



26. DECUS Symposium
Bonn

OpenVMS Update Product Roadmaps

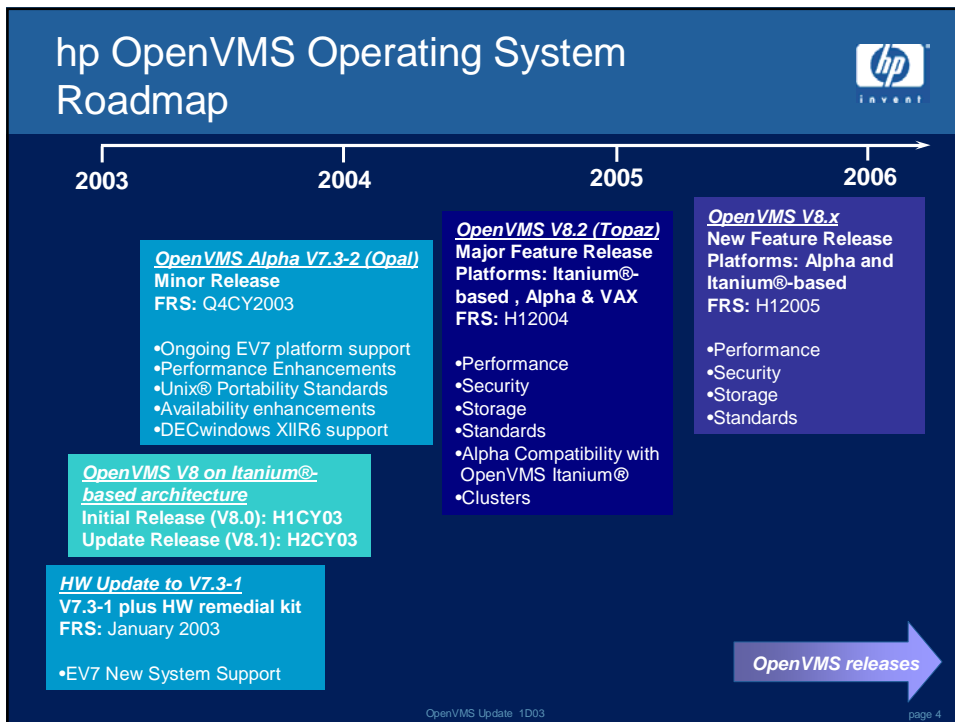
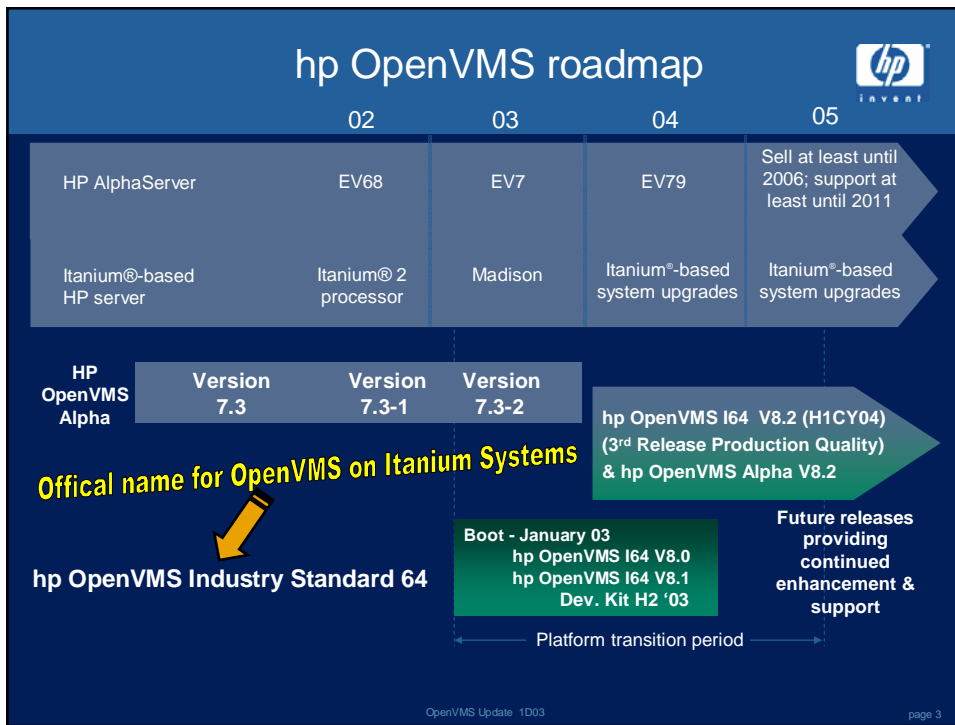
Helmut Ammer
OpenVMS Support
CSSC München

