

Demartek Lab Notes – June 2011



Real-world, Hands-on
Research & Analysis

Lab Notes

June 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. We're finding increasing interest in real-world testing in virtualized server environments for both VMware and Hyper-V, using various host interfaces and differing storage device types. Also, our [iSCSI](#)

[Deployment Guide](#) has been very popular, rising to the number one article in popularity this past month.

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Recent Articles

[Demartek Adds Large-Memory Server to its Test Lab](#)

Demartek announces the addition of a large-memory server that will augment its virtual server and I/O testing capabilities. This server includes two Intel® Xeon X5680 ("Westmere") six-core processors that support hyper-threading, for a total of 24 logical processors. With 144GB of DDR3 RAM, this new server is capable of running many virtual machines and will be used for VMware®, Hyper-V™ and other virtual server environments running real-world applications, boot storms and more.



[Demartek Publishes Article on the Hyper-V P2V Conversion Process and Storage Considerations](#)

There are various reasons why it may be necessary to convert physical systems directly into virtual machines (VMs). Aging, out-of-warranty or failing hardware may necessitate such a migration, as may the simple need to consolidate underutilized systems to reduce operating costs. It is certainly possible to manually build guest VMs and migrate the applications and resources from the physical systems over to them, but this can be a time-consuming and error-prone operation. A simpler alternative is to perform a physical to virtual (P2V) migration to get these servers into a virtualized server environment. Here we'll discuss Hyper-V P2V conversion, as well as the storage considerations around such a conversion.

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Top Ten Most Popular Demartek Pages and Reports

We have a new 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 27:



1. [Demartek iSCSI Deployment Guide 2011](#)
2. [Demartek Storage Interface Comparison](#)
3. [Demartek Presents Robocopy at March 2011 RMWTUG Meeting](#)
4. [Demartek Publishes Exchange Server 2003 vs 2007 vs 2010 I/O Comparison Summary](#)
5. [Demartek SSD Zone](#)
6. [Demartek Publishes Evaluation of LSI WarpDrive Performance](#)
7. [Demartek Publishes Evaluation of LSI MegaRAID CacheCade Performance](#)
8. [Demartek iSCSI Zone](#)
9. [Demartek Publishes Evaluation of LSI MegaRAID FastPath Performance](#)
10. [Demartek News](#)

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

iSCSI Video



Thanks to everyone who viewed our [Demartek iSCSI Initiator Video](#) on YouTube. This funny video shows the Microsoft iSCSI Initiator from the perspective of a ten-year old girl and has been very popular!

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