



Intel® ESAA Newsletter - August 2008

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New Intel® ESAA Case Studies

Read success stories from Intel® ESAA members Stronghold Data and Yuehai Yangbo Science and Technology Center:

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Top 5 Recipe Downloads – August 2008

- [VMware* Infrastructure* 3 Installation Guide for ESX 3.5 - Intel® Server Board S5000PAL](#)
- [Intel® Storage Qualifications](#)
- [VMware* Infrastructure* 3 Installation Guide for ESX 3.5 - Intel® Modular Server](#)
- [VMware* Infrastructure* 3 Installation Guide for ESX 3.5 - Intel® Server Board S5000PSL](#)
- [Wasabi* Storage Builder* for IP-SAN Installation Guide - Intel® Storage Server SSR212MC2](#)

TSANet Membership Reminder

The Technical Solutions Alliance Network (TSANet) is the Intel® ESAA program's organization of choice to facilitate seamless global collaboration between reseller/OEM and IxV members. **Membership in TSANet is a requirement for all Intel ESAA program members and is FREE for resellers/OEMs.** Please review your TSANet membership documents and membership status. If there are changes to personnel, phone numbers, locations or any other company information, please provide updates to Mayhre Brockway (mayhre@tsanet.org). To learn more about pre- and post-sales support in TSANet or to enroll, visit: <http://www.esaa-members.com/index.php/pages/tsanet>

Intel® ESAA Member Updates:

Let VMware & Intel Help You Virtualize your Server Business

Intel and VMware invite you to join the VMware System Builder Program, designed to help you increase your virtualization expertise and accelerate your company's profitability. Through this new program, we'll help you build your own virtualized servers and broaden your solution offerings. Now you can stay ahead of your competition and be the first to introduce the benefits of virtualization to your customers! Become a VMware System Builder Partner today. Visit www.vmware.com/partners/vip/system-builders/ to learn more about the program and fill out an application.

Virtual Disks Servers from DataCore: Robust, High-Performance, Economical Subsystems

DataCore recipes transform Intel® servers into virtual disk servers that outperform

and deliver richer storage functionality than top-of-the-line custom built storage subsystems. You can inexpensively package virtual disk servers using DataCore SANmelody shrink-wrapped storage virtualization software to reap nice profits and penetrate price-sensitive segments.

Technology Overview: DataCore's portable software provides superset of the features typically delivered as embedded firmware in high-end disk arrays. For entry level requirements, we've documented a single iSCSI Virtual Disk Server recipe on Intel Server Boards S5000VSA, S5000PSL, and S5000PAL. For more sophisticated needs, where single points of failure cannot be tolerated, use our High-Availability iSCSI Virtual Disk Server recipe. Again, it has been qualified on the same server boards. The "HA" configuration enables all important storage-related measures to be taken without disrupting applications. High-speed caching, load-balancing, RAID-striping, online snapshots, local and remote data replication and thin provisioning comprise the main functions. These features make possible high-availability configurations, live migrations and fail-over of physical/virtual machines. They also rapidly restore point-in-time images for online backups, development, testing and disaster recovery, while improving the I/O performance obtained from conventional disks. Either configuration can pool up to 32 TBs of disk capacity for Windows, Unix, NetWare, Linux & MacOS computers.

Prerequisites: The SANmelody software runs on Windows Server 2003. Any disks and host bus adapter combination qualified for Windows Server 2003 can be configured in the back-end storage pool. The virtual disk server looks like a set of iSCSI target LUNs to end consumers. Fibre Channel may also be used for the front-end SAN connections and our software products can also run on virtual machines.

Contact Us: After you've had a look around our website, www.datacore.com, please give me a call at (954.377.6114) or e-mail me at augie.gonzalez@datacore.com. Augie Gonzalez - Product Marketing Manager, DataCore Software

DAS to SAN Migration in No Time with StorMagic

Many organizations find that the amount of data they need to store is rapidly increasing, often by at least 60% per year. And while iSCSI SAN storage is attractive to organizations over DAS disk drives for storage, fears about implementation of the SAN and data migration can be a significant barrier to adoption. Fortunately, StorMagic offers a powerful migration solution that allows organizations to scale their iSCSI SAN as capacity demands increase and additional storage is needed. And, most importantly, this process can be done without requiring any server downtime or disruption to business. Migration software running on a Windows server allows storage volumes to be migrated from a DAS disk drive to a new StorMagic iSCSI virtual disk. After the switch, the StorMagic disk assumes the role of the original disk. Once the volume is on a StorMagic disk, it can become an auto-grow disk – automatically growing as it fills up.

To learn more about the powerful migration technology that StorMagic offers, please visit

<http://stormagic.com/whitepapers/pdf/Implementing-an-iSCSI-SAN-DAS-to-SAN-Migration.pdf>

Virtual Iron Introduces Version 4.4 with LivePower™

Intel ESAA solution provider Virtual Iron announced new power management capabilities in the latest version of its software this month. Version 4.4 extends Virtual Iron's virtual infrastructure management capabilities with the addition of LivePower, a new feature that automatically optimizes power usage to deliver significant cost-savings and environmental benefits across the data center. For more information, visit www.virtualiron.com.

LivePower optimizes power consumption by monitoring resource utilization in the virtual data center. When there is excess CPU capacity, LivePower consolidates VMs onto fewer physical servers and shuts down the remaining devices based on pre-

defined policies. When the VM load increases beyond pre-defined thresholds, LivePower turns physical servers back on and live migrates VMs to rebalance the virtual data center and ensure that resource requirements and service levels are met. As costs for power, cooling, and server-room space become larger considerations for growing businesses, Virtual Iron LivePower can help those organizations meet their business goals while keeping expenses in. It can also allow more systems to be safely deployed on a given rack, within the same power envelope.