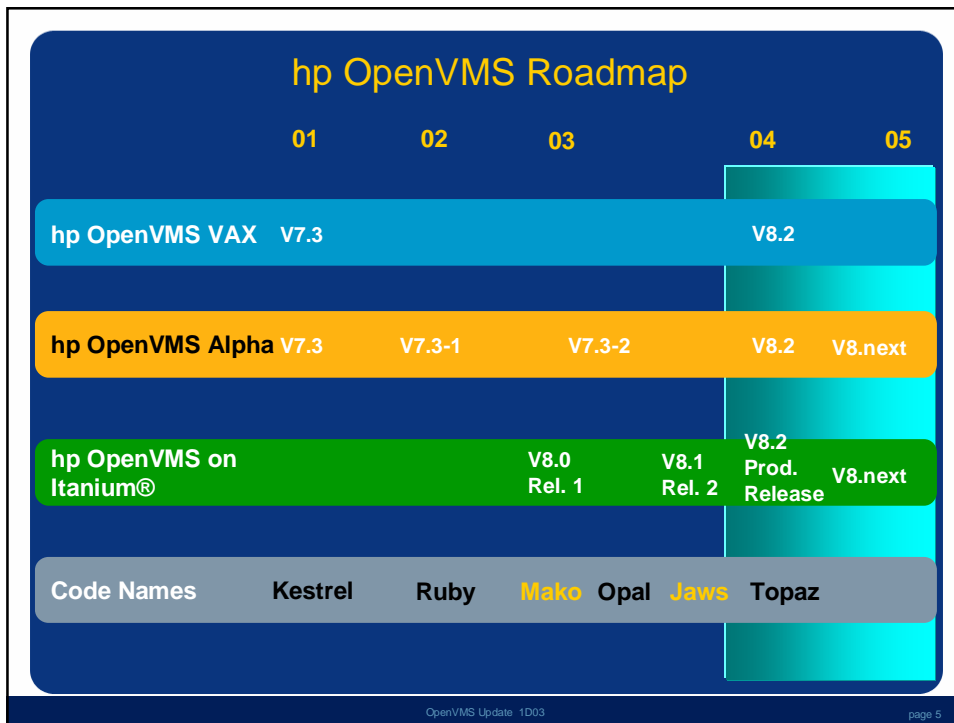
1D03

Überblick




- OpenVMS Base Directions & Roadmap
- OpenVMS Releases 2002
- OpenVMS Support für ES47 und GS1280
- Zukunft
 - OpenVMS Alpha V7.3-2
 - 2003 Itanium-based System Plans
 - OpenVMS V8.0 (Itanium EAK)
 - OpenVMS V8.1 (Itanium EAK)
 - 2004 VAX/Alpha/Itanium Plans
 - OpenVMS V8.2 (Topaz)
- Prior Version Support






OpenVMS Releases 2002



- OpenVMS V7.3-1
 - Auslieferung: Seit September 2002
 - Focus Areas:
 - System Performance
 - Fibre/SAN Environment
 - RAS Feature
 - Security
 - Easier porting of UNIX application to VMS
 - C-RTL & RMS enhancements
 - New hardware support
 - Compaq Secure Web Browser (based on Mozilla)



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EV7 System Support: AlphaServer ES47 and GS1280



- Verfügbar seit Januar 2003
- EV7 Plattformsupport enthält:
 - ES47 Server und Tower: 2 bis 4 CPUs
 - GS1280 Server: 2 bis 16 CPUs anfänglich
 - USB Keyboard und Mouse Support
 - Alle augenblicklichen Storage und Cluster Interconnect werden unterstützt
 - Memory Channel Support kommt später
 - Neuer Gigabit Ethernet Adapter wird mit EV7 Plattform Release unterstützt: Cluster Support später
- Keine Applikationsänderungen notwendig

