

## Demartek Lab Notes

Real-world, Hands-on Research & Analysis

April 2013



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### Demartek News

#### [Demartek Comments on 16Gb Fibre Channel and Backward Compatibility](#)

We have been testing 16 Gb Fibre Channel (16GFC) for more than a year, and were curious about backward compatibility. This vendor-neutral commentary provides results of our testing with 16GFC, 8GFC, 4GFC and 2GFC technologies. This discussion includes how we connected 2GFC into our 16GFC fabric, and the related support issues for this. We also discuss Fibre Channel history and roadmap.



### Quick Links

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#### [Demartek Updates Storage Interface Comparison Webpage](#)

We have updated our popular "Storage Interface Comparison" page with new roadmap information for Fibre Channel, FCoE, InfiniBand, USB and several other interfaces. Fibre Channel comments include information about the progress of 32GFC and the interest in a "four-lane" (quad) Fibre Channel connection. FCoE comments include discussion of the FC-BB-6 specification and the VN2VN technology. If you haven't checked this page in a while, you may find some charts and diagrams that you haven't seen before. Feel free to link to this vendor-neutral page, as several other large and small companies have. You can find our storage interface comparison page by entering "storage interface comparison" in your favorite search engine, or click [here](#).

#### [Demartek Makes SNW Presentation Slides Available](#)

The slides for Dennis Martin's presentations at Storage Networking World Spring 2013 in Orlando (SNWUSA) are now available. These presentations included topics such as 16Gb Fibre Channel performance, 10Gb Ethernet, SR-IOV and NPIV. Future directions for Ethernet and Fibre Channel were also discussed.

1. Analyst Perspective and Test Lab Report: 16Gb Fibre Channel Performance

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and Recommendations

2. Analyst Perspective: Next Generation Storage Networking for Next Generation Data Centers.

The slides can be viewed on the Demartek website [here](#).

### Demartek Integrates Aurasma App Marketing

If you use an Android or Apple mobile telephone, you may be interested in some special technology just for you. Demartek has registered a special image that works with the free "Aurasma" app. To learn some interesting things about Demartek, download the free Aurasma app to your Android or iPhone. When the app is installed, search for Demartek and then "follow" us in Aurasma. Then point your phone's camera to the image below and watch what happens. If you like what you see, you can "like" us in Aurasma. This image is also on the back of Demartek business cards effective April 2013.



### Demartek Speaking Engagement



Dennis Martin, Demartek President, will be speaking again at the Storage Decisions Chicago conference in June. He will be giving two sessions covering the ways to deploy solid state storage, ways to evaluate solid state storage including caching solutions and primary storage solutions. He will also discuss the current state of the art and

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emerging technologies. Look for Dennis on June 11 in Chicago. To view session abstracts and other details, click [here](#).

- June 11, 1:15pm - 2:15pm: [Solid-State Storage is Everywhere - But Where Does it Work Best?](#)
- June 11, 2:25pm - 3:25pm: [Solid-State Technology - What's New?](#)

Click [here](#) to register for the Storage Decisions Conference 2013 in Chicago, IL.

### 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 April 8th:



1. [Demartek Presents Robocopy at March 2011 RMWTUG Meeting](#)
2. [Demartek Storage Networking Interface Comparison](#)
3. [Demartek Publishes Exchange Server 2003 vs. 2007 vs. 2010 I/O Comparison Summary](#)
4. [Demartek Evaluation of Cisco Multi-protocol and Multi-topology Latency and Connectivity](#)
5. [Demartek STEC s1120 PCIe Accelerator and EnhanceIO SSD Cache Software Evaluation](#)
6. [Demartek SSD Zone - Solid State Disk Resources](#)
7. [Demartek Identity Theft Prevention Tips and Commentary \(Spanish Language Version\)](#)
8. [Demartek Evaluation of VeloBit SSD Caching Software](#)
9. [Demartek Low Latency Evaluation of Fibre Channel, iSCSI and SAS Host Interfaces](#)
10. [Demartek News and Reports](#)

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

### Word from the President

We love to put new technology through its paces to see what it can do. This is true for enterprise storage systems and technology and other datacenter hardware and software. We also do like to have some fun along the way, so be sure to check out the smart phone app mentioned above. I really do look forward to events where I can speak with vendors of technology and users of technology, and I look forward to seeing you or hearing from you.



Dennis Martin, President, Demartek

### Newsletter Sign-Up

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