

November 2011

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Coming Soon
Palo Alto Networks EDU - Webinar

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Palo Alto Networks & Riverbed
Technology - Lunch - KOP

TECH TIPS:

*Need more processing power?
Try reducing the amount of
Virtual Processors on your
Virtual Machines.*

On many occasions users report what seem to be processor performance issues with their Windows Virtual Machines running on VMware ESX hosts. The symptoms are there, sluggish performance, delayed

What's New at Comm Solutions?

Fundamentals of Storage

George B. Park, III, Storage & Data Technologies Practice Lead for Comm Solutions Company discusses the Fundamentals of Storage. Data is the lifeblood of any Company and is growing at an alarming rate. Find out how Comm Solutions evaluates companies storage needs and takes into consideration: Performance, Capacity and Cost.



[Watch the Video here](#)

Palo Alto Networks Training by Comm Solutions

We are an Authorized Training Center and offer a neutral learning environment that meets the needs of clients and end-users alike. Students attending Palo Alto Networks classes will receive the approved Palo Alto Networks course curriculum and course materials that prepare students for accreditation.



[Click here for December Training](#)

Featured Solution

Migrating to and consolidating with Microsoft 2008 R2 SMB

Windows 2008 R2 provides a number of enhancements over even Windows 2008 and certainly over Windows 2003 server.

The enhancements allow customers to consolidate servers and shares more easily - even when virtualizing Windows servers.

Some of the benefits of 2008 R2 are listed below:



response, hanging screens; but when they review the logs there doesn't appear to be an issue processor utilization often times is under 10%.

[Read Full Article](#)

WAN Optimization and Asymmetry

Asymmetry is when a packet takes one path to the destination and another path back to the source. Asymmetry is something that can be either designed into the network or is a byproduct of the design that may not have been intentional. In either case, Asymmetric routing can adversely affect your WAN optimization deployment. WAN optimization appliances rely on seeing every packet in a conversation in order to provide their optimization techniques.

[Read Full Article](#)

Did You Know....

Comm Solutions deployed over 20,000 Access Points in the past year?

Stay in touch with Comm Solutions



- Faster performance, asynchronous communications
- Increased scalability - More users and shares per volume and server
- Faster Checkdisk
- Large MTU support
- Security improvements
- DFS & RoboCopy improvements
- Networking improvements

There are a number of compelling reasons to upgrade to Windows 7.

Among them is support for SMB 2.1 and the improvements that it brings for file system performance and capacity. Required for this is storage based on Windows 2008 R2 - which in of itself provides a number of benefits.

As part of the 2008 R2 refresh SMB - the Windows file sharing protocol - was revised providing higher performance and scalability than ever before.

While SMB versions are compatible between all Windows OSes here is a matrix for what SMB version will be used between which Windows OS:

- SMB 1.0 will always be used between all Windows 2003, Vista and earlier Microsoft Operating Systems
- SMB 2.0 will always be used between all Windows 2008 and Vista SP1
- SMB 2.1 will be used between Windows 2008 R2 and Windows 7 systems

High Availability has also improved with more useful Windows failover clusters which are easier to set up and manage.

When migrating servers - especially via P2V to virtualization platforms - make sure to take the opportunity to upgrade the OS to Windows 2008 R2.

This will allow you to take advantage of all of the benefits of Windows 2008 R2 and SMB 2.1 - and move you away from SMB 1.0!

Comm Solutions is proud to partner with Microsoft - ask us for more information today!

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