Where to Find OpenVMS Support for AlphaServer EV7 Platforms



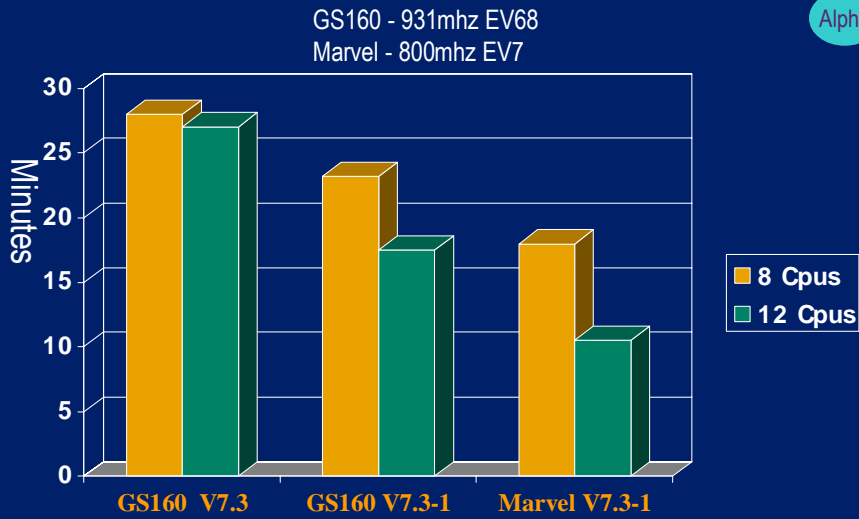
- OpenVMS Requirements:
OpenVMS Alpha V7.3-1 plus TIMA Update kit
 - URL for update kit:
http://www.openvms.compaq.com/serv_support.html
 - ECO kit name: VMS731_EV7-V0100
- hp OpenVMS New Features and Release Notes for EV7 systems posted on website: (Look under “what’s new”)
<http://www.openvms.compaq.com/doc/>

OpenVMS Performance Improvements

Financial End of Day Processing



Alpha



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hp OpenVMS Rollout Plan for AlphaServer EV7 Systems



Alpha

H1 03

H2 03

H1 04

H2 04

Jan. 2003: First Systems ship and EV7 Products announced

AlphaServer ES47 and GS1280
With OpenVMS V7.3-1 +ECO update

First Ship

H1 03: Additional hardware support

Memory Channel
New 2D/3D AGP and PCI Graphics adapter
New PCI-X mode Fibre Channel and Gigabit
Cluster support for new Gigabit Ethernet
Hard partitioning
Soft partitioning (Galaxy)

Q3 03: Larger EV7 Systems with new OS release

Support for 32P in single partition
Support for mixed CPU speed support

2004: EV7 Chip update

Support for EV79

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- OpenVMS Alpha V7.3-2
- 2003 Itanium-based System Plans
- 2004 VAX/Alpha/Itanium Plans



- **Target field test start date = May, 2003**
- **Target shipment date = Q4CY2003**
- **Focus Areas:**
 - System and I/O Performance Enhancements
 - Security Features
 - System Management
 - More updates for e-Business and integration
 - More UNIX Portability features
 - Availability Features
 - System Support



System and I/O Enhancements

Improved Performance!



Alpha

Potential candidates include:

- LAN and PEdriver Fastpath
- Sched Spinlock enhancements
- Working Set in S2 space
- XFC Performance enhancements

OpenVMS Security



Extend the OpenVMS security model to the enterprise

- Support standards based security technologies for secure heterogeneous communication
 - CDSA (common data security architecture)
 - Kerberos V5 API's, KDC (key distribution center) and GSSAPI V2
 - OpenSSL (secure socket layer)
 - SSH V2 (secure shell) arriving in the first half of 2003
- Provide Open Source security tools
 - Stunnel (secure tunnel)
 - GnuPG (encryption for mail and support of digital signatures)
- Expand OpenVMS authentication
 - SYS\$ACM API is a single API call simplifying application authentication
 - An ACME (authentication and credential management extensions) SDK will be available with OpenVMS 7.3-2
 - An LDAP ACME agent SDK will also be provided

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OpenVMS System Management

Updated Management Tools!



