



OpenVMS Strategy and Directions

session 3930



Mark Gorham Vice President, OpenVMS Division Hewlett-Packard hp

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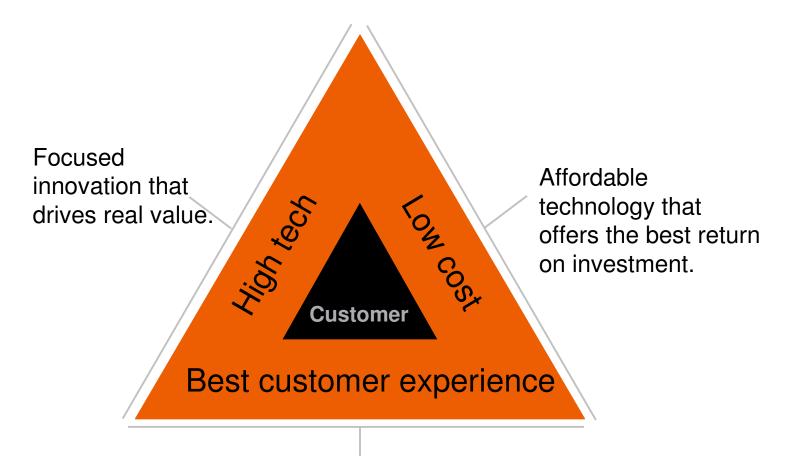
OpenVMS Update Agenda

- OpenVMS in the Adaptive Enterprise
- OpenVMS Roadmaps
- Your Trusted IT Advisor
- Bringing You Complete Solutions
- OpenVMS Marketing





HP Strategy High tech, low cost, best customer experience



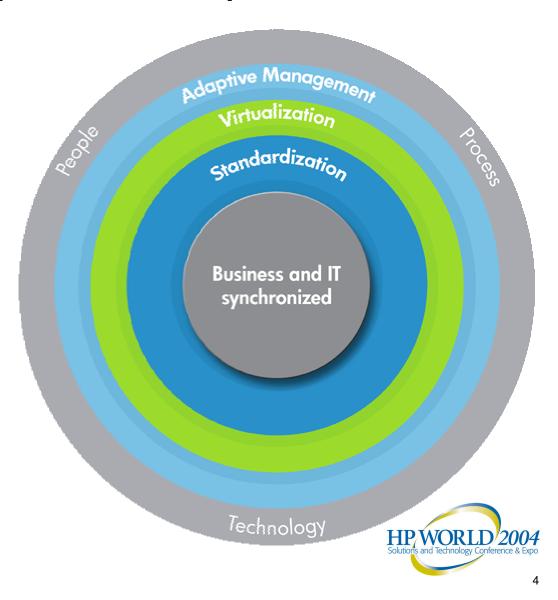
A superior customer experience with HP and HP technology.



A holistic approach: Building an Adaptive Enterprise



- Adaptive Enterprise Design Principles
- Darwin Reference
 Architecture
- People, process, technology
- Standardization
- Virtualization
- AdaptiveManagement



OpenVMS in the Adaptive Enterprise



ADAPTIVE MANAGEMENT

Insight Manager

OpenView

STANDARDIZATION

Integrity leadership ROIT, performance, HA

J2EE, .NET infrastructure, solutions

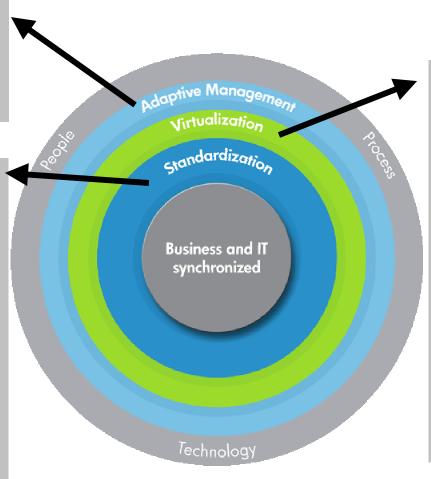
Security

TCP/IP V6

LINUX Interoperability

Global Services

Better Together:



VIRTUALIZATION

Clusters

Storage Solutions

Partitions

Disaster Tolerant Solutions

HP Managed Services

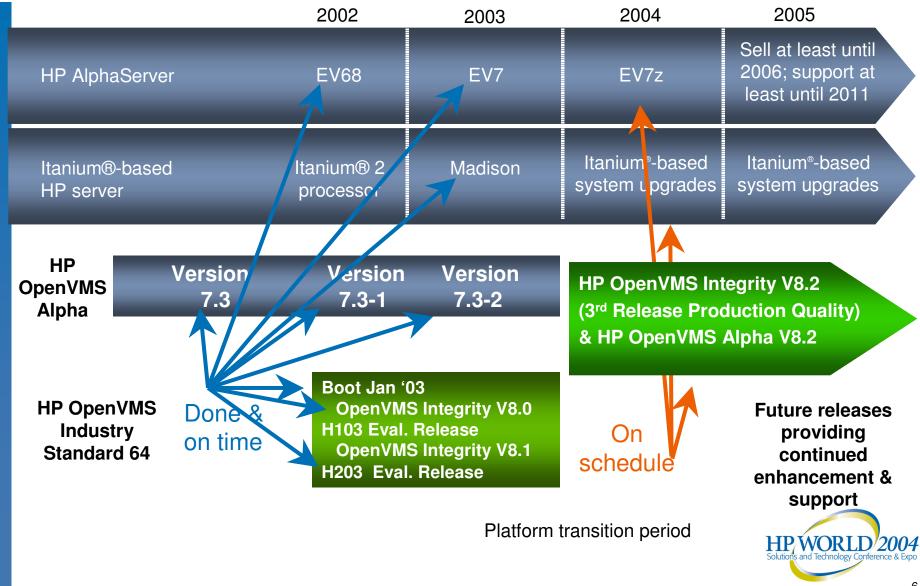
PPU

Workload Manager



HP OpenVMS Roadmap





HP OpenVMS Roadmap



2004	2005	2006	2007	2008
HP AlphaServer EV7z	EV7z	EV7z	Support until 2011	at least
HP Madison, Integrity Deerfield Server Systems	Itanium®-2 Madison 9 systems	Montecito systems	Next Generation Itanium®-based system upgrades	Next Generation Itanium®-based system upgrades

