

# Demartek Lab Notes – February 2011



Real-world, Hands-on  
Research & Analysis

## Lab Notes

February 2011

### Welcome



Welcome to the **Demartek Lab Notes**, our monthly newsletter. This newsletter contains a few links to our recent lab evaluations, articles and upcoming speaking engagements. We have plenty of news this month, including our growth! We continue to work on a variety of technology projects, both public and private.

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### Public Evaluations and Presentations

#### [Demartek Publishes Evaluation of QLogic-HP SSCM Software](#)

There has been much confusion and discussion about the ease of installation and the ease of use of Fibre Channel storage. Some technology professionals, after looking at Fibre Channel storage technology, have decided that it is too complicated and have concluded that deploying iSCSI storage, running over Ethernet, would be simpler. Although Ethernet may be ubiquitous, many network administrators have little knowledge or experience managing storage. Basic storage management knowledge is needed to successfully manage storage regardless of the interface to the storage. QLogic Corporation commissioned Demartek to evaluate the ease of installation and the ease of use of HP StorageWorks Simple SAN Connection Manager (SSCM) enterprise software that QLogic developed for HP as part of the HP StorageWorks H-series Fibre Channel switch portfolio. SSCM enterprise software provides a simple, wizard-based procedure to configure and manage Fibre Channel SAN agent components, including host bus adapters, Fibre Channel switches, and storage arrays. SSCM allows a complete Fibre Channel SAN to be deployed in minutes.



#### [Demartek Presents SSDs at February 2011 RMWTUG Meeting](#)

Dennis Martin, President of Demartek, spoke at the February 2011 Rocky Mountain Windows Technology User Group (RMWTUG) meeting held at the Denver-area Microsoft Store. In his presentation, Dennis provided an overview of the architectures and technologies of solid state storage devices, including some of the physics of NAND flash and power consumption comparisons with spinning hard disk drives. Dennis discussed the difference between deploying SSD technology as a cache and as primary



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storage, highlighting the advantages of each deployment style. Dennis also shared how SSD technology can move the bottleneck from storage to other areas of I.T. infrastructure. In the last part of this presentation, Dennis included some of the recent results from his solid state storage performance testing of a web server using Microsoft Server 2008 R2 and IIS 7.5 in the Demartek lab.

## Demartek is Expanding

Meet Demartek's newest member, Jeff Giedt. Jeff Giedt joined Demartek as a Systems Analyst in 2011. Jeff has worked in the IT industry since 1994 in systems administration and systems integration. He has managed environments ranging from development labs and end users up to large, mission critical service deployments in enterprise class production datacenters. Jeff has experience with companies ranging from small software development labs to Sun Microsystems and Oracle.



We're excited to add Jeff to the [Demartek team!](#)

## 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 \(Panel\)](#)

### **Storage Networking World Spring 2011 – April 4-7, 2011**

Dennis Martin, President of Demartek, will present three sessions at the Storage Networking World (SNW) Conference in Santa Clara, California, April 4-7, 2011. These sessions are:

- Monday, April 4, 9:20 a.m. – 10:05 a.m.: [Deep Dive on SSD](#)
- Monday, April 4, 11:10 a.m. – 11:55 a.m.: [Unified Storage Networking](#)
- Tuesday, April 5, 10:45 a.m. – 11:30 a.m.: [I/O Virtualization - The Next Virtualization Frontier](#)

## Upcoming Events

Be sure to catch some of our upcoming speaking engagements, where we often share test results from our lab work. We hope to see you at some of these industry events!

Dennis Martin  
Demartek