Alpha

Potential Candidates Include:

- The Data Collector
- Performance API update
- Availability Manager V2.3

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E-Business and Integration

Expanding the OpenVMS eBusiness Offerings!



Alpha

- SWS V1.4 (based on Apache 1.3.x)
 - including updates for Perl, PHP, and CSWS_Java (Tomcat)
- SWS V2.0 (based on Apache 2.0)
- XML V1.1
- SOAP Toolkit V1.1
- SWB V1.2
- Software Development Kit (SDK) v 1.4.1, *for the Java platform*
- NetBeans 4.0
- RTR V4.2
- COM V1.4
- Attunity Connect 4.0 “On Platform” Package
- Enterprise Directory V5.3
- BridgeWorks V2.2

Unix Portability (UP)



OpenVMS will be like any other “UNIX flavor” for easy application portability

- C-RTL (delivering UNIX style API's on OpenVMS)
 - Introduced UP with C-RTL features like UNIX file names, 2 GB files, POSIX root, 64-bit pointers in signals in V7.3-1
 - Currently improving performance of API's and adding function like binary tree, Glob
 - Work will continue on more UNIX feature like signals, byte range locking, symbolic links and fork()
- GNV (providing a UNIX style shell and utilities)
 - Introduced UP with a UNIX style shell (BASH) and utilities in V7.3-1
 - Currently improving compiler interfaces (CC and GCC commands)
 - Adding new tools like BZIP2, GAWK and MAN
 - Continue to improve configure and MAKE

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Availability

Enhanced availability!



Alpha

Potential Candidates Include:

- Dynamic Volume Expansion
- Dissimilar Device Shadowing
- LAN Failover
- Component Indictment for CPUs
 - Ability to detect and report a failing hardware module

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OpenVMS Cluster Version Support



	Version 7.2x	Version 7.3x
Version 7.2x	<i>Warranted</i>	Migration
Version 7.3x	Migration	<i>Warranted</i>



New 2003 Roadmaps for Key Areas

....Coming Attractions

DECwindows V1.3 For OpenVMS



Alpha

- DECwindows V1.3
 - Available January 2003
 - New and enhanced X server extensions
 - Support for X11R6.6
 - Enhanced font support
 - equivalent to Arial, New Times Roman, and Courier New TrueType fonts
 - Inter-client exchange (ICE) and session management protocols
 - Enhanced user-based and new token based access control mechanisms
 - LBX proxy server and proxy management applications
 - Multithreading support

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TCP/IP Services for OpenVMS



2003 2004 2005 2006

TCP/IP V5.4 (Oct 2003)
Featuring IP security and performance enhancements

- SSHv2 client functionality
- FailSAFE IP (IP fail over)
- Scaleable kernel
- TCP/IP kernel updated
- Perf enhancements to Telnet server locking
- NFS Server Performance enhancement
- 10k+ BG device support
- Bind 9.2.1 upgrade
- SSL POP Security
- INETDRIVER perf update
- TCPDUMP Support

FailSAFE IP
PCSI EAK
(Feb 2003)

SSHv2
PCSI EAK
(Feb 2003)

TCP/IP V5.5 on Itanium® (H1 2004)

