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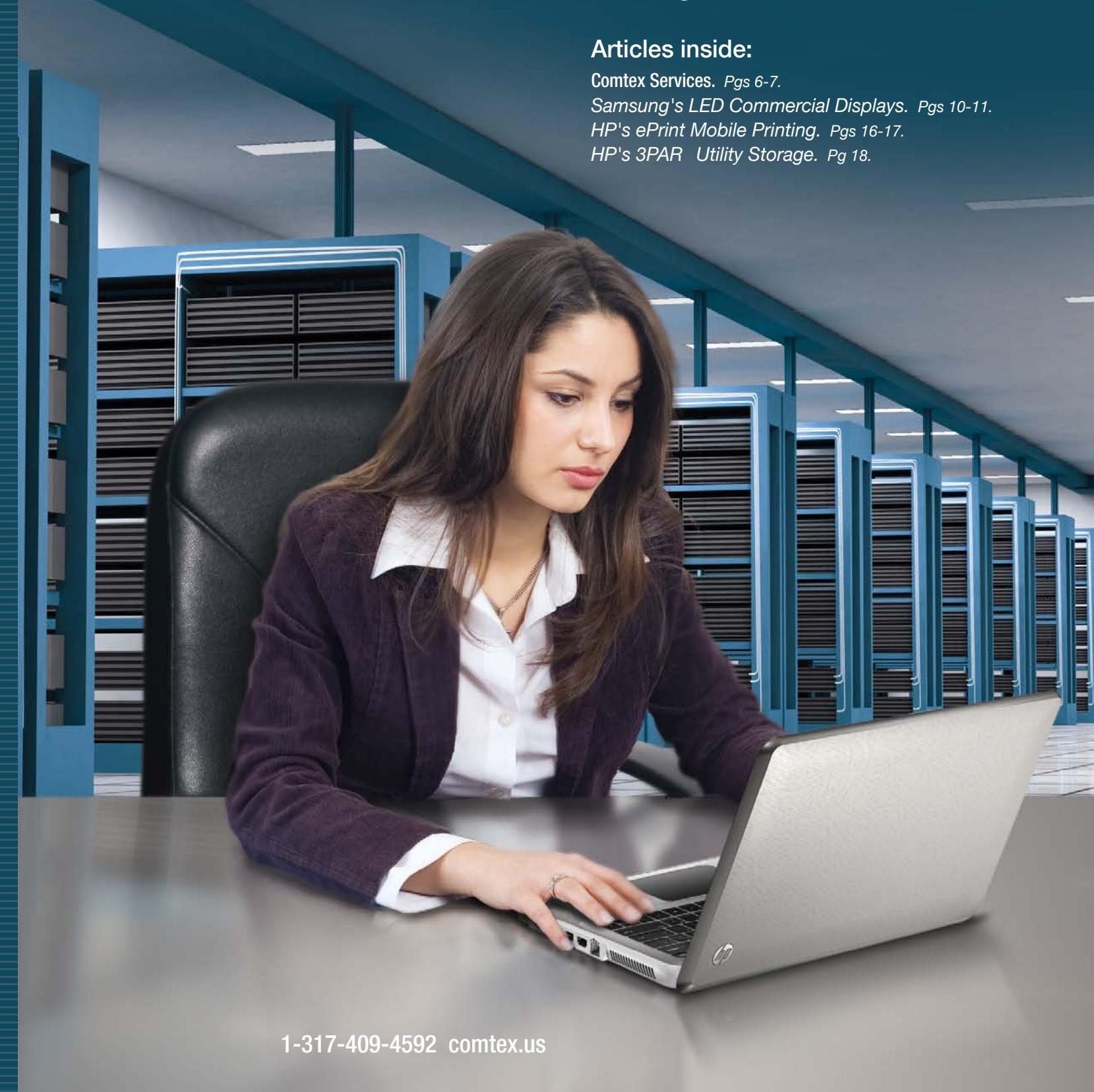
Vol. January 2011



*Technology Solutions
eProcurement
Managed Services*

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Spotlight on Managed and Hosted Services

Customized technology support services.

COMTEX Managed Services

You can reduce capital expenses and lower operational costs into a predictable monthly fee with Technology Support Services from COMTEX. We combine the best ITIL practices with decades of industry-leading skills and expertise to deliver services you can count on. Plus, our efficient monitoring and maintenance options mean we can often provide services at a lower cost than what you can perform internally.

With Managed Services from COMTEX, our technical specialists can monitor, manage and support your entire IT environment, providing a single point of contact for your technology needs. Organizations that choose managed IT services can save time, reduce operational costs, become more productive and free up resources to focus on growing their business.



Your IT Support Partner

SARCOM's Technology Support Services can be specially customized to fit your business operations. While we're the perfect complement to existing IT services, we can also bridge the widest gap in any organization to help them ensure true business continuity.

COMTEX offers graduated levels of service designed to meet the unique needs of any business. The level of management that we recommend depends upon the individual requirements of your organization. Take a look at the service packages that follow, and then call your COMTEX Account Executive to learn more about how we can develop managed and hosted services that perfectly fits your particular needs.

Essential Managed Services

Essential Managed Services are the foundation of a properly managed IT environment, offering critical monitoring and management of your server and networking infrastructure. They are designed for organizations that have skilled IT resources on staff who will be responsible for incident resolution and daily operations.