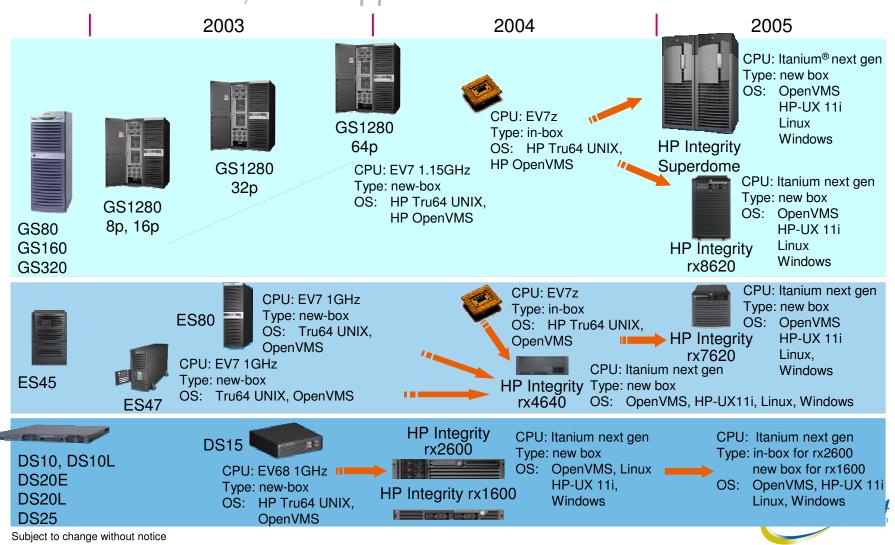
W8.2 •Production Quality •Mixed Alp Alpha Release and Integrity clusters	Superdome oha • hard and soft partitioning •Security, J2EE, .Net, LINUX	V8.4 •new Integrity systems •Performance •Scalability •Ongoing standards	V8.n •new Integrity systems •Ongoing standards •Adaptive Enterprise	
	interop		futures	





HP AlphaServer evolution

Sales until 2006, with support at least until 2011

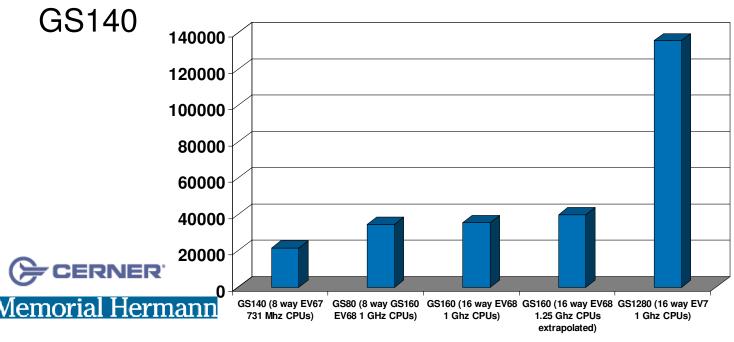


EV7+OpenVMS driving customer performance gains



- Running out of capacity on existing system.
- Solution based on Cerner Millenium software
- Replace 10 CPU GS140 with 8 CPU GS1280

Performance increase of up to 500% over previous





HP Integrity servers deliver on the promise of outstanding performance



Across diverse workloads

(TPC, SAP, Java, Oracle apps, SPEC CPU, and SPECweb 99_SSL)

Across multiple servers

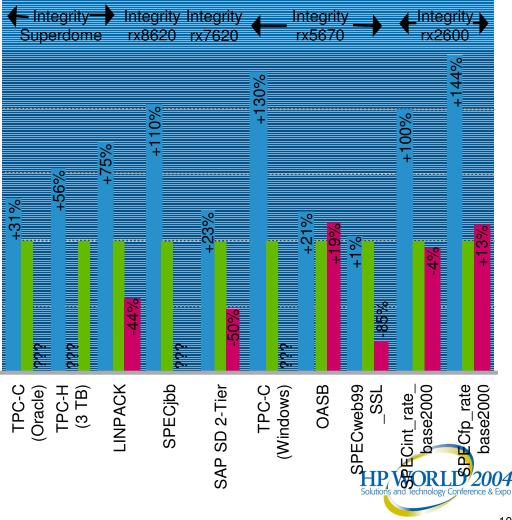
(Superdome, rx5670, and rx2600)

Across multiple operating systems

(HP-UX, Linux, Windows)



Relative Performance





Intel's long-term Itanium® roadmap





Lowering the Itanium® platform cost



- Today: Itanium exceeds RISC performance & price / performance
- Today: Itanium platform delivering superior price / performance vs Xeon™ on transaction processing
 - 30% more transactions at 10% incremental cost of platform/ OS / DB**
- Enabling technologies to achieve Itanium® platform cost parity with Xeon™ platforms by '07
 - Common platform components to lead to common platform infrastructure over time

By 07, Itanium® platform up to 2X Xeon™ platform in:

- Enterprise & technical application performance
- Number of cores / die
- Price/ performance

394-60% or higher. Based on web pricing: 4P Xeon processor MP & Itanium platforms (24GB RAM) from fon Computer; 2P platform (4GB RAM) from Dell

All products, dates, and figures are preliminary and are subject to change without notice.





