Demartek Lab Notes –January 2014

Demartek Lab Notes

Real-world, Hands-on Research & Analysis

Demartek News

Demartek Evaluation of NetApp Flash Storage Portfolio

Flash (solid state) storage options are proliferating and are being adopted in enterprise datacenters with increasing regularity. NetApp integrates flash technology across their entire line of storage systems and commissioned Demartek to evaluate this line of technology. **This document** provides a summary of the architecture of the NetApp flash solutions available today and the new FlashRay™ family expected to become available in 2014.

Demartek Earns EPA Test Lab Recognition

In December 2013 Demartek became an Environmental Protection Agency (EPA) recognized test laboratory for the United States EPA ENERGY STAR® Data Center Storage program. The EPA ENERGY STAR Data Center Storage program defines a very specific set of tests to be run that provide energy efficiency information for these products, which Demartek has demonstrated the ability to run. In addition, the Demartek lab meets the ENERGY STAR program requirements for supply voltage, voltage tolerance and maximum total harmonic distortion. Head over to the **Demartek Lab Validation page** to learn more about Demartek's testing capabilities.

Demartek Commentary on CES 2014

Earlier this month, Dennis Martin, President of Demartek, took the opportunity to attend this year's International CES in Las Vegas. Along with gaining insight into future technologies that may impact datacenter environments, Dennis also took this opportunity to discover new emerging trends in the field of consumer electronics. View the full **2014 International CES commentary** to get all the information.

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Demartek Set To Move

We are very excited to announce that we are moving to a larger facility during the third week of January! We will have more office space for our staff, increased space for our growing computer lab and a receiving dock for larger shipments. Our lab will be down for most of that week during the move, but we expect to be up and fully operational by the fourth week of January. Look for additional news regarding our move in the February newsletter.

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 January 13th:

1. **Demartek Evaluation of NetApp Flash Storage Portfolio**
2. **Demartek Presents Robocopy at March 2011 RMWTUG Meeting**
3. **Demartek Storage Networking Interface Comparison**
4. **Demartek Evaluation of Cisco Multi-protocol and Multi-topology Latency and Connectivity**
5. **Demartek News and Reports**
6. **Demartek iSCSI Deployment Guide**
7. **Demartek SSD Deployment Guide**
8. **Demartek Evaluation of NetApp EF540 All-Flash Array and SANtricity SSD Cache Technology**
9. **Demartek Evaluation of NetApp Flash Accel and Flash Cache Technology**
10. **Demartek Low Latency Evaluation of Fibre Chnnel, iSCSI and SAS Host Interfaces**

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

Calendar year 2013 was a year of good growth for us, and we're looking forward to an even more exciting 2014. New and improved technologies are expected to emerge in 2014, and energy efficiency is becoming increasingly important in datacenters. We wish you all a very good new year!

Dennis Martin, President, Demartek

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