Advanced Managed Services

Advanced Managed Services fulfills the needs of businesses that require monitoring and management of their network and server infrastructure and also want COMTEX's expert engineers to take the lead on resolving technology issues 24x7x365.

COMTEX has worked with hundreds of public and private companies and agencies, so we have extensive experience in dealing with the widest array of qualifications and regulations.



Outsourced Operations Services

COMTEX's Outsourced Operations Services are the highest level of Managed IT Services that we offer. In addition to monitoring, proactive patch management and incident resolution, they provide for the full outsourcing of your daily IT operations.

Strict Standards Are No Problem

COMTEX has worked with hundreds of public and private companies and agencies, so we have extensive experience in dealing with the widest array of qualifications and regulations. We are dedicated to ensuring that every solution we implement for our clients meets their most stringent standards—and ours.

Managed Data Center Services

The hardened data center facility is designed and built to protect against security breaches and natural disasters. COMTEX will work with you to create

security-rich, controlled environments equipped with extensive high availability design features. We always develop our hosting solutions to adhere to strict standards, like the Statement on Auditing Standards No. 70, also known as SAS70 Type II Audit.

This auditing standard was created by the American Institute of Certified Public Accountants for control of IT technologies and related processes. COMTEX takes pride in providing data center operations that are fully compliant with SAS70 Type II standards. The following is an overview of SARCOM's data center facility:

Power Systems and Environmentals

- ▶ Multiple N+1 uninterruptible power supply systems (UPS)
- ▶ N+1 standby generator facilities
- ▶ N+1 chilled water plants
- ▶ APC InfraStruXure InRow cooling with N+1
- ▶ Power and cooling capacity for high-density server environments
- ▶ 24x7x365 proactive environmental monitoring systems

Service Provider Communications

- ▶ Multiple Internet provider infrastructures
- ▶ Shared Internet communications with burstable bandwidth
- ▶ Sonet, T1, DS3 and Metro Ethernet access
- ▶ Redundant Cisco-based components
- ▶ Redundant Cisco firewalls and intrusion prevention systems
- ▶ Cisco Security Monitoring, Analysis and Response System (MARS)

Fire Detection and Suppression

- ▶ FM200 waterless fire suppression system
- ▶ Multiple zone fire and smoke sensors

Physical Security Features

- ▶ Gated access to campus facilities
- ▶ Card access to buildings and data centers
- ▶ Monitored and archived video surveillance
- ▶ Hybrid polymer-coated roofing to protect against wind speeds up-to 180 m.p.h.
- ▶ Co-location suites with cage space



Hosted services from COMTEX allow you to fully leverage the power of Microsoft Communication Services for your business. We'll keep your workforce connected and productive wherever they roam.

Hosting via Microsoft Communication Services

The Microsoft Communication Services that COMTEX hosts are essential for modern businesses. Large organizations, but they can be challenging to deploy and maintain. By turning these services over to COMTEX, you no longer have to provide the space, servers, power, cooling, networking infrastructure or IT staff required to manage it all.

The cost savings can be significant, and the experience of hosted services is trans-

parent to your end users. With COMTEX hosting your Microsoft Communication Services, you can free up your workforce and your budget while deploying any or all of the following components that businesses rely on for versatile and effective communications:

- ▶ Microsoft Exchange—comprehensive e-mail and time management tools
- ▶ Windows SharePoint services—enables better-informed decisions by providing business-critical info in one location
- ▶ Microsoft Office Communication Services—virtual-presence, IM, intercompany and intracompany communications, and more
- ▶ Microsoft CRM—customer relationship management with online tracking
- ▶ Mobile access to e-mail, calendars & tasks via Microsoft and BlackBerry devices

Keep Everyone Communicating

Accelerate communications and enable better business collaboration with our Microsoft Communication Services. SARCOM hosts innovative Microsoft solutions at affordable rates for businesses of every size so they can stay focused on growth and success.

Affordable and Flexible

Call your COMTEX Account Executive today and start leveraging the power of Microsoft's newest productivity tools—including Microsoft Exchange, SharePoint and Microsoft CRM—for versatile, scalable and affordable communications and incredible cost savings.

Call 1-317-409-4592 or email info@comtex.us

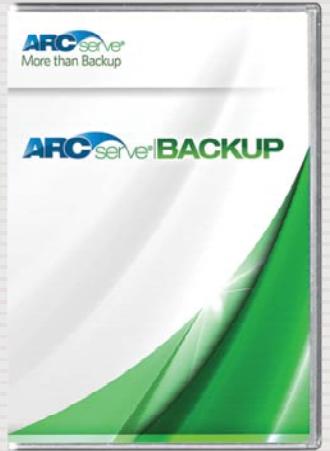
Software Solutions

COMTEX—*a leading software licensing partner.*

Volume Licensing saves you money and assists you in managing your software assets. It lets you purchase the rights to copy software onto a set number of comput-

ers while taking advantage of volume discounts and the easy management of software assets. SARCOM provides a turn-key, Web-based e-commerce solution that

allows business customers the opportunity to purchase Volume Software Licenses that save them money and keep them in compliance with copyright laws.



CA ARCserve® Backup r15

Powerful central management tools let you protect both physical and virtual servers with high-performance backup, data deduplication, infrastructure visualization and resource management, and granular restore of Active Directory objects and applications.