OpenVMS for Integrity Servers Rollout Plan







Version V8.2

- rx1600
- rx2600
- ■Rx4640 up to 8 CPU's

All speed variants supported on these platforms

CPU: Deerfield

TBD: Madison 9

Note: No McKinley support, no rx5670

support

Version V8.3

- rx1600
- rx2600
- rx4640
- ■rx76xx
- ■rx86xx
- Superdome

CPU: Montecito Dual Core, 24MB,90nm Technology



OpenVMS Integrity Clusters Rollout Plan





Version 8.2

- ❖Up to 16 Nodes
- Expanded Functionality
- ❖Cluster Interconnect
 - Gigabit Ethernet
 - ■10/100 Ethernet

V8.2 (Warranted) V8.2 & V7.3-2 Alpha (Warranted)



Version 8.3

- ❖Full Functionality
- Cluster Satellite Boot
- ❖Cluster Interconnect
 - Gigabit Ethernet
 - ■10/100 Ethernet
 - Fibre Channel LAN
 - ■10 Gigabit Ethernet*TBD
 - ■Next-Generation Interconnect – post V8.3

V8.x (Warranted)
V8.x & V8.2 & V7.3-2
Alpha (Migration)

HP OpenVMS Integrity Packaging

New Operating Environment Options



•HP OpenVMS Mission Critical OE

•HP OpenVMS Enterprise OE

•HP OpenVMS Foundation OE

Easier to order, easier to sell: Follows HP-UX packaging, licensing, and pricing

Easier license management

Straight forward installation of OE's from a single DVD

Simpler support contracts

→ higher customer satisfaction



OpenVMS V8.2 Integrity Software available in December



- OpenVMS Operating System
- •DCL
- ·SMP
- Monitor
- •LMF
- •DCPS
- DCE Run-Time
- TCP/IP Services
- DECnet-Plus End System
- Decnet Phase IV
- OpenVMS Clusters
- Volume Shadowing
- RMS Journaling
- •DECram
- DECwindows Motif
- Secure Web Server / Browser
- Java
- Netbeans
- XML Technology
- SOAP Toolkit
- Enterprise Directory
- Management Station
- Availability Manager
- Enterprise Capacity Planner

- BASIC
- C
- C++
- COBOL
- Bliss
- Fortran
- Pascal
- DECset: CMS, MMS, LSE, DTM, PCA 8 SCA
- DCE Appl. Developer's Kit
- DCE Cell Directory Server
- DCE Security Server
- Distributed Queing Service
- Distributed File System
- Encryption
- FMS
- Raid Software
- WEBES
- Kerberos
- CDSA
- SSL (Secure Socket Layer)
- TDC2 Data Collector
- WEBM/CIM & Web Agents



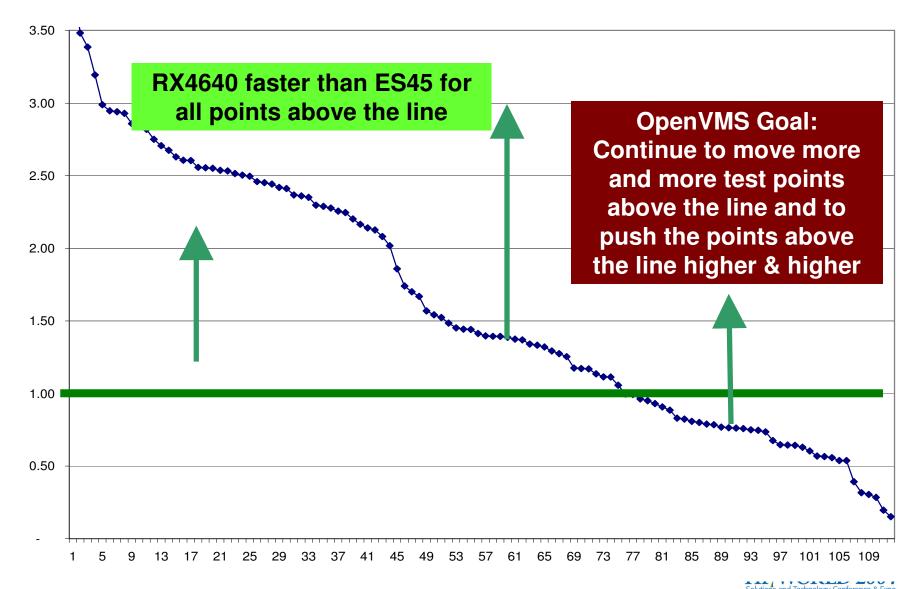
OpenVMS V8.2 Highlights

- General User Feature Enhancements
 - DCL, LMF, Time Zone, Monitor
- Performance & Scalability Infrastructure Changes
- RAS Improvements
 - Mini Merge, LAN Failover, Threads
- Security Enhancements
 - Kerberos, OpenSSL, CDSA,
- Extended LINUX Portability features
- Networking Enhancements
 - NFS Symbolic Links
- System Management TDC enhancements



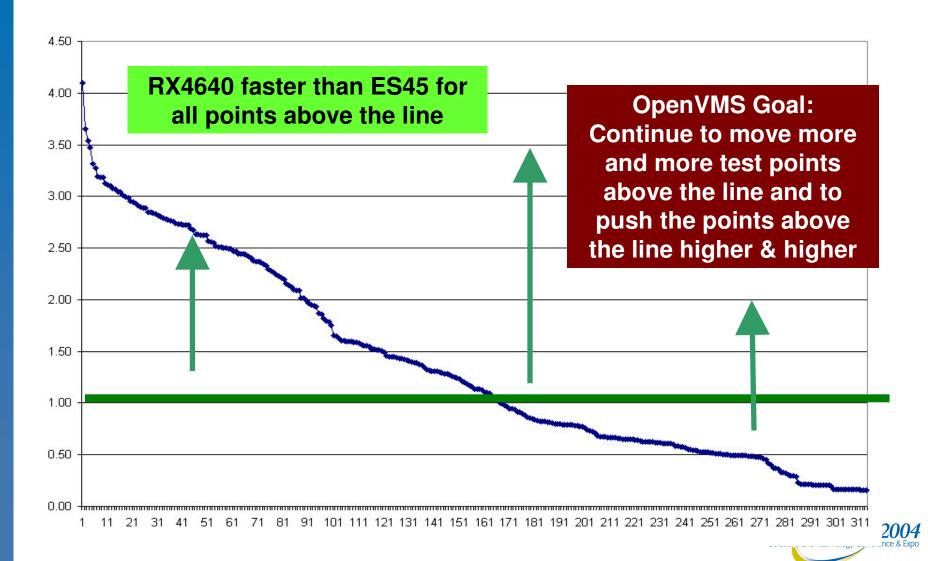
System Services Comparison – May 2004





System Services Comparison – July 2004





OpenVMS Futures:

