hp "gets" enterprise computing

After meeting with security analysts on 4 June in Boston, CEO Carly Fiorina made her first visit to New England as leader of the new HP. Greeted by a standing ovation of nearly 2,000 employees in Nashua, New Hampshire, and Littleton, Massachusetts, Fiorina expressed her respect and admiration for our efforts on the OpenVMS and Tru64 UNIX® operating systems. She also reaffirmed the importance of services and high-performance servers in the new HP. "HP 'gets' enterprise computing," she reassured the audience.

Enterprise computing is what we, in the Alpha Systems Division, are all about. I'm excited to tell you about several announcements that mark the continued progress of the Alpha Systems Division. These announcements deliver on our previously committed roadmaps and expand the range of enterprise products and solutions that we offer you in the new HP:

• Enhancements to AlphaServer systems

• OpenVMS V7.3-1, an enhanced version that is e-business and Internet-ready

• The availability of Red Hat Linux 7.2 for the AlphaServer family

• HP AlphaServer DS20L, the building block of the Compaq AlphaServer SC20 supercomputer

• Updated HP AlphaServer Customer Assurance Program

To learn more about these and other announcements, please see "In The News" beginning on page 2 of this issue and visit: www.hp.com/products/alphasystems

The Alpha Systems Times will soon be coming to you with a new title, the *Customer First Times*. In addition to bringing you the latest news on AlphaServer systems, this newsletter will be expanding its coverage to include HP 9000 and HP e3000 server topics. Look for the first edition of the *Customer First Times* in December 2002.

Sincerely,

Rich Marcello
Vice President and General Manager
Alpha Systems Division

enhanced hp AlphaServer systems provide unmatched performance and investment protection

In August, HP announced enhancements to the AlphaServer systems, expanding its leadership in providing best-in-class systems for our customers' most demanding business and technical computing needs. The new AlphaServer systems range from the entry level AlphaServer DS25 to the exceptional data processing power of the AlphaServer GS Series. At the time of the announcement, orders for more than 2000 of the new AlphaServer ES45 systems and the AlphaServer SC45 supercomputer systems had been received.

For more information, see: www.compaq.com/hps/

announcing hp OpenVMS Alpha Version 7.3-1

Delivering on the OpenVMS roadmap, HP announced an enhanced version of OpenVMS that is e-business and Internet-ready. OpenVMS V7.3-1 expands the OpenVMS SAN offering, increases system availability, improves I/O and SMP performance, and enhances security. Version 7.3-1 also includes enhancements that make it easier to port UNIX applications to OpenVMS.

As with its predecessors, this latest version continues to deliver the highest levels of availability, scalability, flexibility, performance, and security required for e-business. OpenVMS Alpha Version 7.3-1 is shipping now and will be delivered automatically to all appropriate Service update customers.

For full details about the new OpenVMS Alpha Version 7.3-1, please see the OpenVMS Alpha Version 7.3-1 New Features and Benefits Chart at: www.openvms. compaq.com/openvms/OperatingSystem.html

Red Hat Linux 7.2 now available for hp AlphaServer systems

HP recently announced that Red Hat Linux 7.2 is available on HP AlphaServer systems. Red Hat has certified Red Hat Linux 7.2 for the AlphaServer DS10/ DS10L, DS20E, DS20L, ES40 and ES45 systems — demonstrating HP's commitment to meet your multi-operating system environment needs.

For more information, visit:
www.hp.com/products/alphasystems

high-performance technical computing

For power and performance in a small package, check out the AlphaServer DS20L server — the newest HP entry in the high-performance technical computing marketplace. The AlphaServer DS20L is the building block of the AlphaServer SC20, a supercomputer that delivers up to 426 gigaflops of performance.

For the full story, see page 18 of this issue.

updated hp AlphaServer Customer Assurance Program

HP offers comprehensive investment protection for customers who purchase AlphaServer ES and GS systems by 31 December 2003 and are expecting to transition to future Itanium®-based systems running OpenVMS or HP-UX enhanced with Tru64 UNIX technologies.

look how we have you covered!

- Guaranteed trade-in values — HP commits to guaranteed trade-in values for current AlphaServer systems being traded in on a next-generation AlphaServer or Itanium®-based system.

- Software license trade-ins — HP is committed to providing cost-effective operating system and layered software license transfers from AlphaServer systems to the Itanium®-based systems.

- Financial assistance and protection — As an HPFS lease customer, HP lets you cap costs of new equipment platform and transition services through like-for-like exchange at the same monthly cost. At customers' request, lease coverage is now 36 months.

- Complimentary resources and services — HP delivers transition tools, services and support.

  – Two-day Architectural Workshops to evaluate and plan for transition

  – Consulting expertise centers

  – Web-cast training

  – Comprehensive portfolio of white papers

- Comprehensive professional services portfolio — HP has an extensive portfolio of chargeable services available for complete transition assistance.

Terms and availability of the AlphaServer Customer Assurance Program may vary depending on local law and regulations.

For more information, see: www.compaq.com/hps/ipf-enterprise/customer_care.html

hp AlphaServer ES45 system delivers outstanding Oracle benchmarks

The HP AlphaServer ES45 system has established a new record number of 826 users per processor in the Oracle Applications Standard Benchmark version 11i. The AlphaServer ES45 system achieved nearly twice the users-per-CPU performance of an eight-processor Sun Microsystems Sun Fire V880 server. The AlphaServer ES45 system also posted a faster response time than the Sun system.