VMware vSphere™ 4.1

Scale to an unmatched number of virtual machines and virtualized hosts to support the build-out of private and public clouds at lower operational costs. New capabilities allow for efficient aggregation of all datacenter resources into an elastic pool of computational power.

Volume licensing solutions for every enterprise.



FileMaker Pro 11

FileMaker® Pro is the powerful, easy-to-use database software that helps you and your team get any task done faster on Windows, Mac and the Web.



Crystal Reports Server 2008

Allows you to securely share, schedule and deliver interactive reports over the Web, in e-mails and in Microsoft Office documents.



Citrix Essentials

Advanced automation and management for virtual data centers transforms them into proactive and automated delivery centers.



Autodesk AutoCAD 2011

Power projects from concept through completion with new 3D surface modeling tools, point cloud support, inferred constraint capabilities & more.



Adobe Acrobat X Pro

Create and edit cross-platform PDF files with rich media included, share information more securely, and gather feedback more efficiently.

Cables To Go Solutions
Better connectivity for better business.



Fiber Cables

Reliable standard single mode and multi-mode fiber patch cables for high tech networking from Cables To Go.
► Available in PVC, plenum and low smoke zero halogen
► Five different colors
► 62.5/125, 50/125 and 9/125 cable types
► Testers, fiber adapters, and media converters available
► Domestic manufacturing and custom cabling solutions available



COMTEX carries a complete selection of dependable Cables To Go solutions for all of your connectivity needs.

Category Cables

Cables To Go offers a wide array of copper-based solutions for network and data center applications.

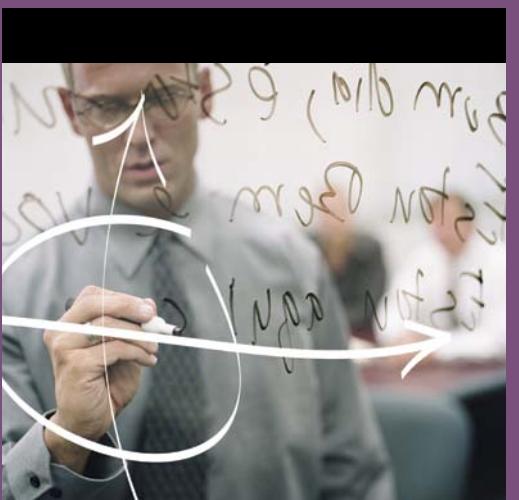
- Cat5e, Cat6, and Cat6a
- Bulk installation kits available
- Cables up to 250 feet in length
- Nine different colors



What's Your Business Challenge?

Technology

- Implementing a new technology or application
- Introducing business processes
- Educating your workforce
- Instituting changes in healthcare



Abreon is a change management partner that works with clients to drive user adoption. We help companies navigate the intersection of people and change.

With customized strategy, communication, education and support programs, we make change happen for our clients.

Call us at the number below and speak with an Abreon change adoption expert today.

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Brighten Up Any Business

Samsung's LED commercial displays.



In just a few short years, digital signage has changed the face of advertising. Brilliant digital signs now serve up a full array of motion video and vibrant imagery that capture an audience's attention as never before. These digital displays offer newfound flexibility to shift promotional strategies quickly and to adapt to changes in the commercial environment.

Historically, LCDs have been illuminated by a panel of cold cathode fluorescent light (CCFL) tubes, similar to those used in office buildings. But now that is changing. The commercial display industry is quickly turning to a bolder, brighter and cleaner signage solution: LED-backlighting.

Commercial-grade LED-backlit screens use either a matrix of LEDs behind the screen or, more recently, an array of side-mounted LEDs to replace the CCFLs. Although the concept is generally the same as CCFL backlighting, the differences in performance are significant. Compared to their



A high refresh rate, like those found on Samsung's commercial LCDs, is essential in digital signage applications because it makes graphics in motion and scrolling signage look its best.

"LED-illuminated monitors can produce a significantly better dynamic contrast ratio compared to most standard CCFL illuminated displays."

Alan Brown,
Samsung Electronics America A/V Consultant

CCFL counterparts, LED-backlit displays offer sharper contrasts, more dazzling colors and an eco-friendly design that dramatically reduces power consumption. If you were to describe LED technology in a single word, it would be "clean."

Clean Image Quality

Take one look at an LED-backlit screen and you'll see that the image displayed is brighter and cleaner than a CCFL display. While it's difficult to quantify what creates that perception, the answer may lie in the improved contrast ratio.



"LED-illuminated monitors can produce a significantly better dynamic contrast ratio compared to most standard CCFL illuminated displays," said Alan Brown, A/V consultant with Samsung Electronics America. "They can produce deeper and more saturated blacks when the LEDs are in their off state and more 'pure' or accurate whites when they are in their on state."

LEDs are inherently able to be switched on and off more quickly than CCFL displays and typically offer a higher light output. In most designs, the LEDs are able to illuminate specific areas on the display depending upon the requirements of the input signals. This permits more brightness where it is needed and ends up providing a better contrast ratio in the process.

LED-illuminated LCD displays are capable of creating a wider color gamut or color space and achieve a larger percentage of the REC 601 and REC 709 video standards, Brown said. The end result is more accurate colors due to the LED being able to be designed for a specific wavelength of light.

The latest LED-backlit displays, such as those offered by Samsung, also offer a refresh rate of 120Hz, twice that of the 60Hz refresh rate typically offered in CCFLs. The higher refresh rate makes for sharper fast-moving images, superior depth of field and the appearance of more detail.



