



Demartek Lab Notes – June 2012




Demartek
Real-world, Hands-on
Research & Analysis

Lab Notes

June 2012

Follow us on [twitter](#)  [View our profile on LinkedIn](#)

Demartek News

[Demartek Evaluation of Broadcom BCM957810 10 Gb FCoE/iSCSI and IP Networking Adapter](#) 
IT administrators are facing an increasing number of operating systems and/or applications installed in their data center servers. With these additions comes the need for network and storage adapters that can support multiple protocols. Demartek tested Broadcom's BCM957810 10Gb Adapter in comparison with other industry leading adapters and has published their findings [here](#).

[SSD Deployment Guide Stats for First 30 Days](#)
The Demartek SSD Deployment Guide was downloaded more than a thousand times within the first 30 days that it was available. Click the link above to read our thoughts on the subject.

[Demartek Evaluation of Texas Memory Systems High-Performance Oracle RAC Reference Architecture](#)
Recent innovations in networking and storage technologies can help alleviate bandwidth issues for high traffic applications. Demartek recently tested Oracle's RAC Reference Architecture using 16 Gbps fibre channel and SSD technology and has published the compelling results for you [here](#).

[Demartek Evaluation of GridIron's High-Performance MySQL Cluster Reference Architecture](#)
We recently teamed up with Brocade to investigate new computing infrastructure concepts. Brocade's High-Performance MySQL Cluster Reference Architecture using 16 Gbps fibre channel as well as using SSD technologies

In This Issue

[SSD Deployment Guide Statistics](#)

[Upcoming Speaking Engagements](#)

[Demartek Top Ten](#)

[Word from the President](#)

Quick Links

[All News & Reports](#)

[Video Library](#)

[SSD Zone](#)

[Demartek RSS Feed](#)

[Contact Us](#)

Demartek Lab Notes – June 2012

presented some valuable ways to improve performance, lower costs and dramatically condense infrastructure footprints. See about what we tested and what we discovered [here](#).

[Demartek Presents Everything You Wanted To Know About Cabling, But Were Afraid To Ask](#)

Demartek is partnering up with Emulex to discuss 10GbE I/O connectivity. This special webcast will take place on Wednesday, June 13th and you can register to attend by following this [link](#).

[Demartek Participates in Tweet Chat](#)

On Friday, June 15th, Dennis Martin, President, will be participating in a "Tweet Chat" conversation about some of the topics to be discussed at Storage Decisions Chicago. To get all the info see our [webpage](#) with all the details.

[Demartek Upgrades Lab](#)

Demartek recently upgraded its server room to include many new testing capabilities. Click the link to read the article and visit our page discussing the recent changes.

The Demartek SSD Deployment Guide Statistics



The [Demartek SSD Deployment Guide 2012-Q2](#) has been available since April 19th. Since then we have been pleased with the response from readers as well as pleased with the number of views it has received. This guide is designed for managers and technical professionals within IT departments who are exploring the possible benefits of SSD technology or who are looking for actual deployment examples of SSD storage solutions. The Demartek SSD Deployment Guide is designed to provide basic information about SSDs and practical guidance for planning and deploying SSD technology and products.

Our web logs indicate that our SSD guide has not only been downloaded over **1,000** times, but that it has reached people from all over the globe, and in all walks of life. This, to us, is a shining moment. It shows us that the information it contains not only pertains to those in the IT world, but the knowledge and validation it provides stretches to people who have desire to make their businesses, big or small, work as smoothly and efficiently as possible.

Thanks to all those who have taken the time to read the report and we hope it has been informative and helpful with whatever you may use it for. For those that have yet to read it, it's as simple as clicking the link at the beginning of this article. Join our readers, click the link, and see what all the talk is about!

Upcoming Speaking Engagements

Demartek Lab Notes – June 2012

[Demartek Presents Everything You Wanted To Know About Cabling, But Were Afraid To Ask](#)

Demartek is teaming up with Emulex to bring you an informative Webcast pertaining to anything and everything cabling. With all the options available today, picking the right setup can be somewhat of a daunting task. Head on over to our [webpage](#) to get all the details and to sign up to take part in this exciting discussion.