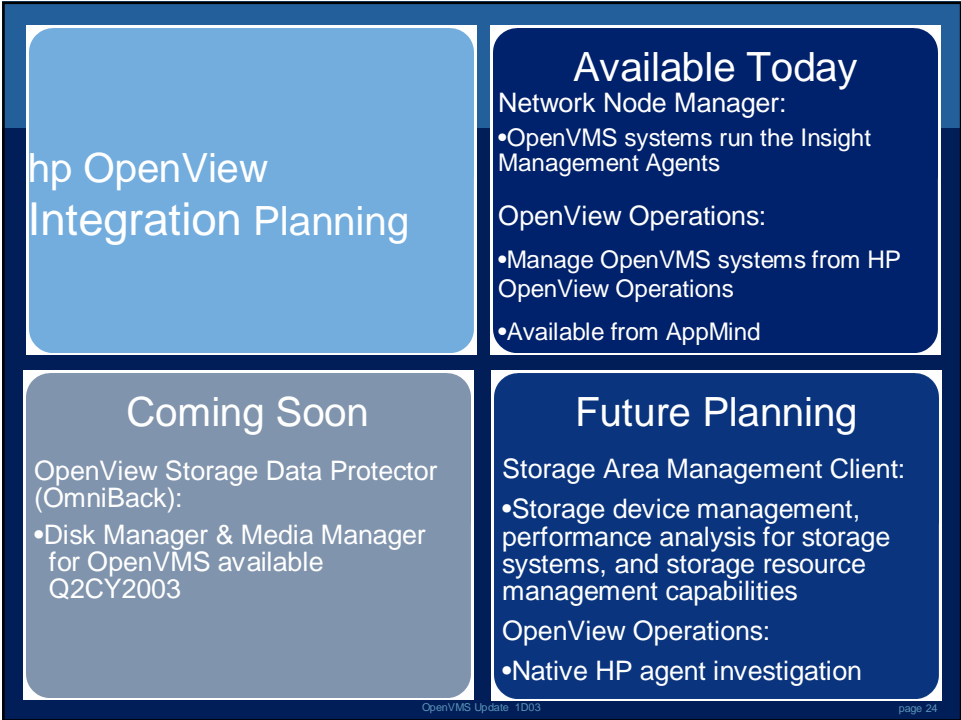
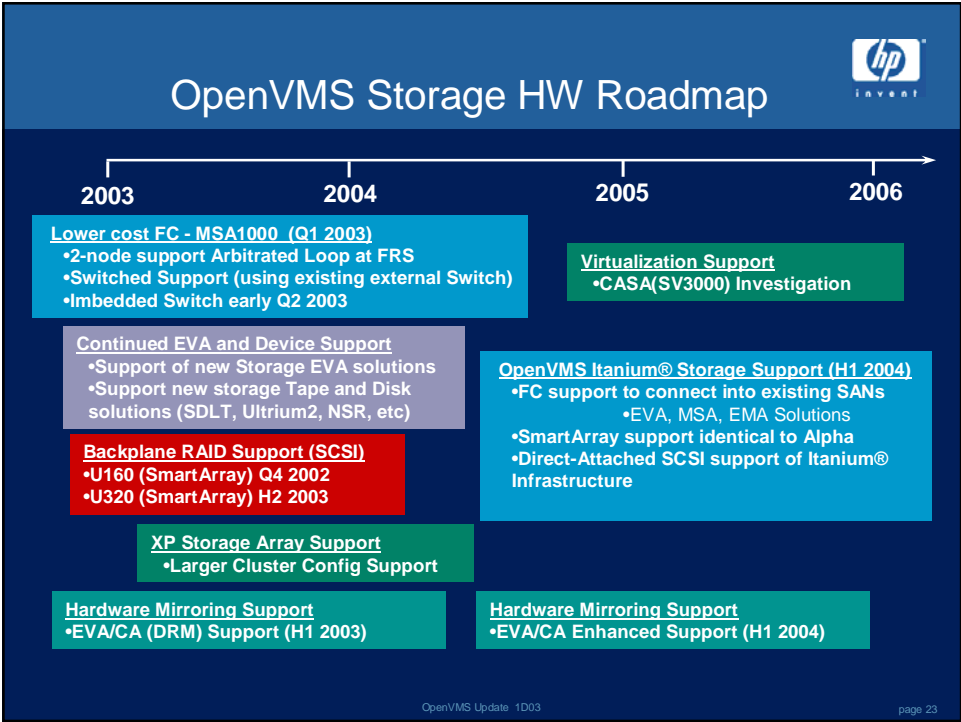
- Support for OVMS V8.2