For more information, visit:
www.compaq.com/hps/news/oracleapps_es45.html

new releases of DECnet-Plus for OpenVMS, DECnet-Plus for Tru64 UNIX, and WAN for Tru64 UNIX
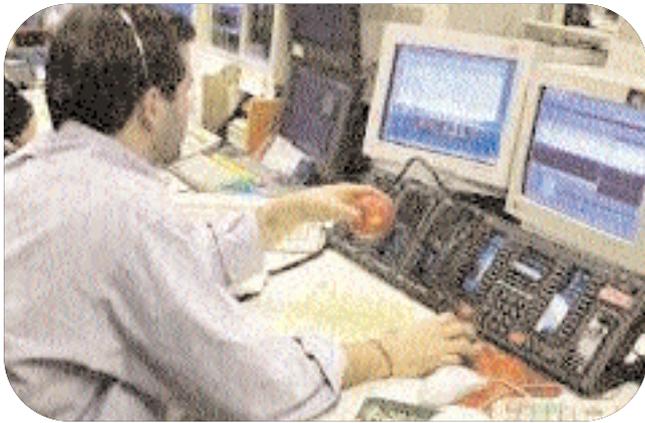
New releases of DECnet-Plus for OpenVMS and DECnet Phase IV continue to accompany releases of the OpenVMS operating system. While the emphasis of these new releases is concurrency with operating system features and new hardware, these releases also include new features and functions designed in response to customer requirements.

The next release of DECnet-Plus for OpenVMS Version 7.3-1 and DECnet Phase IV V7.3-1 began shipping with OpenVMS V7.3-1 in August 2002 on both the operating system CD and on the Software Product Library. The new release of DECnet-Plus for OpenVMS includes the DECdns functionality on AlphaServer systems, improvements to the synonym name lookup (resolving to fully qualified name) in DNS bind (for use with DECnet over IP), and an automatic restart for DECnet-Plus if TCP/IP Services (including the PWIP driver) crashes.

Both DECnet-Plus for Tru64 UNIX Version 5.1 and WAN for Tru64 UNIX Version 4.0 have been enhanced to provide support for TruCluster Server software. The Product Release Notes provide complete documentation of this new functionality.

For more information, visit:
www.openvms.compaq.com/network/decnet.html

SAP APO/liveCache support for AlphaServer Tru64 UNIX

Are you investigating, or perhaps already running, a supply chain management solution from SAP? There is good news because there are new Advanced Planning and Optimization (APO)/liveCache support and database packages now available for Tru64 UNIX and AlphaServer systems.

If you have Tru64 UNIX and AlphaServer systems running in your manufacturing or business enterprises and are extending benefits to your supply chain operations, this is an excellent platform to consider.

Check out the 20-page technical document that provides information about SAP APO support packages and liveCache database configurations running on Tru64 UNIX platforms. The information is presented in easy-to-read tables that show the relationship among the different elements in an APO/liveCache environment.

For more information, go to:
www.compaq.com/info/CMT1NV/CMT1NVPF.PDF

the future is here! hp enterprise technical symposium

6-11 October
St. Louis, Missouri

Have questions about HP OpenVMS, Tru64 UNIX, HP-UX or HP AlphaServer systems? Wonder what's in store for other HP products you rely on? Want to hear what other HP technical customers think? Then attend the HP Enterprise Technical Symposium, 6-11 October 2002, at the America's Center in St. Louis, Missouri.

This unique learning experience is sponsored by HP and HP user group Encompass, and focuses on the full breadth of HP Technology for Technologists. Experts from HP, its partners and its customers will be available to explain in technical detail how the inventive nature of the new HP builds on the rich technical heritage of Compaq, Tandem and Digital.

For registration and full event details, visit:
www.hpets2002.com

Encompass is a not-for-profit organization dedicated to providing an educational and networking forum for HP enterprise computing users. For the latest details about pre-symposium education and membership information, visit: www.encompassUS.org

Next Generation hp AlphaServer systems preview days in North America

In conjunction with the April pre-announcement of the Next Generation HP AlphaServer systems, HP continues to host a series of Preview Days for customers and resellers that will run through November. Don't miss this opportunity to learn about the latest HP AlphaServer technology from the experts!

Preview dates: 16 October and 13 November

Upcoming Preview Days will be held at the HP Customer Centre, New England, in Marlboro, Massachusetts.

For more information, please contact your HP sales representative.

got issues? go to the online advocacy program

The HP User Groups' Online Advocacy Program provides electronic channels to recognize and resolve issues of wide importance between Compaq, now part of the new HP, and its enterprise customers. As its "Local Voices … Global Reach" name implies, the Online Advocacy Program is designed to provide worldwide users with widely accessible, web-oriented channels to voice concerns that may be of interest to other enterprise users, and to receive responses from HP. A joint effort of HP, ITUG, Encompass, CUO-EMEA and other international DECUS organizations and communities, the Online Advocacy Program truly unites HP's global users.

submit an issue and vote on an Instapoll

Online Advocacy is an important initiative to both HP and its enterprise customers. If you have concerns you'd like to share, be sure to "Submit an Issue" today or vote "Me Too!" to submissions by fellow users and let your voice be heard! Please note: to access the site, you must have JavaScript and cookies enabled on your browser, and you should use versions 4.0 and above for either Internet Explorer or Netscape.

Participate now at: www.hpuseradvocacy.org/

CUO-EMEA pulls ahead with the virtual community

CUO-EMEA (Compaq User Organization-Europe, Middle East, Africa — formerly DECUS Europe) has built Virtual Community, the ultimate networking tool for European Compaq users. Virtual Community is an elegantly designed web site featuring up-to-date news (courtesy of Shannon Knows HPC's Terry Shannon), special interest groups, multiple discussion forums, opt-in mailing lists and pan-region events listings.

The site also includes an internal messaging system for registered users, an e-commerce system, and vendor forums. The genius of the Virtual Community is its appeal to chapters throughout the EMEA region. Rather than having to build and maintain their own web sites, they can now set up shop beneath the CUO-EMEA umbrella. Once included, they benefit from all of the functions listed above at the European and at the chapter level.

"The Virtual Community is a way to have a true European community for pre-merger Compaq users. To find discussion forums, meeting announcements and mailing lists on technical subjects everywhere in Europe at the same place is something that everyone was waiting for," said Daniel Clar, Chairman DECUS France.

