

Demartek Lab Notes - January 2011



Real-world, Hands-on
Research & Analysis

Lab Notes

January 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. At Demartek, we are continuing to analyze SSD technology and perform application workload testing. Visit our [Lab Validation Testing Page](#) for additional information.

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Public Evaluations

[Demartek Publishes Evaluation of LSI WarpDrive Performance](#)

LSI Corporation commissioned Demartek to evaluate their WarpDrive Acceleration Card, a solid state storage implementation that plugs into the PCI-Express® (PCIe) bus in a server. The purpose of this evaluation was to compare the performance of a web server using WarpDrive for web content storage versus HDD. We achieved tremendous web server performance, very quick response time and low power consumption with the LSI WarpDrive card. We had to move to our 10GbE network to get the full performance of the WarpDrive, achieving **more than 100 million web hits in 90 minutes.**



Demartek Commentary

[Demartek Comments on the Consumer Electronics Show in January 2011](#)

I spent this past weekend attending the Consumer Electronics Show (CES) 2011 in Las Vegas. Although this is not a datacenter event, I spent a full day there looking at technologies that were interesting to me personally.



[Demartek Puts SSDs Into Production](#)

We have been testing SSD technology for quite a while in our lab, so I decided that it was time to put some SSDs into production at Demartek. Over the 2010 Christmas and New Year's holidays, we installed SSDs as boot drives in the desktop computers of all

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our staff, as well as in our production file server.

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:

- [Unified Storage Networking](#)
- [Deep Dive on SSD](#)
- [I/O Virtualization - The Next Virtualization Frontier](#)

Upcoming Testing Activities

Here at Demartek, we have an exciting array of projects scheduled for 2011, with topics ranging from Solid State Storage to Virtualization. Look forward to more articles and reports on www.demartek.com in the upcoming year.

Dennis Martin
Demartek