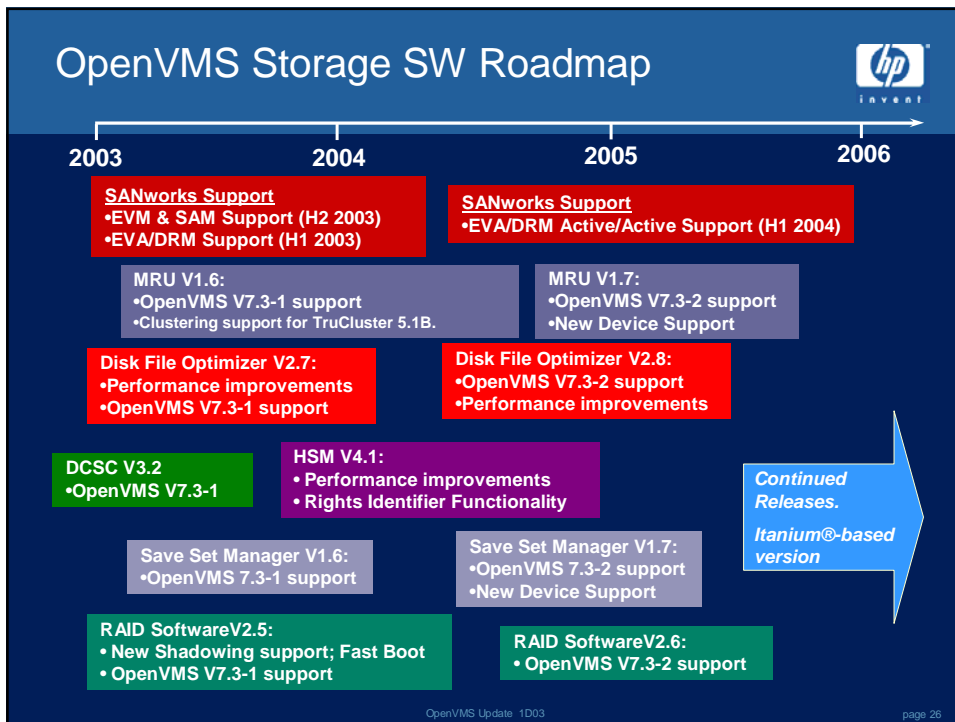
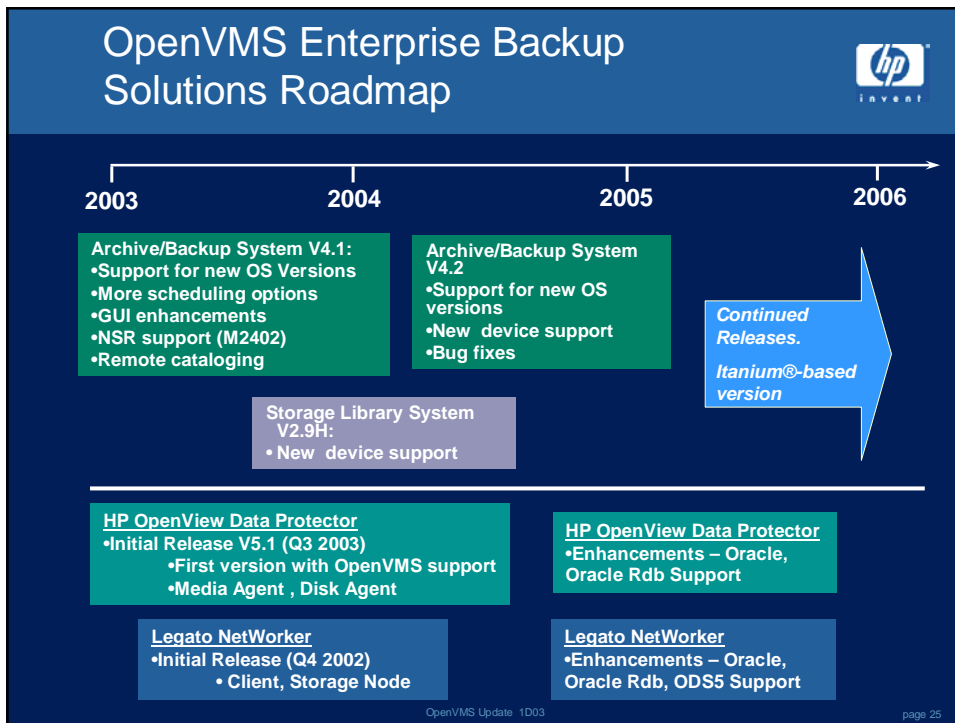
TCP/IP (H2 2005)
Continued focus on performance & security

