch for more items to be added to the recommended reading list book shelf soon.

Events and Activities

Recent and upcoming event activities.

July 25, 2018 - Webinar - Data Protect & Storage

June 27, 2018 - Webinar - App Server Performance

June 26, 2018 - Webinar - Cloud App Optimize

See more webinars and activities on the Server StorageIO Events page here.

Data Infrastructure Server StorageIO Industry Resources and Links

Various useful links and resources:

Data Infrastructure [Recommend Reading](#) and watching list
[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/downloads](#) - Various presentations and other download material
[storageio.com/protect](#) - Various data protection items and topics
[thenvmeplace.com](#) - Focus on NVMe trends and technologies
[thessdplace.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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What this all means and wrap-up

Summer is here in North America and the Northern Hemisphere which means holidays as well as vacations. However Data Infrastructures continue to evolve as do the tools, technologies, trends, hardware, software, services along with those who take care of, and define them. Enjoy your summer vacation, holidays as well as this July 2018 Server StorageIO Data Infrastructure Update Newsletter edition.

Ok, nuff said, for now.

Gs

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