

Demartek Lab Notes

Real-world, Hands-on Research & Analysis

July 2014



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Demartek News

[Demartek Evaluation of HP 20GbE Technology for the HP BladeSystem](#)

Recently, HP commissioned Demartek to analyze the performance of its 20GbE technology with its BladeSystem platform and compare it to existing 10GbE technology available today. In order to accommodate growing demands for bandwidth, HP has introduced its 20GbE technology for the HP BladeSystem environment, which is compatible with today's 10GbE and 40GbE technology and is supported in existing HP BladeSystem enclosures. Read the full report [here](#).



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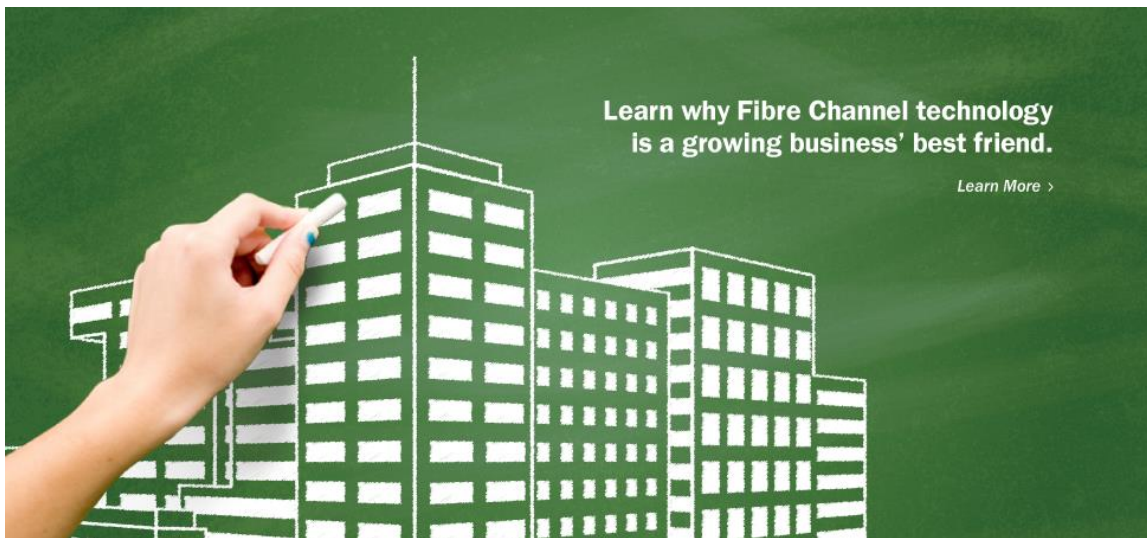
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[Demartek Releases New Episode in Demartek Tutorial Series](#)

In the previous Demartek Tutorial video, released in March of this year, we discussed some basics for computer storage. To continue with our series we have released the next installment: "Demartek Tutorials - Fibre Channel Basics". In the latest episode we hope to expound on ideas laid out in the first video regarding Fibre Channel technology, what Fibre Channel is, its history, as well as how it is beneficial in today's growing datacenter. (Continued on next page)

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Demartek Hires Systems Analyst



Welcome the newest Systems Analyst to the Demartek team! Scott Currie signed on with Demartek in June and has been a great asset to our company. Having worked in the IT field for close to two decades, ranging from supporting sizable environments to linking phones, networking systems LANs, and even creating cohesive computing environments. With all this knowledge under his belt he is the perfect fit when it comes to managing our growing infrastructure, performing tests on various servers, virtual platforms and storage systems.

Demartek Speaking Events

[Demartek Speaking at Flash Memory Summit in August 2014](#)

As enterprises increasingly adopt flash technology for storage solutions, they are looking for the important performance metrics in real-world application environments. We have run numerous enterprise datacenter performance tests with a variety of types of flash storage including hybrid arrays, all-flash arrays, server-side flash and with new interfaces such as **NVMe**. In this session we will show performance results from a variety of scenarios and products in order to provide reasonable performance expectations for users.



- August 5, 4:25pm-5:45pm: **[Real-World Performance of Flash-Based Storage Systems](#)** (Session 104-C)

Get the full agenda of speaking events and to register for this summer's Flash Memory Summit, [click here](#).

Top Ten Demartek Pages and Reports

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We list the top ten most popular pages and reports for the last four weeks, updating every Monday morning. Here's how it looked on our website on July 7th:



1. [Demartek Fibre Channel Deployment Guide](#)
2. [Demartek Presents Robocopy at March 2011 RMWTUG Meeting](#)
3. [Demartek Storage Networking Interface Comparison](#)
4. [Demartek News and Reports](#)
5. [Demartek iSCSI Guide](#)
6. [Demartek Evaluation of Dell PowerEdge VRTX Shared PERC8 in Failover Scenario](#)
7. [Demartek SSD Deployment Guide](#)
8. [Demartek Evaluation of NetApp EF540 All-Flash Array and the SANtricity SSD Cache Technology](#)
9. [Demartek Evaluation of HP 3PAR StoreServ 7450 All-flash Storage](#)
10. [Demartek Lab Validation and Testing](#)

Be sure to check back every Monday to see which reports have made the Top Ten List. The [current top ten list](#) can also be viewed on the Demartek website.

Word from the President

We're growing both in people and equipment in our lab, and are eager to share some of these results with you all. If you don't already, you can follow us on [Twitter](#), [LinkedIn](#), or [Facebook](#) to keep up with the latest Demartek happenings. We hope to see you at an upcoming event!



Dennis Martin, President, Demartek

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