- BIND V9 Resolver
- DHCPv6
- IPv6 Routing
- Standards
- Improved cluster support
- Multi media support
- SCTP Support

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OpenVMS Integration Technologies



2003 2004 2005 2006

Secure Web Server V1.4
(Apache 1.3.xx based)

Secure Web Server V2.0
(Apache 2.0 based)

Secure Web Server on Itanium® -based architecture

Attunity Connect V4.0
(formerly ISG Navigator)

Attunity Connect on
Itanium®-based architecture

DECforms V3.3

DECforms V3.4

DECforms V4.0 on Itanium®-
based architecture (H1 2005)

Secure Web
Browser V1.2.1

Secure Web Browser (based upon Mozilla)
on Itanium® -based Platform

TP Web Connector V1.4 on
Itanium®-based architecture

TP Desktop Connector V3.3 on
Itanium® -based architecture

- Functional releases of existing data serving products
- Additional Data Serving technologies

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OpenVMS Integration Technologies



2003 2004 2005 2006

RTR V4.2

RTR V4.3

RTR V5.0 on Itanium®-based Platform

ACMS V4.5 (H2 2003)

ACMS V5.0 on Itanium® -based
architecture (H1 2004)

ACMS V5.1

SDK v 1.4.0, for
the Java platform

SDK v 1.4.1, for
the Java platform

Native JDBC/ODBC (via Attunity Connect)

Web Services (XML and SOAP Toolkit)

BridgeWorks V2.2

BridgeWorks.next

- Releases of all Integration technology on Itanium®-based architecture
- Additional Integration technologies
- Enhancements to Java 2 implementation
- Functional releases of existing products including Java interfaces (e.g. JCA, JMS, JTA)

IBM MQ series V5.1

IBM MQ series V5.2

Continued support for BEA MessageQ on current OpenVMS versions

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OpenVMS Integration Technologies



2003 2004 2005 2006

BEA WebLogic V6.1

BEA WebLogic V7.0

BEA WebLogic 7.next

IONA
•Portal Application Server v3.x

Releases of Application Server technologies on Itanium®-based architecture

Compuware: Uniface - a component based development environment

Enhancements to existing app servers and new app servers (EJB)

Vertical application server solutions for OpenVMS

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ACMS and DECforms Roadmaps



2003 2004 2005 2006

ACMS V4.5

Repackage TP Web Connector and TP Desktop components with ACMS

Enhanced management interface and instrumentation
HP Rebranding

DECforms V3.3

• Maintenance release

ACMS V5.0

ACMS Itanium®-based product release

Port TP Web Connector
TP Desktop Connector to Itanium®-based systems

DECforms V3.4

• Maintenance release

ACMS V5.1

Enhanced management interface and instrumentation

DECforms V4.0

Itanium®-based product release

ACMS/BEA WebLogic Server Campaign – NOW !

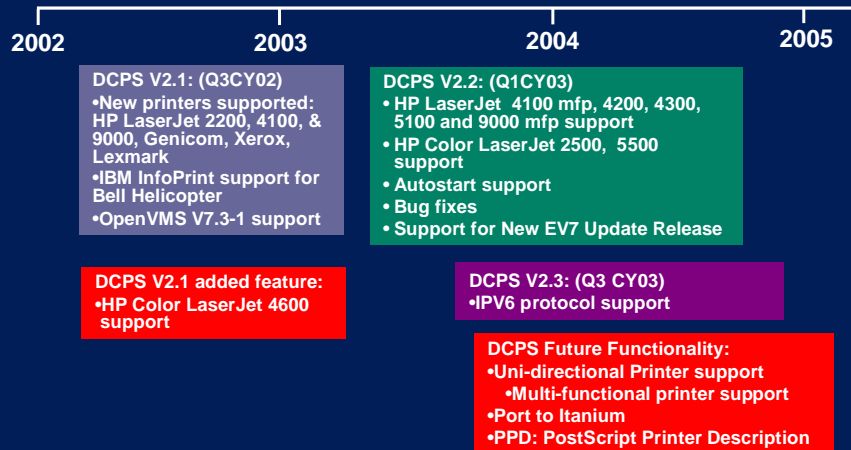
BEA and HP Partnership
Deliver integrated solutions