Special interest groups and more

Special interest groups currently exist for OpenVMS, Tru64 UNIX and Linux, with more on the way. Opt-in mailing lists allow members to stay current on events, technical developments and business issues by delivering all the news directly via e-mail. Pan-European event calendars allow national chapters, Compaq and select outside parties to publicize their events to a wider audience.

Commenting on the site's utility, Terje Bruvoll, President of CUO-EMEA, said "The Virtual Community is a great tool for communication with members from other Compaq User Organizations. It will also be my preferred web site for updates on Compaq-related topics."

Visit the CUO-EMEA Virtual Community at:
www.compaqusers.org

from high availability to disaster tolerance: Tru64 UNIX solutions for business continuity

A new white paper, Tru64 UNIX Technologies and Solutions for Business Continuity, explores the concepts of high availability, disaster recovery and disaster tolerance — and illustrates how some solutions are better suited than others to a particular environment. It highlights the decision points that combine to influence the choice and design of an IT environment that ensures an appropriate level of business continuity should an entire site fail due to a disaster. The white paper concludes with a survey of technologies and solutions that will help you cope successfully with site disasters that impact your business.

For more information, go to:
www.tru64unix.compaq.com/literature.html

new web page for disaster tolerant solutions

Now there's one place to go to find the most up-to-date information on disaster tolerant solutions for OpenVMS and Tru64 UNIX AlphaServer environments. On this new web page, you'll find:

- Definitions and descriptions of various levels of disaster tolerance requirements
- Solutions for OpenVMS and Tru64 UNIX
- Related links to complementary offerings and web pages for Services and Storage
- Training
- Sales tools
- Contacts

Check it out at: www.compaq.com/disastertolerance

now available! mail and directory clinics with developers

Do you use Office Server (previously known as ALL-IN-1) or Enterprise Directory (previously known as X.500 Directory)? If so, the engineering group responsible for these products would be delighted to help you continue using the HP products by explaining roadmaps, server consolidation, migration from VAX to Alpha, and more.

To facilitate discussion on these products, we are now scheduling monthly mail and directory telecommunication clinics. These clinics put you in contact with Office Server and Directory developers to discuss functionality, proposed features, futures, bugs, or any other subject. To protect business confidentiality, we meet with only one customer at a time.

The clinics cover the following products:

- Compaq Office Server (ALL-IN-1) and its clients COSWI, MAPI, TeamLinks
- Compaq Enterprise Directory for eBusiness (Compaq X.500 Directory) on OpenVMS and Tru64 UNIX and its administration tool
- MAILbus 400 MTA (OpenVMS and Tru64 UNIX) and MAILbus 400 SMTP Gateway (Tru64 UNIX only)
- MAILbus products (Message Router, MRGATE, XMR, etc.)
- The LDAP API that shipped with OpenVMS V7.3 (Alpha only)

For more information, visit: www.openvms.compaq.com/solutions/mail.html

To sign up for a clinic, send e-mail to: iosg-info@hp.com

meeting your needs for pre-owned technology

These days most companies buy pre-owned IT solutions for at least some of their computing needs. It may be because they've made an investment in prior-generation equipment and need that technology to maintain a consistent computing environment. Some companies use pre-owned equipment for disaster recovery and other back-up functions. And others simply use pre-owned, along with new, to stretch their all-too-thin budget dollars.

If you have made the decision to buy pre-owned equipment, it's important that you buy it from an authorized source to ensure that you have legally licensed software, and that the equipment you're buying meets HP standards.

HP Financial Services is an HP center of excellence for pre-owned equipment. When you engage HP Financial Services for pre-owned equipment, you receive completely refurbished equipment that can be custom-configured to meet your specific needs.

To find out more about how HP Financial Services can meet your needs for pre-owned technology, contact: www.compaq.com/financialservices/preowned.html

now available! universal service processor (USP) V6.0 for OpenVMS AlphaServer systems

Universal Service Processor (USP) provides OpenVMS AlphaServer systems with a high performance messaging middleware framework integrated with the Compaq Secure Web Server (based on Apache). USP delivers a very flexible and robust set of features that facilitates the development and deployment of high performance distributed applications with traditional client/server RPC technology or message broadcasting. USP is also an excellent tool for integrating existing applications running on OpenVMS systems into an intranet or Internet environment.

USP V6.0 includes a service-oriented architecture, synchronous and asynchronous messaging, secure communication, interfaces for a variety of platforms and multiple programming languages, and XML-based message exchange. The broadcast capabilities of USP are unique and include reliable and scalable message broadcasting with publish/subscribe, pattern matching, and fan-out of broadcast messages to save network overhead and bandwidth.

For more information on USP or to download USP V6.0, visit: www.openvms.compaq.com/openvms/products/ips/usp/usp.html

Shannon knows HPC

the new hp and high-performance computing: the best surprise is no surprise

Shortly after the 3 May 2002 consummation of the largest merger in IT industry history, SKHPC journeyed to Lyon, France to participate in the third annual ITUG/DECUS Joint Conference. Since the Joint Conference represented the new HP's "coming-out party" for nearly 1,000 enterprise customers, we felt the venue offered a perfect opportunity to assess the high-performance computing strategy of the newly merged IT industry powerhouse. And we were pleasantly surprised to learn that the new HP product roadmaps and strategies contain few, if any, unpleasant surprises for performance-conscious customers.

Scott Stallard, the newly-minted head of the HP Business Critical Systems Group, was unable to attend the Lyon event, but the VP did assert his presence in a video-taped interview wherein he assured customers that the new HP intends to continue to aggressively promote and sell OpenVMS-based AlphaServer systems as long as customer demand exists. "We expect [customer demand] to exist for at least several years beyond the 2004 introduction of EV79-based AlphaServers," Stallard said. Since the new HP will continue to support AlphaServer systems for at least five years beyond their final sales date — currently estimated to be at least 2006 — customers can be sure that their current and future Alpha investments will be protected well into the next decade.