Standards and Interoperability



Technologies

- Java J2SE including HotSpot
- LINUX/UNIX portability
- Web Services
 - XML, SOAP, UDDI, WSDL
- Security
 - Secure Software Delivery
 - ACME Login w/LDAP ACME
 - Kerberos ACME
 - OpenSSL upgrade
 - Kerberos V1.3.2
 - SSH Upgrade
- TCP/IP
 - IPv6 Enhancements
 - IPSEC
 - IP Filter

Business Benefits

- Increase the ROI of existing applications.
- Increase revenue and reduce costs by developing new revenue-generating solutions from existing applications
- Increase revenue and reduce costs by collaborating with partners and suppliers to streamline business processes
- Reduce costs by focusing resources on a simple application infrastructure



OpenVMS Futures: Virtualization



Technologies

- Pay-Per Use (PPU)
- Workload Manager (WLM)
- Process Resource Manager (PRM)
- WBEM
- Storage Area Networks (SAN) Storage virtualization

Business Benefits

- Improve ROI by providing business flexibility and agility at lower costs
- Lower costs by pooling resources that makes them easily accessible
- Improve service levels by allocating and relocating services where they're needed
- Link businesses with IT

OpenVMS Futures: Performance and Scaling



Technologies

- OpenVMS infrastructure changes
- TCP/IP scaling kernel
- New Cluster Interconnect
- I/O Scaling
- Increased Logical Block Numbers (LBN)
- Investigating >32 CPU Support
- User code in P2 space
- Fibre as a LAN
- Byte Range Locking
- File system enhancements
- LAN Failover

Business Benefits

- Laying the foundation for scalability and performance improvements in future releases of OpenVMS
- Provide investment protection by utilizing current system longer
- Grow your business without added expense and costly system trade-ins or upgrades
- Provide full utility of current system resources
- Provide longer life for applications, allowing expanded scalability and higher performance

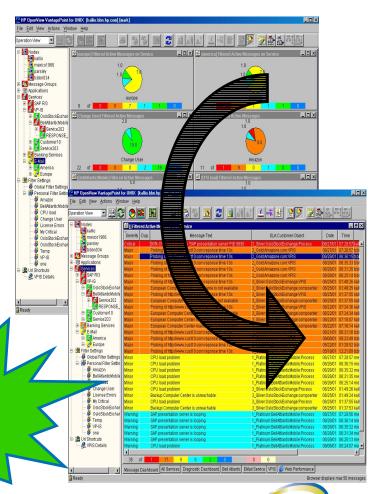


HP OpenView Operations for OpenVMS

- Enterprise management
 - Manage OpenVMS servers from an enterprise management system console
 - Real-time monitoring of an OpenVMS environment
 - Correlate events from OpenVMS with other systems
- Released V1.0 February 04
- January 2005 Itanium support
- Evaluating future schedules
 - Oracle SPI
 - Performance Agent
 - OVO8 support of agents

Shipping

NOW



HP Openvivis Roadmaps Great engineering <u>and</u> best-in-class quality



- Causal Analysis
- Expanded ECO testing
- Test tool improvements
- Continuous test plan improvements, 24x7 runs
- Integration cluster
- Services 'Top 10' customer focus areas
- Expanded product integration testing, RTR, TCP/IP, Web Integration Infrastructure, and Storage
- Expanded performance measurement
- Cluster consultants
- Expanded testing with Storage for storage products



Your Trusted IT Advisor



High-value high-touch programs

- Executive Council
- TAF
- 1280 High Touch Introduction
- Advanced Technical Boot Camp
- Web Site completely re-vamped, VMS Technical Journal
- Technical Update Days in Europe, Americas
- Customer Consulting Sessions
- Partner-supported customer events
- HP World, Encompass, Interex...



Your Trusted IT Advisor



From self-service to full-service; from complimentary to HP C&I

Dustomer

Services and tools

- Software transition kits, 1:1 consulting
- Plan, design, integrate, install, and manage
- Wide range of training from web-based to classroom, and white papers to "how-to" guides

Business Practices

Investment protection

Hardware, software, support programs

Flexible finance programs

Comprehensive portfolio of programs and option including trade-up, loaners, etc.

Partners

- Top industry ISVs committed to Itanium
- Ecosystem ready
- Joint marketing initiatives
- Strong partnerships across HP-UX, Windows, Linux, and OpenVMS

• e3000

- AlphaRetainTrust
- HP 9000



Bringing you complete solutions Major focus on services excellence



- OpenVMS Ambassadors: 200 elite technical field engineers with deep OpenVMS expertise
- Frequent Customer Service, Consulting and Integration, and HP Lab partnerships with customers, partners, geographies
- BCS Services joint solutions programs
 - Business Continuity
 - Security
 - Integration Technologies
 - Architectural Migration
- Continue to protect Customer OpenVMS investments with long term support for VAX, Mature Product Service, Prior Version Service, Business Critical escalation support

Bringing you complete solutions Major focus on Partners and ISVs



- Oracle and BEA high priority efforts including Oracle Web Shelf, porting/tuning support
- Tight partnerships with key Vertical partners
 - Finance
 - Healthcare
 - Telco
 - Government
 - Manufacturing
- Large Investment in OpenVMS ISV Lab
- FastTrack, DSPP, EAKs for Itanium port support
- Quarterly Top 10 ISV requests to engineering



