Demartek Lab Notes - December 2010

December 2010

Welcome

Welcome to the **Demartek Lab Notes**, our monthly newsletter. We are busy conducting several test projects and planning for next year. Here are a couple of hints of things to come. Many of the adapters we're bringing into our lab are SR-IOV capable. We're also bringing in more SSDs and we're seeing more interest in 10GbE. Also look for more evaluations of software.

In This Issue

Public Evaluations

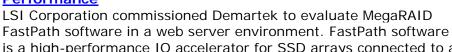Demartek on YouTube

Speaking Engagements

Merry Christmas!

Quick Links

All News & Reports
Video Library
Demartek RSS Feed
Contact Us

Public Evaluations

Demartek Publishes Evaluation of LSI MegaRAID FastPath Performance

LSI Corporation commissioned Demartek to evaluate MegaRAID FastPath software in a web server environment. FastPath software is a high-performance IO accelerator for SSD arrays connected to a MegaRAID controller card. FastPath is an optimized version of LSI's MegaRAID technology that is designed with SSDs in mind, taking advantage of the increased read and write performance of SSDs. FastPath is used for primary storage where the user places files directly on the SSD devices.

Demartek Takes First Look at Mellanox® ConnectX® 10Gb Ethernet Adapters

Mellanox, known primarily for Infiniband adapters and switches, sent us some of their ConnectX 10Gb Ethernet Adapters for a first look in our lab. These are dual-port, PCI-Express (PCIe) 2.0, x8 adapters, which we installed into two of our Nehalem-class (PCIe 2.0) servers running Windows Server 2008 R2 and connected via our copper SFP+ cables into our 10GbE Cisco Nexus 5020 switch.

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Demartek on YouTube

We are pleased to announce that we have posted two videos on our Demartek YouTube channel. Please visit our **Video Library** for these and other videos in which Demartek has participated. You can subscribe to our YouTube channel and be notified when we post new video. Expect future videos that summarize public evaluations that we have completed, discussions of specific technologies and more.

Demartek LSI CacheCade Performance Evaluation in a Web Server Environment

Demartek Evaluation of Emulex OneCommand Manager Software

Upcoming Speaking Engagements

Ethernet Technology Summit - February 23-24, 2011

Dennis Martin, President of Demartek, will present two tutorials at the Ethernet Technology Summit in Santa Clara, California on February 24, 2011. These sessions are:

- Thursday, February 24, 8:30 a.m. - 10:50 a.m.: **Unified Storage Networking**
- Thursday, February 24, 2:00 p.m. - 3:20 p.m.: **Bringing Storage into the Ethernet Era (Panel)**

Merry Christmas!

This is a great time of year to reflect back on the year and spend some time with family and friends, focusing on the reason for the season. We wish you all happy holidays, Merry Christmas and a Happy New Year!

Dennis Martin
Demartek