Alpha's future still marvelous

Alpha Systems Division VP and General Manager Rich Marcello offered a multitude of reasons why it's safe to bet your business on the new HP's Alpha and Intel® Itanium® processor family technologies. Naysayers notwithstanding, Intel has announced the launch of the Itanium II "McKinley" chip, but the currently-shipping Alpha EV68 processor and its EV7 successor are expected to maintain a significant performance advantage over competitive Itanium® processors until at least 2005.

OpenVMS Group VP Mark Gorham followed up with a detailed review of the OpenVMS roadmap. Again, no surprises here, except to competitors and industry pundits who falsely claim that the new HP will abandon the OpenVMS customer constituency and force users to embark on a near-term migration to a competitive, less capable, UNIX platform. The OpenVMS-to-Itanium® port remains on track for a late-2002 initial boot.

HPTC slims down and scales up

Shortly after the Lyon symposium, HP reinforced its leadership in the HPTC (high-performance technical computing) marketplace with the announcement of the HP AlphaServer DS20L server and the Compaq AlphaServer SC20 supercomputer. Packaged in a 1U form factor, each DS20L system contains two Alpha EV68 833MHz processors with 4 MB of L2 ECC cache and the Tsunami crossbar chipset. Each system can accommodate up to 2 GB of memory, and as many as 40 DS20L servers can be combined in a single six-foot high rack-mounted configuration. HP has already sold more than 1,000 of the new systems, which offer the highest sustained performance per rack for high-density servers with a SPECfp_ 2000 rating of 726 per processor. Cluster czar HP offers the AlphaServer DS20L in Tru64 UNIX and Linux clustered configurations with a broad variety of interconnects including Ethernet, Gigabit Ethernet, Myrinet, and the high-performance Quadrics switch from Quadrics Supercomputer World.

The refreshed DS20L should be very attractive to customers seeking lower-cost AlphaServer SC HPTC configurations. The Compaq AlphaServer SC20 system is a scalable, single-image supercomputer based on DS20L building blocks. The SC20, which is available with Tru64 UNIX, can combine up to 128 DS20L building blocks via a high-speed interconnect and deliver up to 426 GFLOPS of performance. These metrics reflect price/performance similar to that offered by ES45-based AlphaServer SC45 clusters, but at a significantly higher density.

"The introduction of the new HP AlphaServer high-density systems reaffirms our continuing commitment to meeting the milestones we have outlined to our customers in our AlphaServer roadmap," said Alpha Systems VP and General Manager Rich Marcello. Marcello added that late this year HP will introduce the next generation of high-end AlphaServer systems based on EV7 processors running at ~1.2GHz. The company has already begun previewing these new systems with select customers and software partners. These new systems have also been publicly demonstrated in Lyon and Las Vegas, and HP currently offers monthly customer prebriefings on the new high-performance GS-series family at the firm's Marlboro, Massachusetts customer briefing center.

In short, at the new HP, promises made are promises kept.

© 2002 by Terry C. Shannon, Shannon Knows HPC

Terry C. Shannon, consultant and publisher of Shannon Knows HPC, has more than 25 years' experience in the IT industry as an OpenVMS system manager, programmer, analyst, journalist and consultant. Mr. Shannon's opinions are his own and do not necessarily reflect the opinion of Hewlett-Packard Company. — Editor

hp and business partner solutions

FORTEL — ensuring OpenVMS service-level management

By Deanne Walker, Vice President of Business Development, FORTEL, Inc.

Are you looking for a real-time OpenVMS performance solution that can isolate and determine issues with your e-business systems processing? FORTEL may have the answer for helping you maintain peak performance levels in your OpenVMS environment.

Through FORTEL's innovative SightLine solution, you will have the answer before issues reach critical mass and users are affected. SightLine provides a performance management solution that ensures service-level management by all of the IT departments supporting the business value chain. Unique capabilities for real-time analysis, automated correlation of unknown processing issues, and advanced trending analysis assist a company's operations, systems engineering, systems management and planning functions to deliver and maintain business applications at optimum performance levels.

SightLine helps enterprises maintain peak performance of their applications and the systems supporting them. SightLine offers end-to-end management of the business-critical IT infrastructure by:

- Helping efficiently isolate and determine the causes of problems affecting business systems processing

- Gathering performance data from OpenVMS, UNIX®, Windows®, Unisys and other open systems environments and displaying it in customized real-time views integrated with the ability to alert IT when service levels are not being met

- Providing a comprehensive solution for monitoring the health and availability of IT business services and transaction response times with the ability to quickly pinpoint the source of service degradations

- Enabling an independent view to be modeled for current and future IT resource requirements without the need to be a platform expert

For more information about the SightLine solution for OpenVMS, please contact: Deanne Walker, 703-385-7700 x321, info@fortel.com or visit: www.fortel.com

Ericom Software offers new version of Host Publisher

By Tim Le, Director of Marketing, Ericom Software

Ericom Software has released its beta version of PowerTerm Host Publisher Version 4.0. PowerTerm Host Publisher is middleware technology that transforms legacy applications residing on the broadest and most complete range of hosts — including OpenVMS and Tru64 UNIX — into services that can be accessed via SOAP/XML, COM/DCOM and Java™ for use in web, wireless or application integration projects. This is done with zero changes to the existing applications.