Virtual Iron also became the first server virtualization software provider to announce support for Intel® Dynamic Power Node Manager, which will be available with Intel® Next Generation Platform (Nehalem-EP).

New Release Available of Desktop Virtualization Solution from Ericom

This latest release of PowerTerm WebConnect, version 5.6.1, provides numerous management enhancements for the virtualized desktop environment. For SMBs and enterprises, Ericom's PowerTerm WebConnect, provides secure local and remote access to Windows Terminal Servers, Virtual Desktops, Blade PCs and legacy hosts. As a platform and hypervisor agnostic solution, PowerTerm WebConnect supports 15 hypervisor environments. This wide range of support empowers organizations to standardize on a single solution for the management and delivery for server-based applications and virtual desktops.

With centralized management, PowerTerm WebConnect reduces the cost and complexity of traditional desktop management – applications and virtual desktops are managed and delivered from within the datacenter. PowerTerm WebConnect delivers a uniform and seamless application and desktop access experience to users, wherever they are – at home, their office or on the road for optimal productivity.

Download Ericom's PowerTerm WebConnect Recipe today: www.intel.com/go/esaa
For more information on Ericom's solutions, visit www.ericom.com/VDI
Visit Ericom at VMworld in Las Vegas, Sept 15-18, Booth #547

Need to show potential customers the value of virtualization in hard dollars?

Parallels has a new tool that allows you to create a Parallels Virtuozzo Containers TCO Assessment Report for your customers and prospects. The Parallels Virtuozzo Containers TCO Calculator projects the potential investment and savings of consolidating multiple application workloads on virtualized server environments. Parallels Virtuozzo Containers empowers organizations to meet the increasing demands on their IT infrastructure by creating isolated containers on a single physical server and OS instance. Compared to other virtualization technologies, Virtuozzo Containers offers the highest levels of density, performance and manageability.

This tool was developed by Alinean, Inc., leaders in IT Value Measurement. The results in this report are based on user input and industry research by Alinean, including case studies of Parallels customer environments. You can register and manage reports in your profile as you prepare for different opportunities. In 'Analysis Options' you can document for whom the report was prepared and fill in your information as well.

Access the tool below and start selling!

https://roianalyst.alinean.com/ent_02/AutoLogin.do?d=671071742826428966

More information on Parallels Server Virtualization Solutions:

www.parallels.com/en/virtualization/server/

Maximizing Clustering and Storage Productivity with Mellanox

Mellanox Technologies is a leading supplier of semiconductor-based, interconnect products to world-class server, storage, and infrastructure OEMs servicing Fortune 500 data centers, the world's most powerful supercomputers, and mission critical

embedded applications. Utilizing proven networking, clustering, storage, virtualization and RDMA acceleration engines, Mellanox InfiniBand* and Ethernet interconnect products optimizes application performance, power consumption, workload agility, and total system efficiency while future-proofing IT infrastructure.

Mellanox 20Gb/s and 40Gb/s InfiniBand solutions deliver low-latency and high-bandwidth for performance-driven server and storage clustering applications in Enterprise Data Centers, High-Performance Computing, and Embedded environments. Clustered data bases, parallelized applications, transactional services and high- performance embedded I/O applications will achieve significant performance improvements resulting in reduced completion time and lower cost per operation. Mellanox InfiniBand simplifies network deployment by consolidating clustering, communications, storage, and management I/O and providing enhanced performance in virtualized server environments.

Mellanox 10 Gigabit Ethernet Network Interface Cards (NIC) delivers high-bandwidth and industry leading 10GigE connectivity with stateless offloads for performance-driven server and storage applications. Mellanox 10GigE adapters also support Fibre Channel over lossless Ethernet (FCoE) traffic. Designed from the ground up as an integrated single chip solution delivering all FCoE functionality, Mellanox* ConnectX* dual-port 10GigE "converged" NIC can reduce the number of adapters, cables, and switches while improving the total bandwidth available with the potential to consolidate all of the traffic types over the same Ethernet link.

For more information, please visit: www.mellanox.com

NorthSeas* Guard E/N* Vendor-Independent E-Mail Archiving Appliance - Intel® Server System SR1530AH or SR1530AHLX

This NorthSeas recipe makes it simple to create an e-mail archiving appliance out of an Intel server. There are a number of reasons why customers are deploying e-mail archiving, but one that is rapidly gaining prominence is the need to be prepared with e-mail evidence during civil litigation. New amendments to the Federal Rules of Civil Procedure (FRCP) affect any organization that might face a civil- suit. Awareness of these rules could not only help you avoid costly penalties, it might also give you a competitive position against the other party. There is an 89% likelihood of being sued (according to the international law firm of Fulbright & Jaworski), and more than 50% of civil cases include e-mail as evidence (according to MIT).

The following simplifies the new Discovery responsibilities associated with these new amendments:

Rule 16: Establishes a process for addressing issues pertaining to the disclosure of e-mail evidence.

Rule 26: Defines the responsibility to disclose e-mail evidence early in the proceedings. If you are sued, you may only be provided with as little as 30 days notice.

Rule 33: Stipulates that an interrogatory review of business records must include e-mail and other electronic documents.


Rule 34: A requesting party can specify the form of production of e-mail evidence e.g. original format vs. a printout or image.

Rule 37: Provides protection from sanctions when information is lost but requires "good faith" operations e.g. e-mail archiving system. Deleting the "smoking gun" not likely to be viewed as "good faith".

Rule 45: Imposes responsibility on a party when subpoenaed to include e-mail, even when not specifically requested.

Download this recipe today:

<http://www.esaa-members.com/index.php/recipes/recipeSummary/555>



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