

# Demartek Lab Notes – January 2012



## 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 had a great 2011 and are gearing up for a busy and what looks to be very interesting 2012.

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## Demartek News

### [Demartek Publishes NetApp Multi-Protocol Storage Evaluation](#)

NetApp commissioned Demartek to evaluate its FAS3240, one of the members of its full line of unified storage solutions, for its ability to handle a full load of mixed traffic types simultaneously.

One of the advantages of the NetApp Unified Storage solutions is that these end-to-end solutions support a full range of Ethernet and Fibre Channel storage protocols including NFS, CIFS, iSCSI, Fibre Channel and FCoE across the entire FAS and V-Series product family from entry to high-end systems, with the same core software and management software. The Ethernet protocols, NFS, CIFS, iSCSI and FCoE are supported on a single connection at 10Gb speeds and Fibre Channel is supported at 8Gb speed on a separate connection. In addition, because of the advanced features of Data Center Bridging (DCB) for Ethernet, NetApp supports the ability to allocate bandwidth to different traffic types within the Ethernet environment, separating the FCoE traffic from the NFS, CIFS and iSCSI traffic.



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## [Demartek Adds Small, Fast Server to its Test Lab](#)

Demartek announces the addition of a new small, fast server that will augment its virtual server and I/O testing capabilities. This server includes one Intel® Xeon E3-1280 ("Sandy Bridge") 3.5GHz four-core processor that supports hyper-threading, the new AES instructions and I/O device virtualization (Intel VT-d). With 32GB of DDR3 RAM, this new server is capable of running operating systems and applications in physical environments or can be used to run a few virtual machines in environments such as VMware®, Hyper-V™ and other virtual server environments.

## Demartek SSD Giveaway

Demartek is giving away another SSD - a [SMART Modular XceedIOPS 100GB SATA SSD](#), which features enterprise MLC (eMLC) flash. We will randomly draw a name from our newsletter subscribers for a new SSD giveaway on February 29, 2012. Please watch [our website](#) for additional details.

This drawing is open to residents of the United States only. Employees of Demartek, their immediate family members, and any previous drawing winners are not eligible for this drawing.

## SSD Deployment Guide to be Published in February



The **Demartek SSD Deployment Guide** will be published in February. This is the second in our series of **Demartek Deployment Guides**, the first being the [Demartek iSCSI Deployment Guide](#), which was published in 2011.

For participating vendors there will be a special, vendor-specific section of this guide that will provide in-depth content such as management, performance, ease of use, and other topics.

## Top Ten Most Popular 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 9:



1. [Demartek Storage Networking Interface Comparison](#)
2. [Demartek Presents Robocopy at March 2011 RMWTUG Meeting](#)
3. [Demartek Publishes Exchange Server 2003 vs 2007 vs 2010 I/O Comparison Summary](#)
4. [Demartek SSD Primer](#)
5. [Demartek Low Latency Evaluation of Fibre Channel, iSCSI and SAS Host Interfaces](#)
6. [Demartek iSCSI Deployment Guide 2011](#)
7. [Demartek Publishes Evaluation of LSI WarpDrive Performance](#)
8. [Demartek Shares Benchmark Output File Formats](#)
9. [Demartek SSD Zone](#)
10. [Demartek SSD Giveaway](#)

Be sure to check back every Monday to see which reports have been the most popular!

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### Demartek Commentary on the Consumer Electronics Show 2012

I spent two days at this year's Consumer Electronics Show (CES 2012) looking for technologies and products that bring consumer and datacenter technologies a little closer together. We are seeing the "Consumerization of IT" in many areas and I wanted to get a glimpse of not only what is available now but what is coming this year or in the not too distant future. Read my [CES 2012 Commentary](#).

Best wishes for a great new year!  
Dennis