Some features of PowerTerm Host Publisher Version 4.0 are:

• Native on Windows and non-Windows operating platforms such as Tru64 UNIX and Linux

• Load balancing and fault tolerance

• Library code to enable code sharing among multiple developers and teams working in parallel

• ApplicationWizard, which lets you develop in your preferred developing language — VBScript or Java

• An easy-to-read graphical flowchart that lets you view and define your business processes

• Platform/environment independence. Communicate with PowerTerm Host Publisher in COM/TCP Sockets/SOAP from Java environment, .NET, VB, BizTalk, MTS, in any web environment

For more information, please contact: Tim Le via phone 201-767-2210 x13 or via e-mail at: tim.le@ericom.com

Interlink Networks, Inc. announces new RADIUS server release for Tru64 UNIX

Interlink Networks, a Compaq Solutions Alliance (CSA) partner and contributor to Compaq's Internet Express product (see www.tru64unix.compaq.com/internet/osis.htm) has released the latest version 5.1.3 of its RAD-Series AAA RADIUS server. It incorporates advanced access policy capabilities and market-leading custom configuration available on Tru64 UNIX and Linux.

xSP customers in North America, Japan, India and the Philippines have implemented Interlink Networks RADIUS solutions for maximum scalability and performance.

For more information, check out: www.compaq.com/solutions/showroom/interlink_aaa_radius_server.html

Openwave Email Mx V5.1.4 now certified on Tru64 UNIX V5.1A

Openwave has announced that its premier carrier-scale messaging product, Openwave Email Mx, has been certified on the latest version of Tru64 UNIX, V5.1A. This certification enables Openwave Email Mx solutions to be built using the award winning HP AlphaServer ES45 platform and other new hardware such as LAN interconnect clusters.

To learn more, see:
www.compaq.com/enterprise/sp/partners-openwave.html

GFS migrates to Alpha — web-enables business applications, too!

By Cindy Limburg, Synergy/DE Product Manager, Synergex

A specialty chemical manufacturer since 1928, GFS Chemicals invested years of valuable processes and customer experience into its mainline business applications. GFS now offers customers online services such as product updates, ordering and documentation access.

The original GFS application was written in DEC Dibol, and later upgraded to Synergy/DE™ from Synergex®. Using the latest Synergy/DE version, GFS retained existing code while upgrading from VAX to Alpha, and extended customer-facing processes to the Internet.

Synergy/DE is a development environment that enables customers such as GFS to deploy multi-platform, web-based applications integrated with e-commerce solutions, ODBC-enabled reporting, RDBMSs, ActiveX, XML and other third-party applications and data.

GFS turned to Synergex's Professional Services Group — experts in developing and integrating back-office applications with today's web-based platforms. A joint effort between Synergex and GFS, the new site is e-commerce enabled and includes features designed for easier customer access.

"Our customer-facing requirements had outgrown our VAX," explains Cathy Song, Senior Systems Engineer for GFS Chemicals. "We needed a system that would perform and allow us to take advantage of the Internet without having to abandon the significant investment in our applications. The Alpha provided the solution. Synergex consultants and Synergy/DE gave us the flexibility to extend our applications — and our business — to the web."

For more information, please contact Synergex at: info@synergex.com or call 916-635-7300.

WebUseNet offers newsgroup product support for Tru64 UNIX

WebUseNet's Highwinds Software division has released newsgroup product support for the HP Tru64 UNIX operating system. The Highwinds Software product line, which includes the Typhoon, Cyclone and Twister Servers, is licensed to more than 400 ISPs worldwide and is specifically designed to power Carrier-Class Usenet news networks.

With the release of the Highwinds newsgroup software on Tru64 UNIX and its leadership clustering technology, service providers now have an alternative to Sun Solaris for large-scale news deployments.

Because the Usenet service is technically challenging due to the large numbers of articles and the growing size of the database, service providers rely on the WebUseNet's NNTP technology to manage terabytes of daily throughput and sustained download rates of 512 Kbps and higher. Tru64 UNIX can handle the most bandwidth- and storage-intensive environments, minimizing data replication through its cluster storage technology. This consolidation can help ISPs significantly lower storage and management costs.

For more information, visit: www.webusenet.com

SpiritSoft achieves OpenVMS certification

By Markham Tate, Director, Business Development, SpiritSoft, Inc.

As Java and J2EE become standard platforms for building distributed systems, enterprises want to build JMS-based applications but are reluctant to abandon existing investments in current messaging systems. SpiritSoft supports these existing investments while bringing the latest technology in messaging architecture to OpenVMS — building on the platform's qualities of high-performance, reliability, fault tolerance and scalability. SpiritSoft's standards-based solutions allow OpenVMS customers to migrate existing applications from current messaging systems and transaction monitors while maintaining, or in many cases, improving performance.

SpiritWave Message Server provides an advanced multi-cluster architecture to deliver against demanding enterprise applications in mission-critical business environments. This decoupled messaging environment offers an enterprise class, JMS-based transport layer and client framework to replace or bridge to proprietary messaging systems (e.g., MQ Series, Tibco Rendezvous, Tuxedo, SWIFT and MessageQ). SpiritWave provides both publish/subscribe and point-to-point messaging modes. With SpiritSoft, OpenVMS customers can realize a highly flexible, heterogeneous messaging environment.

Fully certified on J2EE Version 1.3.1, SpiritWave supports XML processing for integrating legacy applications, databases and web services over internal corporate IT environments and the Internet. The platform provides functionality not offered by other JMS implementations, including SpiritCache, the only commercially available JCache implementation. This message-based caching solution will provide OpenVMS customers with significant cost savings by positively impacting the issues associated with distributed systems including latency, bandwidth usage, and performance bottlenecks.

For more information visit: www.spiritsoft.com

hp expands partner relationship with Entegrity Solutions

HP is pleased to announce an expansion of our long-standing partnership with Entegrity Solutions Corporation. Entegrity® will now be your full product and services supplier for Distributed Computing Environment (DCE) and Distributed File System (DFS) products on Tru64 UNIX and AlphaServer SC systems.

special 20% discount offer

If you wish to purchase future updates or support contracts, contact Entegrity Solutions. Entegrity is offering a 20% discount on all DCE/DFS Service Contracts purchased directly from Entegrity by 31 December 2002. See contact information below.