Roadmap subject to change

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DECprint Supervisor (DCPS) Roadmap



hp OpenVMS Industry Standard 64 (I64) on Itanium® systems 2003 coming attractions



hp OpenVMS Industry Standard 64 (I64) Release Roadmap



H1 03 H2 03 H1 04 H2 04

1st Boot on i2000 system, January 31, 2003 3:31 PM EST

Boot on rx2600 system (First Ship platform), March 17, 2003

★
First Ship

H1 03: hp OpenVMS I64 Version 8.0 "Mako" Evaluation Release

Audience: Selected ISVs and Partners

OpenVMS Itanium Operating System, Monitor Utility

Networks: DECnet Phase IV, TCP/IP

Development Tools: Cross Linker, Cross Librarian, Native Debugger

Cross Compilers: C, C++, BLISS, FORTRAN, IMACRO

H2 03: hp OpenVMS I64 Version 8.1 "Jaws" Evaluation Release

Audience: Key ISVs, Partners, Early Adopters

Limited cluster functionality (4 nodes)

Native Compilers: C, C++, BLISS, FORTRAN, IMACRO, Pascal, BASIC, COBOL

Additional Language Support: JAVA

Additional Layered Products... Networks, Data Serving, Security, eBusiness Integration, Application Development

Internal releases

External releases



Production Quality



HP OpenVMS I64 V8.2

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OpenVMS
....2004 coming attractions



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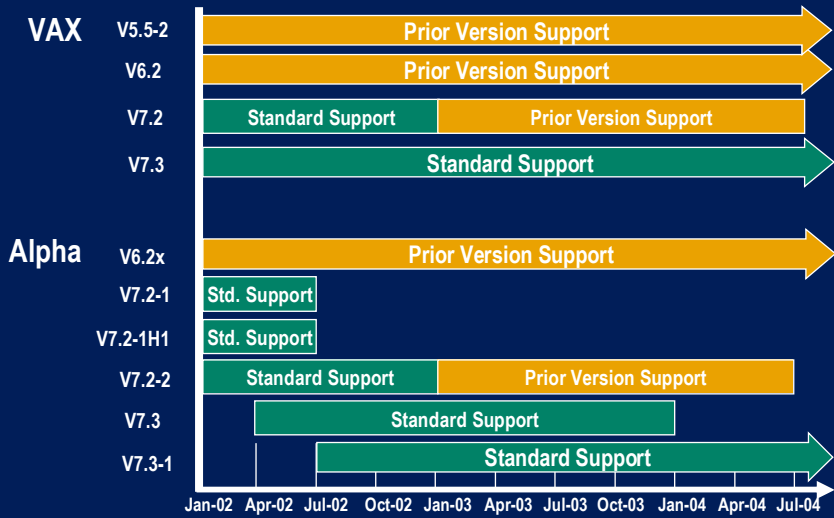
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OpenVMS V8.2 (Topaz)



- Target shipment date = H12004
- Candidates:
 - System & I/O Performance Enhancements
 - Cluster Interconnect Enhancements
 - Fibre/SAN enhanced support including Disaster Tolerance Enhancements
 - Continued Security Enhancements
 - More updates for e-Business and integration
 - Alpha Compatibility with OpenVMS Itanium™ release, including Clusters
 - More UNIX Portability features

OpenVMS Service Support Roadmap





OpenVMS Home Page

- <http://www.openvms.compaq.com>

OpenVMS Software Rollout Reports

- <http://www.openvms.compaq.com/openvms/os/swroll/index.html>

HP OpenVMS Services Information

- http://www.openvms.compaq.com/serv_support.html

HP Services Prior Version Support

- http://www.compaq.com/services/software/ss_mature.html

OpenVMS Product Roadmaps

- http://www.openvms.compaq.com/openvms/roadmap/openvms_roadmaps.htm

Fragen ???

