Demartek Lab Notes – October 2013

Demartek Lab Notes
Real-world, Hands-on Research & Analysis

October 2013

Demartek News

Demartek Comments on IDF2013 and NVMe

Dennis Martin recently attended the Intel Developer Forum 2013 in San Francisco to follow-up on the progress of NVM Express. NVMe has made great strides since last year with the first NVMe SSD announced and a robust ecosystem developing to support this technology. To see all of Dennis's findings and comments on NVMe, PCI Express, hardware and software latency, along with many other technology advancements, click **here** to view the entire article.

Demartek Evaluation of NetApp EF540 All-Flash Array and the SANtricity SSD Cache Technology

Recently, NetApp commissioned Demartek to evaluate the performance of its EF540 flash array and the E-Series SANtricity SSD Cache technology. Where mission-critical applications need the fastest performance, an all-flash solution can often be the right choice. In other cases, a solution that uses flash as a caching layer combined with hard disk drive technology may be the right choice. To get the full scoop on NetApp's new array and caching technology, and find out which one best suits your needs, click **here**.

Demartek Video of Services Offered

Here at Demartek we are continuing to add to the already vast array of services we provide. We are providing some newer services that we would like to share with you, and have created a short video that highlights some of these. If you have any questions regarding anything you see in this video, we would be happy to discuss it with you. In the mean-time **watch the video** showcasing our services.

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Demartek Speaking Events

Demartek Discusses SSDs at Storage Decisions Conference San Francisco in October

Dennis Martin, Demartek President, will present two sessions at Storage Decisions San Francisco on October 30th. These sessions include:

- October 30, 11:00am-12:00pm: **Solid-State Storage is Everywhere - But Where Does It Work Best?**
- October 30, 2:10pm-3:10pm: **Solid-State Technology - What's New?**

To get all the info and to register for this event, visit the **Storage Decisions** site.

Top Ten Demartek Pages and Reports

We have a feature on our website that lists the top ten most popular pages and reports for the last four weeks, updating every Monday morning. Here's how it looked on October 14th:

1. **Demartek Presents Robocopy at March 2011 RMWTUG Meeting**
2. **Demartek Storage Networking Interface Comparison**
3. **Demartek Comments on IDF2013 and NVMe**
4. **Demartek iSCSI Deployment Guide**
5. **Demartek SSD Deployment Guide**
6. **Demartek Low Latency Evaluation of Fibre Channel, iSCSI and SAS Host Interfaces**
7. **Demartek News and Reports**
8. **Demartek Publishes Exchange Server 2003 vs 2007 vs 2010 I/O Comparison Summary**
9. **Demartek SSD Zone**
10. **Demartek Evaluation of NetApp EF540 All-Flash Array and SANtricity SSD Cache Technology**

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.

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Word from the President

When we measure storage performance, we like to collect IOPS, bandwidth and latency measurements in order to help get the complete picture. In addition, as we have been testing SSD technology, we often find that the bottlenecks move away from storage on into the network. It is important to make sure your networks (LAN and SAN) do not become the bottlenecks as you deploy faster storage technology. We're always happy to discuss performance and ease-of-use with existing and new technologies!

Dennis Martin, President, Demartek

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