From retail stores to hospitality environments, digital signage puts you front and center with the public. COMTEX can help you develop a digital signage strategy that grows along with your business.

Environmentally Clean

When it comes to ecology, LED-backlit LCDs are a dramatic improvement over CCFLs. This primarily comes from the elimination of mercury, a component of CCFL lighting, but LED backlighting offers a number of indirect environmental benefits as well.

"Depending upon the design and screen size of the LED-illuminated display, they can achieve up to a 50% savings in energy," Brown said. "While not a major issue in a single consumer display, in commercial multiple display applications and 24x7x365 operation, the savings can be significant."

The lifespan of an LED-backlit panel can be nearly twice as long as that of an LCD with CCFL, meaning fewer panels headed for the landfill. In addition, LED-backlighting units in edge-lit displays keep the LEDs away from most of the other circuitry and not



close to any of the components. By generating less heat, it is much easier to keep the units cool, which extends their lifespan.

Clean Design

The thickness of Samsung's new commercial large format LED displays is less than 1.6 inches. This compares with four inches or more for a commercial grade CCFL display. The slimmer design allows it to be more easily blending into the wall or environment rather than being attached as an afterthought.

"Some business operators don't like to have the big mount and the screen protruding from the wall and, as a result, they tend to forgo digital signage installation," Schroll said. "This might get them over that."

And because an LED display weighs less, it is much simpler and less expensive to install. Overall, the total

cost of ownership of an LED-backlit display can be equal to or less than that of a CCFL display.

Schroll predicts that as deployers realize the benefits of LED-backlit displays, the technology will surpass CCFL as the dominant solution. "You are going to see a huge amount of momentum in the direction of LED-backlit displays, to pave the way for 2011 and beyond," he said.

SARCOM Digital Signage

SARCOM has delivered distributed computing lifecycle support to the IT industry for over 25 years. We leverage the knowledge, processes and infrastructure built from this experience to meet the specific and unique requirements of digital signage.

Digital Signage Capabilities

- The product procurement power of PC Mall
- Highest-level Tier 1 manufacturer partnerships and authorizations
- Best-of-breed content management and creation for complete, turnkey solutions
- Full project management, integration, kitting and nationwide logistics
- Custom-designed to precise requirements
- Scalable systems for growing businesses
- Installation and certified warranty services
- Custom mount design and fabrication
- EPA-certified recycling allows for a full lifecycle solution
- 24x7x365 service desk and incident management

National Coverage

Every day, COMTEX is on-site at over 70 locations across 49 states installing or servicing a digital signage system.

- Nearly 6,000 installations in 49 states
- Currently with 8,500 screens under service contract

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Mobilize your business with the world's leading wireless solution

- Boost business performance and increase productivity
- Access email, PIM, calendar and business information wirelessly
- Improve IT efficiency for BlackBerry smartphone management and application deployment

BlackBerry Enterprise Server

BlackBerry Enterprise Server delivers a complete wireless platform to extend the benefits of your messaging and collaboration environment to your mobile professionals. Provide your BlackBerry users with wireless access to business applications and advanced smartphone functionality while enjoying peace of mind with robust IT management capabilities and advanced security. Plus, efficiently manage your wireless infrastructure and reduce the time and resources needed to develop, deploy and manage wireless applications for your business.



Technical Support

BlackBerry Technical Support Services offers a direct line to technical support experts at Research In Motion (RIM) for any hardware- or software-related issues, and it provides you with free software upgrades throughout your subscription. BlackBerry Technical Support Services help protect your BlackBerry investment through a scalable and flexible technical support and software maintenance program, allowing you to receive the appropriate level of support for your business.

Smartphones & Authentic Accessories

BlackBerry smartphones and accessories are synonymous with style and function. There are a range of BlackBerry smartphones and accessories that meet the specific needs of mobile workers - allowing them to stay connected on the go with wireless access to email, phone, web and organizer features.



