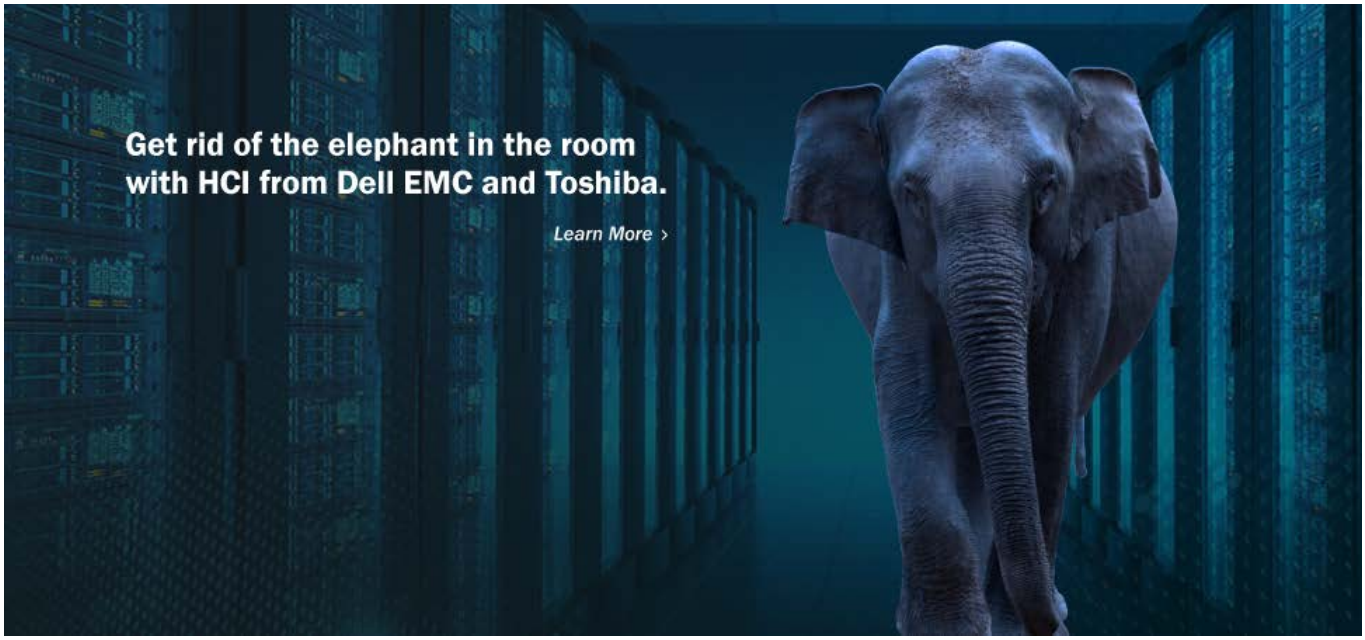
Demartek Lab Notes

September 2017

News

Demartek Evaluations Dell EMC FX2 Enterprise Database Workloads with Toshiba SSDs

The Dell EMC PowerEdge FX2 enclosure combines the flexibility, density, and efficiencies of blade server technology with the simplicity and cost benefits of rack-based systems. We wanted to show a real-world example of this by deploying an Oracle database solution and we found this set-up provied a powerful punch in a small footprint. Read the full report to get all the details.



[Demartek Evaluation: Dell EMC vSAN Mixed Enterprise Workloads with Toshiba SSDs]

Hyper-converged infrastructure (HCI) is a newer technology where a cluster of hypervisor server nodes are deployed in a single chassis containing tightly-integrated server, networking, and storage technology. We recently deployed a three-node all-flash Dell EMC vSAN cluster with Dell PowerEdge R730 servers and reported on the performance.

[Demartek Evaluation of Dell EMC XC Series Appliances VM Scaling with Toshiba SSDs]

As one of the top providers of enterprise servers, the Dell EMC PowerEdge product line is a recognized standard when it comes to datacenter deployments. Powered by Toshiba PX05S 12Gb/s SAS SSDs, the PowerEdge platform is an ideal building block for a Nutanix private cloud. View the configuration details and performance report today!

Demartek NVMe over Fabrics Rules of Thumb

NVMe over Fabrics provides a way to transmit the NVMe block storage protocol over a range of storage networking fabrics. This brings the benefits of storage area networking (SAN) technology to NVMe that includes scaling out to large numbers of NVMe devices and communicating with these devices over datacenter distances. Read the latest Demartek Commentary piece to get further explanation.

Stephen Cargile Joins Demartek as a Systems Analyst

Stephen Cargile is a Systems Analyst and is a veteran of the storage industry, having managed labs at McDATA, Calpont and Quantum. Stephen was also a leading Systems Engineer with Amdahl focusing on UNIX and Windows environments. After graduating from Coleman College in San Diego, he began his career as a mainframe Systems Programmer. As one of the original members of McDATA's famed Systems Integration Lab, he was in the middle of the Fibre Channel technology explosion of the late nineties and early 2000's. Specializing in storage systems architecture, protocols, networking and performance, Stephen brings many years of experience and expertise to the Demartek team and we are happy to have him joining us!

Top Ten

Some of the automation and artificial intelligence tools running in the cloud and on some desktops are directed towards crawling and indexing websites, and these tools are often known as "bots". As a result of increasing amounts of this bot technology accessing our website, it has become very difficult to distinguish bot activity from activity by real human beings reading our website. As a result, we are no longer publishing the ***Demartek Top Ten*** and the ***Month Browser Usage Statistics***. For a more complete explanation and some additional references to the "bot" problem, please read our **Commentary on Internet Bots** article.

Word from the President

We continue to test different application operating environments, such as the items we highlighted in this newsletter. These give us a chance to explore a number of interesting technologies, including hyper-converged environments, used to deploy applications. We're also pleased to welcome Stephen Cargile to our team of analysts, who brings deep testing experience. We would love to discuss some of these newer environments with you.

Dennis Martin

Demartek President

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