Support for DCE and DFS for Tru64 UNIX will be provided through HP/Compaq Customer Support Centers in accordance with the provisions of your existing support contracts through, but not beyond, 31 December 2003. Please contact your HP Customer Service Sales Representative, Authorized Compaq Partner, Compaq Product and Services Information Center, or Entegrity Solutions (Ray Cavanagh) at 603-882-1306 x2208 if you have questions or concerns that need immediate attention.

For more information, go to: www2.entegrity.com/products/dce/dce.shtml or support.entegrity.com/

new! business solutions web site

Looking for solutions information? Then step into the Business Solutions web site at www.compaq.com/solutions for access to industry and cross-industry solutions from HP and its partners.

Here you will find partner and solution descriptions — supported by value propositions, technical and implementation documents and resources, success stories and more. All information is presented in a common content layout and based on a common classification of solutions. This makes it easy to find information and compare and contrast different solutions.

The Business Solutions web site also includes ActiveAnswers, which offers you tools for faster deployment and guides for easier planning and management of your HP solutions environment. The site includes industry and cross-industry solutions, solutions summaries, partner descriptions and a wealth of other information and links.

New partners, solutions and support documents are added weekly, so visit often at: www.compaq.com/solutions

new solutions at the enterprise solutions web site

energy — HP servers and solutions from HP partners are leading solutions for many of the world's energy management systems. These solutions enable engineering and operations decision makers to instantly spot problems and inefficiencies in their energy systems and respond in seconds. Visit: www.compaq.com/solutions/showroom/ energy_utilities.html

telecom — Telcos of all sizes depend on SchlumbergerSema for mission-critical billing and customer care applications and worldwide commitment. SchlumbergerSema addresses the need of telecommunications service providers to add new services based on emerging technologies. This solution employs the Enterprise Virtual Array and a SAN configuration to optimize overall system responsiveness and availability. Visit: www.compaq.com/solutions/ showroom/storageworks_rapid_restore.html

data mining and analysis — DataStage, which runs on Tru64 UNIX, is an integrated set of tools for data mining and data analysis that simplifies and automates the extraction, cleansing, transformation, loading and maintenance of data from multiple operational sources. Developers can add more data sources, targets and transformation routines without rebuilding applications, thereby reducing cost, time and resources. Visit: www.compaq.com/solutions/showroom/ ascential_datastage.html

manufacturing — The MANMAN Information System, which runs on OpenVMS, is an integrated factory management system for manufacturing resource planning (MRP II) environments. The suite of products streamlines multi-plant, multi-organization manufacturing operations by providing immediate access to timely information and enabling sharing of information across all functional areas. Visit: www.compaq.com/solutions/showroom/ ca_manman.html

systems management — Unicenter TNG is a systems management solution that contributes to high availability through the use of centralized and consolidated enterprise system management. Through the versatility of management agents, Unicenter TNG integrates hardware management and event notification across a wide range of operating systems, including OpenVMS, Tru64 UNIX and Linux. Visit: www.compaq.com/solutions/showroom/ ca_unicenter.html

For the latest information, check out the Business Solutions web site at: www.compaq.com/solutions

OpenVMS

Compaq TCP/IP services for OpenVMS Version 5.3

Compaq TCP/IP Services for OpenVMS V5.3 (VAX and Alpha) is an industry-standard implementation of the TCP/IP networking protocols on the OpenVMS platform. V5.3 is integrated with the OpenVMS operating system installation and provides interoperability and resource sharing among systems running OpenVMS, UNIX, Windows and other operating systems that support TCP/IP. This version provides a comprehensive suite of functions and applications for network communications and resource sharing. TCP/IP Services incorporates the TCP/IP protocols stack from Tru64 UNIX.

Version 5.3 provides enhancements such as NTP V4 and BIND V9 and contains enhancements to IPv6. V5.3 ensures transparent backward compatibility with earlier versions of Compaq TCP/IP Services for OpenVMS and is supported on OpenVMS Alpha V7.2-2, 7.3, and 7.3-1, as well as on OpenVMS VAX V7.2 and 7.3.

For more information, visit:
www.openvms.compaq.com/network/tcpip.html

now available — Compaq management agents V2.3 for OpenVMS

Version 2.3 of Compaq Management Agents for OpenVMS is now available. The product has been updated to use V5.2 of the Compaq Insight Manager web pages. A major enhancement for system managers is the product's ability to monitor server environmental parameters such as temperature, fan speeds and power supply on the newer generations of AlphaServer DS, ES and GS series systems running OpenVMS V7.3 or later.

When used with Compaq Insight Manager 7, the OpenVMS agents allow you to monitor all of your OpenVMS, Windows and UNIX servers across the enterprise from a centralized location using a web browser. Critical events are signaled by the agents using SNMP traps, and are displayed on a separate area of the Insight Manager screen for easy identification.

Since the agents communicate using SNMP, you can also integrate the information from the agents into any other management tool or your own home-built application to provide customized system management solutions.

For more information, visit: www.openvms.compaq.com/openvms/products/mgmt_agents/

The OpenVMS agents may be downloaded from the web site at no charge. Separate kits are available for OpenVMS Versions 7.1, 7.2 and 7.3.

For information on Compaq Insight Manager 7 and management agents for other platforms, visit: www.compaq.com/manage/

a bright future for OpenVMS system management

From AlphaServer systems to the Intel® Itanium® architecture, OpenVMS system management applications and tools help OpenVMS managers choose the most appropriate and cost-effective decisions for their environment.

To read about the wide range of system management solutions offered today and what is planned for the Itanium® architecture by HP and our Independent Software Vendors (ISVs), go to: www.compaq.com/hps/ipf-enterprise/ download/OpenVMS_Itanium_system_management.pdf

NetBeans for OpenVMS: not just for Java lovers

NetBeans for OpenVMS is now a full-fledged integrated development environment (IDE) for C and C++ development. This is made possible with the brand new C/C++ plug-in module designed for OpenVMS developers. This module fully integrates editing and compiler support for C and C++ files within the NetBeans IDE. Features include source code (and command file) editing with customizable syntax highlighting; compilation and build execution within the IDE, including error navigation; script execution using DCL command procedures of single or multiple source files; and fully customizable property settings on a global, per-project and per-file basis.