Overall status of OpenVMS HP Integrity Server partner support



The OpenVMS ISV Fast St2AB, Inc., ACUCORP, Inc., Acxiom Corporation, ADL Data Systems Inc., ADMINS Inc., Advanced Systems Concepts, Inc., Albany Software Ltd., ALI Database Consultants, Alpaje, Amzi! inc., Applied Information Systems, Inc., Appmind Software AB, APT Management Solutions, Pty Ltd, Arcadd Enterprises, Aster, Attunity Inc., bChat Pty Ltd, BetaData Systems, Inc., BIOS, Software GmbH, BMC Software, Inc., BMS Software planned of or portato open VMS. Integrity. Servers vamore Life Associates, Data Processing Engineering S.R.L., Deutsche Bourse, Systems AG, Digiflex Information Systems, Inc., Digital Global Soft Limited, Digital Information Systems, Digital Networks, Distribution Management Systems, Inc., Double A Technologies, Group, DPD International, DS Data Systems (CODD) DOUBLE Start Will Hisolve.com, inc., EDS Information Business GmbH, EDS Software Engineering and Products, (SWEP), Eiger Systems Limited, Envoy Technologies, Inc., Ergonomic Solutions, Ericom, Software, Inc., eSignal, a division of Interactive Data Data Broadcasting, Corp.), EssNet AB, Eyelit Incorporated, Faxport Inc., Financial Accounting Systems, Inc., Financial Models Company Inc., FORTEL Inc., GENEOUS SOFTWARE AG, Genetek Earth, Research Corporation, Geometric Solutions Inc., Global Informatica S.r.l., motter Softward, 30 attenue for the fire of the Control of Control crosystems Lithography Ltd., LIWACOM Informationstechnik GmbH, LUTECH S.p.A., MadGoat Software, Mainsource Software Corporation, Coppension, Maximum Coppension, Coppension, Maximum Coppension, Coppe g Dynamics Corporation, New York University Medical, Center, Noack & Partner, SBPA Systems, Inc., SchlumbergerSema Finance (Capital Markets), SchlumbergerSema, Telecom (formerly Sema Telecoms), SCJ Consulting, SHD Datentechnik GmbH, Shell, Global Solutions In<u>ter</u>national B.V., Sigma S<u>vs</u>tems, Inc., SIMC<u>O</u>. SoftLink Ltd., Softsys OY, Software AG, TECSys Development, LP (TDI), TELINTRANS, Terabase Corporation, Trifox, Inc., Upright Database Technology (formerly Mimer Infomation /AI, Industries Ltd., VCS Aktiengesselschaft, Vista Control Systems, Inc., Viveo Cognitive Systems, (formerly Logos-CSE sa/nv), West Sign Limited, X9000, XLNsystems, Inc., Xora, Inc., XuiS Software Ltd., Yartoo Software Pty Ltd.

OpenVMS Integrity ISV roadmap Planned Availability (1 of 10)



Available now (July '04) for 8.1

CRM/BI

Acxiom AbiliTec-Enabled Services,
InfoBase, Solvitur Interactive
Thoroughbred AEK Recreation Management
and Accounting, Gateway for Windows,
Inquire-IV, TS ODBC DataServer, TS ODBC
Read/Write DataServer, TS Oracle
DataServer, TS ReportServer

Database

db4o - database for objects

MySQL—Open Source Database

Application Development tools

Acucorp ACUCOBOL-GT Development System

Alpha Point Servizi di Migrazione da sistemi VAX verso piattaforme Hp

Cyclades Alterpath ACS Serial Console Servers

Hamilton Hall Consultants LEO Asset Management, LEO Product Lifecycle Management

SeeBeyond Sweden AB ICAN Suite 5.0
Acucorp ACUCOBOL-GT Runtime System
Attunity Application Connect, Connect
Family, Connect for Adabas, Connect for
BEA WebLogic.

Gimpel Software FlexeLint for C/C++
Thoroughbred IDOL-IV, OPENworkshop,
TbredComm, Basic, Environment, TS
ChartServer

E-commerce

Attunity MANCAL 2000

Middleware/Integration SW

Attachmate myEXTRA! Presentation Services

CenterPoint Application Suite, Integration Suite

TELINTRANS WASD environment tools Thoroughbred T-WEB

VSM Software WASD Web Server SeeBeyond Sweden AB ICAN Suite 5.0 Thoroughbred TS Network DataServer Predict Ability PLUS PA+... Call Manager,

Predictive Dialer System

Accelation OPSSUITE

Attunity Application Connect, Connect Family, Connect for Adabas, Connect for BEA WebLogic, Connect for BizTalk, Connect for OpenVMS, Data Connect (formerly ISG Navigator)

BEA MessageQ

Ericom PowerTerm Pro and PowerTerm Pro Enterprise, PowerTerm WebConnect DataServer for MS SQL Server, VIP for Dictionary-IV

WRQ Reflection for UNIX and OpenVMS Columbia University C-Kermit Ericom PowerTerm InterConnect Thoroughbred DataSafeGuard, TS WebServer

Training

BRUDEN OpenVMS training services TST Partners custom training services

Available for OpenVMS V8.2 ship (Dec

ОфМ / ВІ

Digiflex Information Systems Inc. LAZER DBMS Geneous Software AG GENEOUS OpenVMS

Database

Computer Associates gAdvantage Ingres Enterprise Relational Database GrayMatter Software Corporation Xentis Data Management

Oracle Corporation Oracle Rdb Suite (Rdb, CDD, Trees, and Codesyl

Oracle Corporation Oracle Rdb Suite (Rdb, CDD, Trace, and Codasyl DBMS)

Systemic Engineering and Consulting AG (SEC) 1.01 i-engine

Application Development tools

AFTECH Advantage

Appmind Software AB AppMind Developers Pack

B + B Unternehmensberatung GmbH & Co. KG B + B migration services

Cognos UDA, PowerHouse 4GL, PowerHouse Web

Compuware UNIFACE

InterSystems Caché. Ensemble

LDRA Ltd LDRA Testbed

PageWeavers LLC Shopping Cart for VMS

Software Engineering of America, Inc. (SEA) UC4

SPS Gensys Gensys Desktop Installer (GDI)

Trifox DesignVision, GENESISsql, VORTEX, VORTEX Programming Interfaces

UC4 UC4:global

Vista Control Systems License Management Utility

Middleware/Connectivity/Integration SW

2AB, Inc. orb2

Acucorp. Inc. AcuConnect Thin Client

Ericom PowerTerm Host Publisher

IBM WebSphere MQ

IBI iWAY Enterprise Adapter (formerly EDA)