BlackBerry®

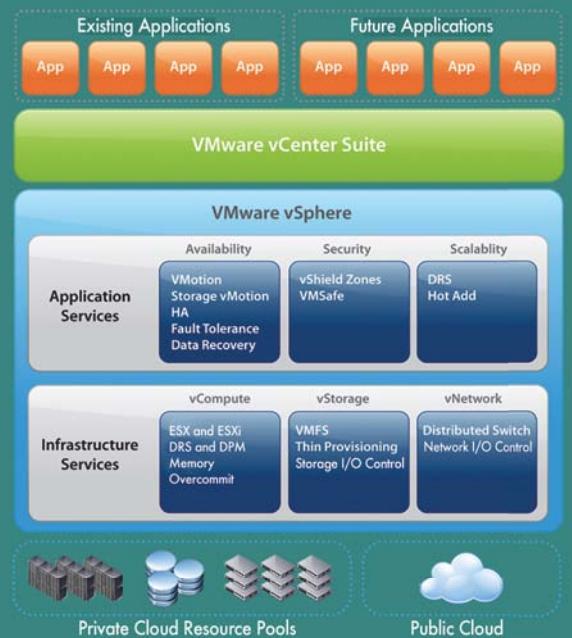
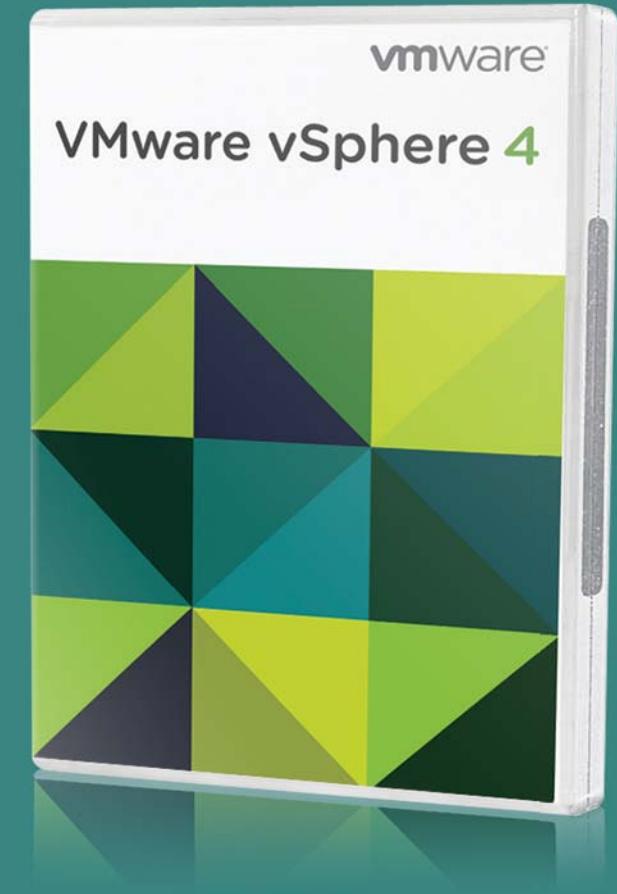
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VMware vSphere 4.1 The industry's first cloud operating system.

VMware vSphere™ 4.1

With VMware vSphere™ 4.1, you can scale to an unmatched number of virtual machines and virtualized hosts to support the build-out of private and public clouds at lower operational costs. The latest version also adds new capabilities for efficient aggregation of all datacenter resources into an elastic pool of computing power that applications can utilize on an as-needed basis.

- Shift IT energies towards creating transformative business solutions instead of routine maintenance of hardware and software
- Get more from your existing IT assets and reduce capital expenses of the datacenter by up to 60%
- Significantly lower power, cooling and real estate needs and cut your energy costs by up to 80%



Gain elasticity and flexibility through public and private clouds

Build a private cloud and bridge on-demand to a public cloud from VMware's broad ecosystem of leading cloud service providers for on-demand pay-as-you-go infrastructure. Gain visibility into pooled resources and the elasticity you need to react to changing business requirements, as you deliver IT as a Service with policy-driven automation.

Reduce your capital and operating costs and increase control over IT infrastructures while preserving the flexibility to choose any OS, application and hardware with VMware vSphere.

Call 1-317-409-4592 or email info@comtex.us

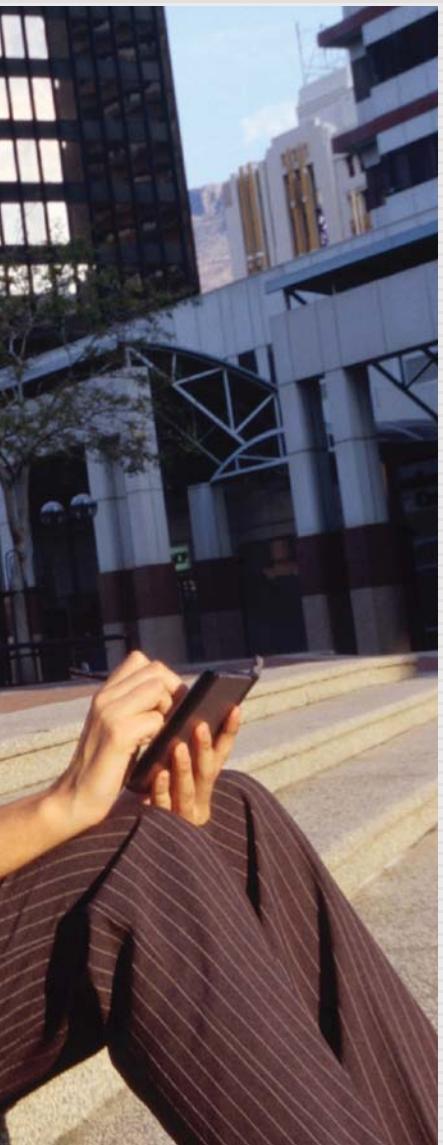
Print Anytime, Anywhere from Any Device

If you can e-mail it, you can print it with HP ePrint.



Create the crucial connection between your business and your documents with HP ePrint mobile printing. It lets you print business documents from your mobile device whenever and wherever you need them. Send your print jobs to any HP ePrint-enabled printer or MFP—whether you're in the office, at home, or at customer or satellite offices—then simply collect the printed pages.

You can make printing more accessible to clients and mobile workers by allowing them to print to your office's HP ePrint-enabled device. Larger documents, presentations and PDF files can be difficult to read on small handheld devices. With HP ePrint, you can easily print these same



documents from your mobile device to read or take with you.

How HP ePrint works

HP ePrint assigns an e-mail address to your printer. You can then print from

your smartphone or notebook via e-mail without installing any special drivers or software. As long as you can send an e-mail to your HP ePrint-enabled printer or MFP, you can print.

