Demartek Lab Notes – February 2013

Demartek Lab Notes

Real-world, Hands-on Research & Analysis

February 2013

Demartek News

Dennis Martin Discusses Data Center Storage Bottlenecks

Recently, Dennis Martin participated in an interview for SearchDataCenter as part of their Expert Q&A series about today's data centers and different areas where bottlenecks tend to occur. To read the full interview and see answers to your data center storage bottleneck questions click **here**.

Demartek Speaking Engagement

Events & Speaking

SNW Analyst Perspective:
16Gb FC Performance & Recommendations

The future of Fibre Channel is now.

4Gb

8Gb

16Gb

Explore >>

2013 is anticipated to be the year for strong adoption of updated storage networking

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technologies. This will include 16Gb Fibre Channel and 10Gb Ethernet. Newer I/O virtualization technologies such as NPIV with virtual Fibre Channel for Windows Server 2012 Hyper-V and SR-IOV for Ethernet on VMware and Hyper-V are just a few. In addition, for those doing long-term datacenter planning, newer technologies on are the horizon and cable and connector technologies need to be considered. These three sessions at Storage Networking World Spring 2013 will provide the latest information on these important storage technologies.

- April 2, 2:10pm - 2:50pm: **Analyst Perspective and Test Lab Report: 16Gb Fibre Channel Performance and Recommendations**

- April 2, 4:10pm - 4:50pm: **Analyst Perspective: I/O Virtualization - The Next Virtualization Frontier**

- April 2, 5:00pm - 5:40pm: **Analyst Perspective: Next Generation Storage Networking for Next Generation Data Centers**

Click **here** to register for the SNW USA Spring 2013 conference in Orlando, FL.

Deployment Guides

We have begun work on two new Demartek Deployment Guides: the **Demartek iSCSI Deployment Guide 2013** and the **Demartek SSD Deployment Guide 2013**. These two deployment guides will be similar to previous guides, but updated for 2013 with new technical information, new workload examples, new applications, new virtual server environments and more. If you have a technology that should be included in these guides, we would love to chat with you. All of our newsletter subscribers will be notified when these guides become available. Our first two Demartek Deployment Guides have been very popular.

Since its original publication in May 2011, the **Demartek iSCSI Deployment Guide 2011** has been downloaded more than 4600 times by real people. The **Demartek SSD Deployment Guide 2012-Q2**, published in April 2012, has been downloaded more than 2300 times by real people. One of the end-users who downloaded our SSD Deployment Guide was the "**Executive Office of the President**" (yes, the one in Washington, DC).
Each of these two guides were very well received, each receiving more than 1000 downloads from real people within the first thirty days that they became available. There are highlight videos for each of these guides on our **YouTube Channel**.

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 February 11th:

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 Low Latency Evaluation of Fibre Channel, iSCSI and SAS Host**

    Interfaces
5. **Demartek iSCSI Deployment Guide**
6. **Demartek SSD Zone - Solid State Disk Resources**
7. **Demartek SSD Deployment Guide**
8. **Demartek News and Reports**
9. **Demartek Lab Validation Testing**
10. **Demartek Monthly Browser Usage Statistics**

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

Word from the President

2013 is off to a busy start with many new storage and networking technologies coming to market. We continue to be excited about the opportunities to test these technologies.

As we are sending this newsletter on Valentine's Day, don't forget to step away from the computers and spend some time with loved ones.

Dennis Martin, President, Demartek

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