Demartek
Events

[Demartek Participates in Tweet Chat for Upcoming Storage Decisions Conference in Chicago](#)

Want to hear about topics that will be discussed in the upcoming Storage Decisions Conference in Chicago before you go? Can't make it to the Conference in Chicago? Either way this event is for you. Follow [#SDCHI12](#) on Twitter to get the latest news, and check out our [page](#) to get all the details. We hope you join us on June 15th and help us make this a great chat.

[Demartek to Present SSD Technologies and Next-Gen Data Center Innovations at the Storage Decisions Conference](#)

Dennis Martin will present two sessions at Storage Decisions Chicago, June 19-20, 2012.

Innovations in Storage Networking: Next-Gen Storage Networks for Next-Gen Data Centers

With 10 Gigabit Ethernet (10GbE) about to proliferate in data centers, and storage technologies such as scale-out and grid architectures adding stress to storage networks, it's time to rethink your storage network infrastructures-whether they're Ethernet or FC based. During this informative conference, Dennis Martin will expand on converged networks pros and cons, I/O bandwidth capabilities, the future of Ethernet and Fibre Channel, and a whole lot more.

Where (and How and Why) to Implement Solid-State Storage

This session will help you find the best fit for solid state storage--in servers, in hybrid arrays, in all-flash arrays, as caching devices (server or networked based) and so forth. We'll describe all of the current choices, discuss the pros and cons of each, and then help you determine which approach will give your company the biggest bang for its solid-state storage buck.

[Click Here](#) to get the complete agenda and registration information for Storage Decisions Chicago 2012 presented by TechTarget. Stay up to date with the latest [Demartek Twitter news](#) for this seminar by following [#SDCHI12](#).

[Demartek Presents Solid State Storage Half-day Seminars](#)

In a relatively short time, solid-state storage has become a viable alternative for enterprise storage applications. It offers far superior performance over magnetic media while using much less power and creating little heat. Solid-state storage is, however, still considerably more expensive than spinning disk, so a cost-effective approach to implementation is required. In this free, multi-city, half-day seminar, Dennis Martin, President of Demartek, will cover the key solid-state technologies and the specs that

Demartek Lab Notes – June 2012

users need to know, along with the various implementation alternatives.

Remaining Cities and Dates for these 2012 Half-day Seminars are:

- Thu. Sep. 13 - San Diego, CA
- Tue. Oct. 23 - Washington, DC
- Thurs. Oct. 25 - Cleveland, OH
- Thurs. Nov. 1 - St. Louis, MO

[Click Here](#) to get the complete agenda and registration information for these free half-day TechTarget Solid State Storage Seminars. Stay up to date with the latest [Demartek Twitter news](#) for this seminar by following [#SSDseminar](#).

Demartek Upgrades Testing Lab

Demartek announces the upgrade of its lab and the addition of new resources and capabilities. The Demartek lab has been expanded with additional rack space, additional electric power and upgraded air conditioning. In addition we have added the following resources:

- A second large memory server with 12 cores, 24 threads and 144GB RAM
- A Nimbus Data all-flash storage array with 8Gb Fibre Channel, 10Gb iSCSI and 56Gb Infiniband host interfaces
- 16Gb Fibre Channel infrastructure
- Our own WAN connection for testing remote storage, replication and other similar functions

To read more about the recent upgrade, visit our [Demartek Lab Testing](#) page.

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 June 11th:



1. [Demartek SSD Deployment Guide](#)
2. [Demartek Publishes Texas Memory Systems High-Performance Oracle RAC Architecture](#)
3. [Demartek Publishes Exchange Server 2003 vs 2007 vs 2010 I/O Comparison Summary](#)
4. [Demartek Storage Networking Interface Comparison](#)
5. [Demartek Presents Robocopy at March 2011 RMWTUG Meeting](#)
6. [Demartek SSD Zone](#)
7. [Demartek iSCSI Deployment Guide](#)
8. [Demartek Low Latency Evaluation of Fibre Channel, iSCSI and SAS Host Interfaces](#)
9. [About Demartek](#)
10. [Demartek Publishes GridIron High Performance MySQL Cluster Reference Architecture](#)

Demartek Lab Notes – June 2012

Be sure to check back every Monday to see which reports have made the Top Ten List.

A Word from the President



We have been quite busy lately, as you can see from this month's newsletter. As we move towards summer, we look forward to sharing more interesting lab results with you.

I look forward to speaking with and meeting many of you this month via online meetings this week or at the Storage Decisions Conference in Chicago!

Dennis Martin, President, Demartek