PageWeavers LLC Shopping Cart for VMS

Synergex PVCS Configuration Builder, PVCS Version Manager,

Synergy/DE

TIBCO Rendezvous

WRQ Reflection for the Web

OpenVMS Integrity ISV roadmap Planned Availability (2 of 10)



Available now (July '04) for 8.1

Available for OpenVMS V8.2 ship

System Management

MVP Systems JAMS

Quadratrix gcv QJPI, QTC, QUAI

Redwood Cronacle

TECSvs ConsoleWorks

VSM Software OperCon

Integration and Solution Services

2AB, Inc. iLock Security Services

ArrAv software engineering

CCSS operations and systems consulting

Cornerstone Sweden AB OpenVMS training

Corporate Microsystems Limited (CML) Centre of Excellence

COS Concat AG professional services

Delta Computer Products professional services

Dewberry professional services

Digital Engineering Corporation app and database migration

Digital Information VMS consulting

EMA Technology OpenVMS systems consultancy

Francis Data professional services

Gardner Allingham Paton OpenVMS professional services

Geier professional services

Great Northern OpenVMS professional services

Hot Toaster Technologies software development

IT-Ingenieurteam consultancy

Opin Kerfi professional services

Popejoy Solutions and services

Predict Ability PLUS systems integration

Quadratix professional services

Quayle consulting services for CRISP/32 and data migration

Resilient VMS Systems engineering services

S D Information Technology services

Softlab support services

System Management Associates, Inc.

VSM Software Services Pty Ltd

VX OpenVMS professional services

XDelta consultingbbb

System Management

Gensys Gensys Monitor Suite (GMS)

Legato Software, a division of EMC Legato NetWorker OpenVMS Client and Storage

Node with ODS-5 support, Legato NetWorker OpenVMS Client and Storage Node,

FASTCopy, FASTCopy Server, FEST

Appmind Software AB AppMind OpenVMS
Agent

AppWorx Corporation AppWorx Enterprise Scheduler

Automation Technology Computing, Inc. (ATC)
Command File Scheduler

Computer Associates Unicenter Console Management for OpenVMS

COMTEK Services, Inc. NMServer SNMP Agent for VMS

CONNX Solutions, Inc. CONNX, CONNX Data Synchronization

Data Processing Engineering S.R.L. GESDIS
Essential Computing Ltd. THRUnet, THRUway,
HIERARCHY, TAPESYS

Geneous Software AG ACCOUNT GENEOUS, PASSWORD GENEOUS

GFR Software Solutions AG System Management Outsourcing service

GrayMatter Software Corporation ScriptServer Pan Printing System, ScriptServer Printing

Great Northern Services, Inc. PerfCenter Heroix eQ Management Suite

Itheon Ltd iAM: Applications for Oracle, iAM:Servers

Legato NetWorker Module for Oracle on OpenVMS

Networking Dynamics CompuFax, MultiSessions

PARSEC Group, Inc., (The) Online System Manager (OSM)

PDV-SYSTEME GmbHF PDV-TMS

PerfCap Enterprise Capacity and

Performance Planner (eCap), Performance Analysis Web Zone (PAWZ)

PerfCap Corporation FindIT: An Asset

Management Software

Process Software SSH for OpenVMS,

PreciseMail Anti-Spam Gateway, MultiNet for OpenVMS, TCPware for OpenVMS

Quadratrix gcv QSPI

Soft Link AG TOMAS, B-Hub (Clients)

Software Partners, Inc. DateSim, THRUnet, THRUway, HIERARCHY, TAPESYS VMS

SPS Gensys Desktop Manager (GDM)

STORServer, Inc. STORServer Data

Protection, Archive Backup Client (ABC)

True Blue Software Company SnapshotCM XuiS Software Ltd. SightLine, XS-

EnterpriseBACKUP

Young Minds, Inc. CD Studio+ (CD-R CD Recording System), DVD Studio (DVD Recording System)

Turn-Key Distribution Systems, Inc. TBS XuiS Software Ltd. XS-EnterpriseSCHEDULE Braintree Development AUDITOR Plus

Logica Systems Laboratories Data Wizard

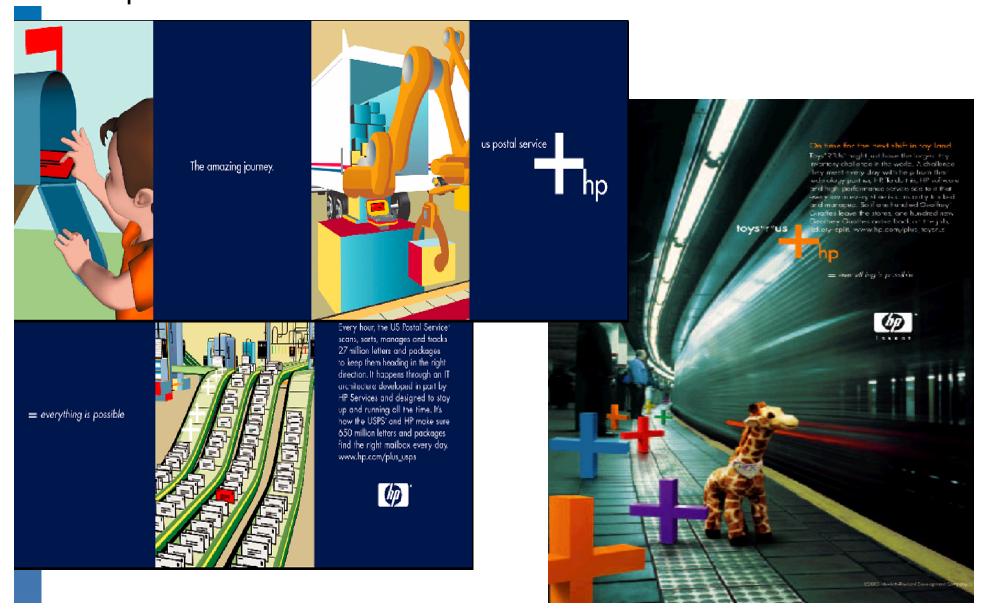


Quotes from recent porters

- "By the way, to get those 3 million lines of code compiled, we had to change 6 lines, where the compiler seemed to be a bit picky about type casts, and a GOTO within a loop."
- "The ease of the port to Itanium 2 under OpenVMS exceeded our wildest expectations. We carried out the exercise using HP facilities during the ISV Developers Forum for Itanium2. The application sources copied from our Alpha built without any changes even including a small quantity of legacy Vax Macro-32 source! Regression testing has so far not shown up any problems whatsoever with the application and we look forward to rolling out the new platforms to key customers at an early date."
- "There were approximately 75,000 lines of C and MACRO-32 source code to compile and that the complete port including restoring of data and programs to the system, compiling the code and running it took 30-35 minutes before I ran the main application and had no issues at all."