You can manage your HP ePrint settings at the HP ePrintCenter Web site. It allows you to check the status of print jobs, set default print settings and enable additional security by specifying who is allowed to print to your printer.

Easy Printing on the Go

You can print from a wide variety of mobile devices using one of three methods:

► **E-mail**—Using any e-mail-capable mobile device, attach your document to an e-mail message. Simply send that message to the e-mail address of an HP ePrint-enabled printing device and collect your printed document.

► **Mobile apps**—For even easier on-the-go printing, use the HP ePrint mobile app for iOS, Blackberry and Nokia smartphones. After downloading the mobile app from your mobile device's app store, you can use your mobile device to print wirelessly to the HP ePrint-enabled printer or MFP closest to you.

► **Mobile Driver**—You can download software from the HP ePrintCenter Web site to your Windows or Mac computer, then easily send photos, documents and more to the closest compatible device

Just by sending an e-mail from any devices, you can print your documents and graphics to an HP ePrint-enabled printer or multifunction device.

Stay productive on the go with HP ePrint mobile printing.

Easily print e-mails, business materials, presentations and more directly to an HP ePrint-enabled printer or MFP from your smartphone, notebook or any wireless or connected device capable of sending an e-mail.

Imagine the Possibilities

Here are just a couple of examples of how HP ePrint can help save time and boost your organization's productivity:

► **Print documents quickly on the go**—

While away from the office, your mobile Raj runs a full-service rental property management agency. He is often found at the properties he manages, meeting tenants or supervising maintenance work. While away from the office, Raj uses his smartphone to keep up to date. He frequently gets emails from clients with documents that he needs to review, print, and mail. Instead of waiting until he's back at the office, he uses HP ePrint to email the documents to his office printer, where his assistant can fill them out according to his instructions and route them to the appropriate location.

► **Print documents without a PC**—

Sharon is a senior VP for a financial services agency with several satellite offices. She regularly travels between the offices, and relies on her smartphone to keep up to speed on critical issues. She frequently needs to print documents sent to her via email. Instead of having to hunt down a free computer that is connected to the company's intranet, Sharon simply uses the HP ePrint mobile app on her smartphone to find the nearest HP ePrint-enabled printing device, and sends her documents quickly and easily.



COMTEX can help you set up efficient HP ePrint technology for your organization so your office and mobile users can find and print to local compatible printers and multifunction devices.



Print lab-quality photos, everyday documents and Web content on the fly, without using a PC!

Keep your business moving.

Print e-mails, contracts, sales presentations, invoices and more to an HP ePrint-enabled printer or MFP. Start experiencing the benefits of HP ePrint in your workplace today.

HP ePrint and wireless networking provide you with the connectivity options to print anywhere, anytime, with any device!

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3PAR Utility Storage for Server Virtualization Environments

Consolidate. Simplify. Save.



Whether you're using VMware vSphere™, Microsoft® Windows Server 2008 Hyper-V®, Red Hat® Enterprise Virtualization (RHEV) for Servers, Citrix XenServer™, or Oracle VM, 3PAR® Utility Storage is the ideal storage platform for your server virtualization deployment. 3PAR delivers highly virtualized storage built from the ground up to exceed the performance and resiliency demands of highly virtualized environments—enabling you to boost the return on your server virtualization by enhancing your ability to consolidate, simplify and save.

The Challenge: Maximizing Server Virtualization ROI

When deployed smartly, server virtualization can deliver cost savings, efficiency gains, and increased service levels that not only transform your data center, but the lines of business that it fuels. However, if you aren't careful, virtual server deployments can demand large amounts of pre-dedicated disk capacity and place heavy performance loads on your storage environment—leaving you with a lower than anticipated return on your investment.

The Solution: Agile and Efficient Storage Built for Virtualization

Whereas traditional storage platforms have continually failed to keep up with the changes and demands of virtualized server environments, 3PAR® Utility Storage was designed from the ground up to be resilient and to deliver transformative levels of agility and efficiency for highly virtualized environments.

Exclusive storage virtualization and autonomic management features built into the 3PAR InServ® Storage Server and 3PAR InForm® software deliver unique performance, management and capacity benefits.

3PAR Utility Storage has unique performance and resiliency features—such as wide striping and mixed workload support—that help double density. Wide striping distributes each storage volume across all array resources to deliver consistently high performance levels regardless of capacity utilization levels. Mixed workload support enables transaction-based and throughput-intensive workloads to run without contention on a single array.

Integration with virtual server platform features such as VMware's vStorage APIs for Array Integration (VAAI) and Storage I/O Controls (SIOC) minimizes the impact of I/O congestion, allowing you to increase the number of VMs per physical server and add higher-performing applications to physical servers when attached to 3PAR arrays.

Virtual Servers Demand 3PAR

The InServ platform meets the specific challenges of the virtual datacenter with a range of software and technologies unique to 3PAR and uniquely complementary to the following environments:

- VMware vSphere™
- Microsoft® Windows Server 2008 Hyper-V®

uniquely simplify the administration of specific server virtualization environments.

To augment these server and management savings, thin technologies from 3PAR put your data center on a diet by breaking the traditional link between allocated and purchased capacity. 3PAR Adaptive Optimization delivers further savings through autonomic storage tiering, while 3PAR's unique, ASIC-accelerated Fast RAID 5 delivers performance approaching that of RAID 1 but with 66% less RAID capacity overhead. Together, these savings enable you to maximize server virtualization ROI by saving you up to 50% on the total cost of ownership for your storage.