Another optional plug-in introduced with this release of NetBeans is the EDT support module. This offers users familiar with EDT keybindings similar functionality within the IDE. A CMS (version control management system) support module is about to enter beta testing.

For more information, visit: www.openvms.compaq.com/ openvms/products/ips/netbeans/

just released! Compaq Secure Web Browser (CSWB) for OpenVMS AlphaServer systems

Compaq Secure Web Browser (CSWB) provides OpenVMS AlphaServer systems with a full-featured and customizable browser with integrated web browsing, security, HTML document creation and editing. It also includes clients for mail, news and instant messaging, and support for Java and JavaScript and the following standards: HTML4, CSS1/2, DOM1/2, XML, RDF and SSL.

CSWB is the supported browser for OpenVMS AlphaServer systems and replaces Netscape Navigator 3.03. CSWB is based on Mozilla, an open-source web browser that's designed for standards-compliance, performance and portability. Netscape 6.x is also based on Mozilla.

To download CSWB, visit: www.openvms.compaq.com/ openvms/products/ips/cswb/cswb.html

Mozilla (beta) baselevels will continue to be available on OpenVMS Alpha as they become available at: www.openvms.compaq.com/openvms/products/ips/ register_mozilla.html

Tru64 UNIX

NASA uses Tru64 UNIX AlphaServer SC45 systems for climate research studies

The National Aeronautics and Space Administration (NASA) is using a powerful HP AlphaServer supercomputer running Tru64 UNIX for climate research studies of environmental issues such as global warming. Information Technology services firm Computer Sciences Corporation installed the system at the NASA Center for Computational Sciences at the Goddard Space Flight Center in Greenbelt, Maryland. Currently the system includes 500 AlphaServer SC45 systems and will soon expand to more than 1,300 systems. HP will provide services to support the entire installation.

This announcement further strengthens HP's position as the leader in the high-performance technical computing marketplace.

For more information, visit: www.hp.com/hpinfo/newsroom/press/17jul02b.htm

hp AlphaServer DS20L: power and performance in a small package

The HP AlphaServer DS20L server is the newest HP entry in the high-performance technical computing marketplace. It delivers high performance in a space-saving, rack-mounted configuration to customers in fields as diverse as entertainment to defense.

The AlphaServer DS20L server is just 1-3/4 inches high, 19 inches wide and 20 inches deep. Each system contains two 64-bit Alpha processors with up to 2 GB of memory. As many as 40 DS20L servers with a total of 80 processors can be combined in a single 6.5-foot-high rack-mounted configuration.

"The new HP AlphaServer DS20L doubles the per-rack performance of the nearest competitor," says Troy Deel, lead engineer, Zeta Associates, Federal Program. "The ability to pack this much power into a small space will be very appealing to our government customers."

The AlphaServer DS20L systems, rated at 132 gigaflops of peak performance in a single rack, have produced the highest sustained performance per rack (a rating of 724 per processor) for high-density servers as measured by the industry-standard SPECfp_2000 benchmark. The AlphaServer DS20L also produced outstanding results in the SPECint2000, SPECfp_rate2000 and Linpack benchmarks.

More information on the new HP AlphaServer systems is available at: www.hp.com/products/alphasystems

Compaq AlphaServer SC20 supercomputer ups ante in HPTC marketplace

Complementing the release of the HP AlphaServer DS20L server is the Compaq AlphaServer SC20, a scalable, single-image supercomputer based on DS20L building blocks. With double the sustained performance density of competing systems, the AlphaServer SC20 delivers superior floating-point, memory bandwidth and message-passing performance.

Running on HP Tru64 UNIX, the SC20 can combine up to 128 DS20L units via a high-speed interconnect and deliver up to 426 gigaflops of performance.

The systems further strengthen the new HP's position as the HPTC leader, with 41.5 percent of the $5.06 billion high-performance computing market, according to International Data Corp. (IDC), Worldwide High Performance Technical Computing Census, 2001.

With a lower entry price than earlier AlphaServer SC systems, the SC20 also requires much less floor space. Available as a standard product with a base system of eight Alpha processors and 4 GB of memory, the AlphaServer SC20 is expected to begin shipping in October.

For more information, visit: www.compaq.com/hpc/systems/sys_sc20_features.html

EVM support on Tru64 UNIX V5.1A

Enterprise Volume Manager (EVM) is software based on SANworks Management Appliance that manages controller-based clone and snapshot operations. Clones and snapshots are point-in-time copies of volumes that can be used to virtually eliminate the application downtime required for system backups, as well as facilitate other data center tasks. EVM addresses the need for business continuance by running these backup operations with snapshots and clones as a parallel process to normal applications processing.

EVM is well integrated on a Tru64 UNIX platform with both AdvFS and cluster file system coherency. Applications can easily be quiesced to do snapshots and cloning with complete data consistency. Tru64 UNIX V5.1A now supports EVM V2, starting with the Initial Patch Kit.

For more information, visit:
www.compaq.com/products/sanworks/evm/index.html

New white paper: migration choices for AlphaServer/Tru64 UNIX users

Over the next few years, many Tru64 UNIX AlphaServer users will transition to Intel's Itanium® processor family as well as to HP-UX. There is no rush, however, because existing Alpha-based platforms and Tru64 UNIX will continue to be enhanced over the next few years and will be supported at least until 2011. Nonetheless, transition planning should begin now. This D.H. Brown paper explores various migration alternatives for AlphaServer/Tru64 UNIX users to consider.