HP Advertising OpenVMS Customers: US Postal Service, toys "r" us and the Adaptive Enterprise





OpenVMS Advertising: Field and Channel Partners





Top news story: HP OpenVMS operating system to power world's first integrated trading engine

Security: External

Singapore Exchange, Ltd. (SGX) has chosen the OM CLICK XT marketplace solution running in the HP OpenVMS environment to power the world's first fully integrated exchange trading engine. The new trading engine, known as the SGX Quotation and Execution System for Trading (SGX Quest), will support all trading, from traditional securities and derivatives to advanced cross-border trades. SGX, which expects to spend S\$16 million to implement the new trading engine over the next year, selected OM's high-performance marketplace technology running on the OpenVMS operating system following a rigorous analysis of several trading technologies.

ComputerWeekly.com



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Technology: Servers

by Colin Butcher

Tuesday 13 July 2004

Hack-proof and crash resistant have you discovered the OS world's best-kept secret?

OpenVMS offers unmatched robustness for business-critical apps

OpenVMS (originally known as VMS) is probably the best designed and most robust general purpose operating system in existence. It is also one of the least-known and appreciated, simply because it works quietly in the background without drama, unlike its noisier and more fussy siblings and offspring.

You will typically find OpenVMS in any environment that is serious about high availability, disaster tolerance, security, performance and scalability, especially when running real-time applications. Users include banks, stock exchanges, healthcare, manufacturing, aerospace, online billing, lotteries, chip manufacturing, oil and gas production, power stations, railways, government and secure public sector applications. In short, anything that really has Print this page >>



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BUSINESS SERVICES

VA Hospitals Sign HP To \$784 Million IT-Support Deal March 24, 2004

The Department of Veterans Affairs hired Hewlett-Packard to a 10-year IT support services contract.

By Paul McDougall

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The Department of Veterans Affairs has tapped Hewlett-Packard to support information systems at VA hospitals throughout the country and in the Philippines. Under a 10-year, \$784 million deal announced today, HP will provide support and maintenance for the VA's Vista Health Information System.

Vista is a centralized system that automates record keeping at all 178 VA hospitals. It's deployed on clusters of HP Alpha servers running OpenVMS software. VA officials say rising clinical and administrative workloads led them to seek an expanded services arrangement with HP, which has provided IT services to VA hospitals since 1983. More than 4.5 million patients received care at VA facilities in 2002 and 6.8 million people are enrolled in the VA health-care system.

Advertisement





HP Integrity servers are taking off, as are the companies using them.

Companies adopting HP Integrity servers, powered by industry-leading Intel® Itanium® 2 processors, are seeing remarkable gains in performance. The momentum is building. One after another, companies are choosing HP Integrity servers. Leading software and technology partners such as BEA, Microsoft®, Oracle, SAP and Siebel Systems have embraced the platform as an industry standard. And with the ability to manage a mixed environment of UNIX, Microsoft® Windows®, Linux and OpenVMS HP Integrity servers are fast becoming the ultimate consolidation tool.

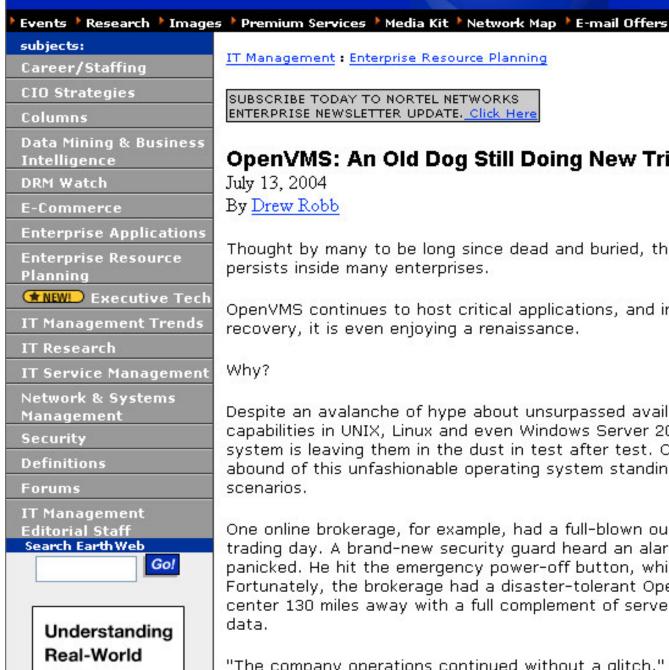
Demand maximum performance, reliability and cost-efficiency now, on a platform that will carry you forward into the future. Demand performance that's

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June 21, 2004

DATAMATION





IT Management : Enterprise Resource Planning

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OpenVMS: An Old Dog Still Doing New Tricks

July 13, 2004 By Drew Robb

Thought by many to be long since dead and buried, the OpenVMS operating system persists inside many enterprises.

OpenVMS continues to host critical applications, and in some areas such as disaster recovery, it is even enjoying a renaissance.

Why?

Despite an avalanche of hype about unsurpassed availability, fault-tolerance and security capabilities in UNIX, Linux and even Windows Server 2003, the OpenVMS operating system is leaving them in the dust in test after test. On top of that, real world examples abound of this unfashionable operating system standing up to the most rigorous disaster scenarios.