Call your COMTEX Account Executive to learn more about 3PAR Utility Storage and experience transformative levels of agility, efficiency and simplicity for your virtualization deployments.

Consolidate, Simplify and Save with 3PAR Utility Storage from SARCOM



Consolidate: Double VM Density

Utilize 50% fewer physical servers.

- Wide striping
- Mixed workload support
- Unique virtual server/storage integration



Simplify: Easier Management

90% less time managing storage.

- Rapid provisioning
- Autonomic groups
- Management Integration



Save: Eliminate Wasted Capacity

Cut storage TCO by 50%.

- Thin technologies
- Adaptive optimization
- Fast RAID integration

HP Printers

More efficient business productivity.

HP Color LaserJet CM2320nf Multifunction Printer

The Color LaserJet CM2320nf lets you print, copy and scan in color, and gives you monochrome faxing capabilities as well. Its built-in Ethernet lets you share all of its versatility with an entire workgroup.

- 600 x 600dpi HP ImageREt 3600 technology
- Up to 21ppm color or black printing (print speeds will vary with use)
- 40,000-page monthly duty cycle
- Up to 2,500-page monthly print volume
- 1200dpi optical color scanning
- Ethernet networking and USB 2.0 input



Choose dependable
HP printers for the most
reliable output and your
most critical business
communications.

HP LaserJet M3035xs Multifunction Printer

This printer accelerates the workflow of your workgroup with embedded LDAP support for easy integration into your existing infrastructure and the ability to send scans to e-mail or a network folder.

- 1200 x 1200dpi maximum print resolution
- Up to 35ppm color or black printing (print speeds will vary with use)
- 75,000-page monthly duty cycle



HP PurchasEdge Program

Easy enrollment,
hard cash savings.

Stretch the dollars you spend on ink, toner, paper and storage media by choosing Original HP supplies.

The HP PurchasEdge program lets you earn points on HP Original supplies purchases through SARCOM. Visit sarcom.com to learn more.

HP ProLiant Rackmountable Servers

Performance, power and intelligence.



Partner up with COMTEX and HP

COMTEX is renowned in the industry for our long-standing partnership with HP and our extended services that further enhance the return on your investment in HP hardware and software. We can help you with everything from deployment to integration, and from training to help desk support. Call your COMTEX Account Executive today for details on the HP platform and services like these:

- ▶ eProcurement including integration, warehousing and installation
- ▶ Large scale implementations, deployments and service delivery
- ▶ Seamless IT lifecycle refresh services that are national in scope
- ▶ Experienced IT technicians and engineers



HP ProLiant DL380 G7 Server

- ▶ Six Quad-Core Intel® Xeon® Processors X5680 (12MB L3 Cache, 3.33GHz)
- ▶ 24GB DDR3 SDRAM; exp. to 256GB
- ▶ HP Smart Array P410i SATA RAID
- ▶ Two dual port Gigabit server adapters
- ▶ 500W auto-switching power supply



HP ProLiant DL980 G7 Server

- ▶ Four 6-Core Intel® Xeon® Processors E6540 (4MB L3 Cache, 2.33GHz)
- ▶ 128GB DDR3 SDRAM; exp. to 2TB
- ▶ HP Smart Array P410i Controller with 512MB
- ▶ HP NC375i quad port Gigabit server adapter
- ▶ Up to 2.4TB internal storage
- ▶ Four 1200W power supplies



HP ProLiant DL580 G7 Server

- ▶ Four 8-Core Intel® Xeon® Processors X7550 (18MB L3 Cache, 2GHz)
- ▶ 64GB DDR3 SDRAM; exp. to 256GB
- ▶ HP Smart Array P410i with 1GB
- ▶ Quad port Gigabit server adapter
- ▶ Four 1200W auto-switching power supplies



**Powerful.
Intelligent.**

HP ProLiant BladeSystem Servers

Better business with HP Intel® Blade servers.



HP ProLiant BL460c G7 Server Series

Designed to run and enhance mainstream business applications, the HP ProLiant BL460c G7 balances performance, scalability and expandability in a single platform that streamlines any complicated data center.

- Reduces the total cost of owning, using and maintaining your IT infrastructure
- Unites servers, storage, network, power and management capabilities into an integrated and modular system that grows with your business



HP ProLiant BL460c G7 Server

- Quad-Core Intel® Xeon® Processor E5620 (12MB Cache, 2.40GHz)
- 6GB DDR3 SDRAM; exp. to 192GB
- HP Smart Array P410i controller
- HP NC553i FlexFabric Gigabit Ethernet
- Supports up to two SFF SAS/SATA/SSD drives



**Powerful.
Intelligent.**



HP ProLiant BL460c G7 Server

- 6-Core Intel® Xeon® Processor X5670 (12MB Cache, 2.93GHz)
- 12GB DDR3 SDRAM; exp. to 192GB
- HP Smart Array P410i controller
- HP NC553i FlexFabric Gigabit Ethernet
- Supports up to two SFF SAS/SATA/SSD drives



HP ProLiant BL460c G7 Server

- 6-Core Intel® Xeon® Processor X5650 (12MB Cache, 2.66GHz)
- 6GB DDR3 SDRAM; exp. to 192GB
- HP Smart Array P410i controller
- HP NC553i FlexFabric Gigabit Ethernet
- Supports up to two SFF SAS/SATA/SSD drives

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HP ProLiant Servers

Top performance for any data center.