To access the paper, visit:
www.tru64unix.compaq.com/pdf/dhbunixmig.pdf

hp and business partner training

finding OpenVMS and Tru64 UNIX technical training

The new HP has a curriculum of more than 40 courses that support AlphaServer, OpenVMS, Tru64 UNIX and TruCluster technical training. For a complete catalog of training courses for the Alpha Systems Division and a list of country training managers to help you identify the right training, send e-mail to: kenneth.bienstock@hp.com

Alpha Systems training is offered in all parts of the world, either through HP-owned and operated training centers or through agreement with Authorized Independent Training Partners. Both offer HP-developed training delivered by HP-approved instructors. To find the authorized training center nearest you, contact your local HP country-training manager.

North America training partners:

BRUDEN Corporation   www.bruden.com
Mind IQ   www.mindiq.com
The Parsec Group   www.parsec.com
Institute for Software
Advancement   www.softadv.com

EMEA training partners:
United Kingdom and Ireland, France, Netherlands, Italy:

Global Knowledge   www.globalknowledge.net

Germany:

Onsite Computer GmbH   www.onsite.de

United Kingdom and Ireland, EMEA:

HOST Computer Services   www.hostcomputers.co.uk

EMEA:

Europe Training &
Education Center (ETEC)   www.eurotrain-educenter.com

Sweden:

Cornerstone   www.cornerstone.se

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CRONOS   www.the-campus.be

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Compaq Greater China District Training Manager

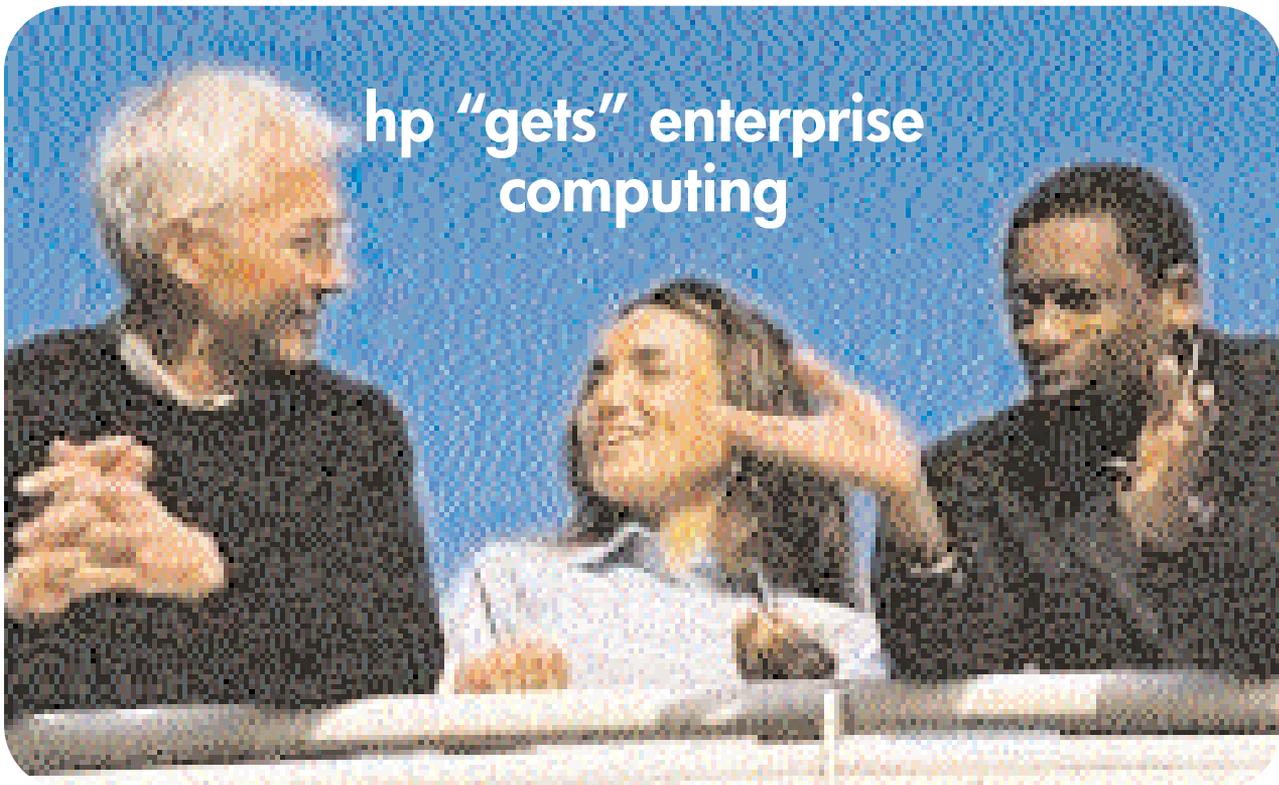# BRUDEN focuses on OpenVMS and Tru64 UNIX training

By Dennis O'Brien, Vice President, BRUDEN Corporation

BRUDEN is an Authorized Independent Training Partner that focuses exclusively on OpenVMS, Tru64 UNIX and programming. The company's training and development professionals average more than 15 years of industry experience and have extensive expertise in Tru64 UNIX and OpenVMS. In fact, most have published books related to these operating systems.

The result of this focus is that BRUDEN trains HP employees in engineering in Nashua, New Hampshire and Customer Support Centers in the U.S., Canada and around the world. The company delivers the most technical and demanding courses (such as Internals classes) as well as the standard system administration, programming and other system-level courses.

BRUDEN also develops OpenVMS and Tru64 UNIX course materials and produces the Tru64 UNIX Internals web-based document for HP. BRUDEN's course delivery/development professionals are not contractors; they work for BRUDEN, and maintain focus on OpenVMS and Tru64 UNIX. The company provides scheduled classes at the BRUDEN Training Center in Colorado Springs, Colorado. Most of these classes are also available for remote attendees via the Internet. BRUDEN also provides on-site delivery at customer locations upon request.

For more information, visit: www.bruden.com, contact bruden@bruden.com or call 719-531-6127.

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