One online brokerage, for example, had a full-blown outage right before the start of the trading day. A brand-new security guard heard an alarm emanating from a UPS device and panicked. He hit the emergency power-off button, which took down the whole site. Fortunately, the brokerage had a disaster-tolerant OpenVMS cluster and a second data center 130 miles away with a full complement of servers and complete backup of stored data.

"The company operations continued without a glitch," says Keith Parris, a disaster

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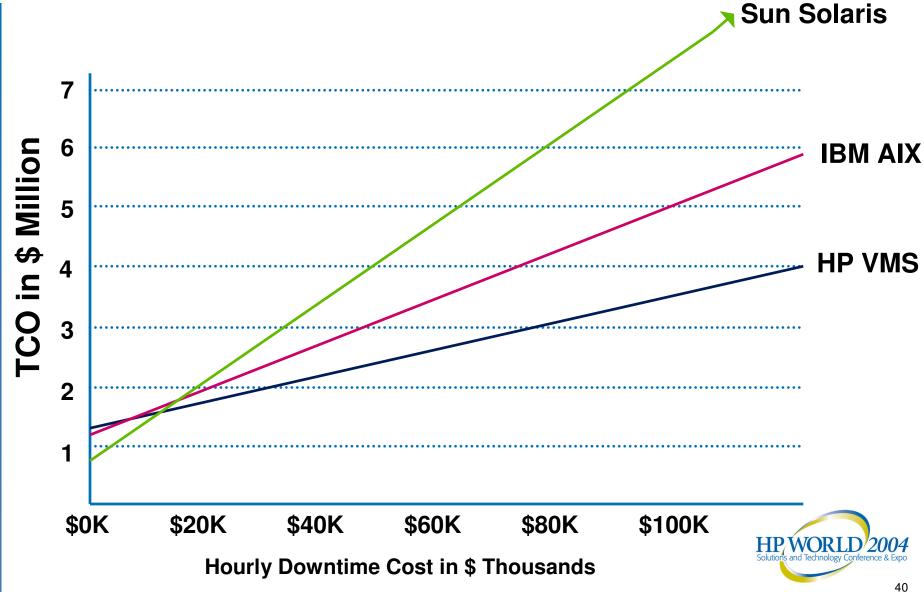
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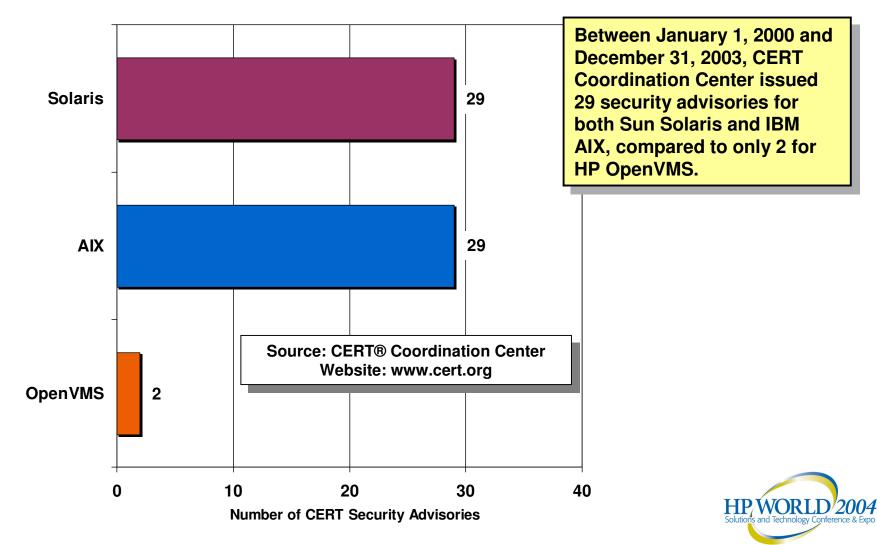
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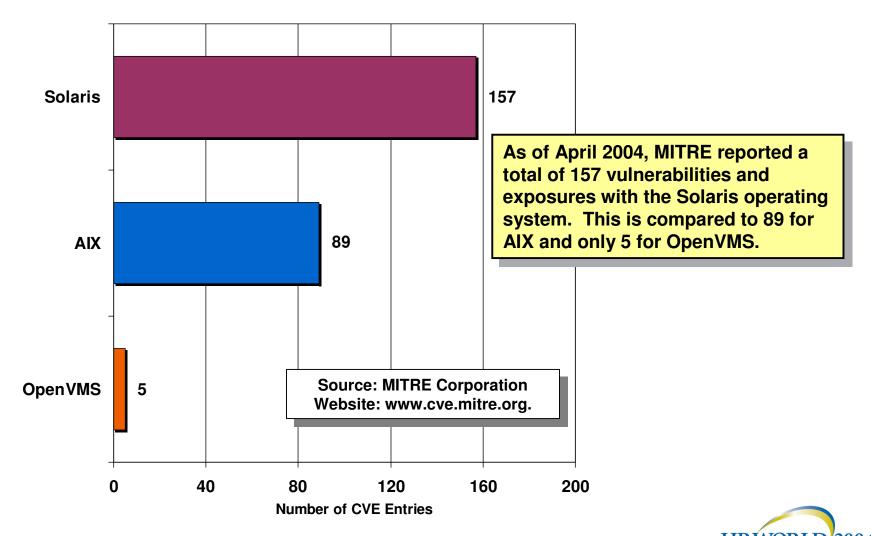


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OpenVMS Strategy Summary

- The Adaptive Enterprise now brings and in the future will bring better RoIT to customers
- OpenVMS solutions now do and in the future will get great value from participating in the Adaptive Enterprise

Integrity Systems

- Printers

Storage

Virtualization

Web Integration Middleware

Flexible purchasing

OpenView

- best-in-class services

- OpenVMS has met and is on track to meet our roadmap commitments
- Customers, Services, Solutions, and Marketing continue to be key focus areas to help OpenVMS business success

For More Information

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