An Affordable Business Platform

*Featuring the AMD Opteron™ Processor Family—
performance for demanding workloads.*

HP offers their powerful servers with cost-effective AMD processor options that drive exceptional performance-per-watt comparisons. And now, with the latest G7 Servers powered by the AMD Opteron 6000 platform, the data center just got smarter, more efficient and more affordable than ever.

- ▶ Delivers true performance on demand featuring the industry's only 12-core x86 processor
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HP ProLiant DL385 G7 Server

As a leading AMD rack server, the HP ProLiant DL385 G7 is designed with virtualization in mind, yet it's flexible and expandable enough to support any business need in even the most sophisticated environments.



HP ProLiant DL585 G7 Server

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HP ProLiant DL165 G7 Server

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- ▶ Gigabit Ethernet networking
- ▶ Microsoft® Windows® XP Pro pre-installed (includes Windows® 7 Professional upgrade)



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- ▶ 802.11a/b/g/n wireless
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- ▶ 6-cell Li-ion battery
- ▶ Microsoft® Windows® 7 Professional



ThinkPad X201s Notebook

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- ▶ 320GB hard drive with encryption
- ▶ 802.11a/g/n wireless
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- ▶ 9-cell Li-ion battery



Intel Optimized virtualization

Virtualization is the standard in the modern data center, so Intel planned the design of their Intel Xeon 5600 processor with that in mind. While this processor series enables consolidation ratios of up to 15:1, it goes beyond simply taming server sprawl with innovations for boosting performance and allowing different generations of servers to be combined in the same server pool.

The end result improves failover, load balancing and disaster recovery capabilities. Let's look at some of the underlying foundations of the Intel Xeon 5600 series that make such breakthroughs possible.

Maximizing Benefits

The Intel Xeon 5600 family offers incredible performance in a compact power envelope so you can use virtualization to deliver high-availability solutions for operational continuity while addressing both disaster recovery and real-time workload balancing. Intel has found that the Xeon 5600 series enhances virtualization performance by up to 3.5X and reduces roundtrip latency by up to half. And with multigeneration migration across the full range of 32-bit and 64-bit configurations, you can create larger VM pools that fully leverage your current and future infrastructure investments.

Performance and Utilization

Optimized for connectivity, the Intel Xeon 5600 processor offers hardware-assisted I/O that accelerates performance on the network while simplifying VM migration. It has built-in Intel Virtualization Technology for Connectivity capabilities that have been designed to improve communication between the host CPU and the I/O devices within the virtual server. System latency and processor utilization are both reduced, which substantially improves throughput.

Device Isolation

The versatile Intel Xeon 5600 processor features Intel Virtualization Technology for Directed I/O, also known as Intel VT-d, that helps speed data movement. Because it gives designated VMs their own dedicated I/O device, Intel VT-d dramatically reduces the overhead both on performance and on VM migration in the management of traffic.

It also empowers the Intel Xeon 5600 processor with Direct Memory Access remapping that supports independent address translations from devices, as well as interrupt remapping that isolates and routes interrupts from devices and external controllers to the appropriate VMs.

Security and Flexibility

With the mixed environment in most data centers, server security can be a challenge. But the Intel Xeon 5600 processor family offers two security features that alleviate the problem by speeding data encryption up to 52% and by protecting against software attacks prior to the launch of the OS or the hypervisor.

And it complements other malware protections, like antivirus and intrusion detection, to ensure only trusted software is on the platform. VMs on trusted platforms are also protected, so you can easily migrate them onto other trusted platforms or create pools of platforms with trusted hypervisors.

Beyond Virtualization

Intel's Xeon processor 5600 series is ready for prime time as the foundation of your modern, more efficient and more secure data center. Its incredible virtualization capabilities are only one example of this, so contact your trusted Intel technology reseller today so you can discover even more of the great benefits of this incredibly advanced processor family.▲

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- ▶ 2GB DDR3 SDRAM ▶ 320GB hard drive
- ▶ DVD±RW SuperMulti LightScribe drive
- ▶ Gigabit Ethernet networking
- ▶ Microsoft® Windows® 7 Professional 32-bit



HP Pro 3130 Minitower Business Desktop

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- ▶ 4GB DDR3 SDRAM ▶ 500GB hard drive
- ▶ DVD±RW SuperMulti LightScribe drive
- ▶ Gigabit Ethernet networking
- ▶ Microsoft® Windows® 7 Professional 64-bit



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- ▶ 15.6" LED-backlit HD display
- ▶ Microsoft® Windows® 7 Professional 64-bit



HP EliteBook 8540p Notebook

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- ▶ DVD±RW SuperMulti DL LightScribe Drive
- ▶ 802.11a/b/g/n wireless ▶ Gigabit Ethernet
- ▶ 15.6" LED-backlit HD+ display
- ▶ Microsoft® Windows® 7 Professional 32-bit



HP EliteBook 8540w Mobile Workstation

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- ▶ 4GB DDR3 SDRAM ▶ 320GB hard drive
- ▶ DVD±RW SuperMulti DL LightScribe drive
- ▶ 802.11a/b/g/n wireless ▶ Gigabit Ethernet
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Processor Rating