

HP OpenVMS Rolling Roadmaps

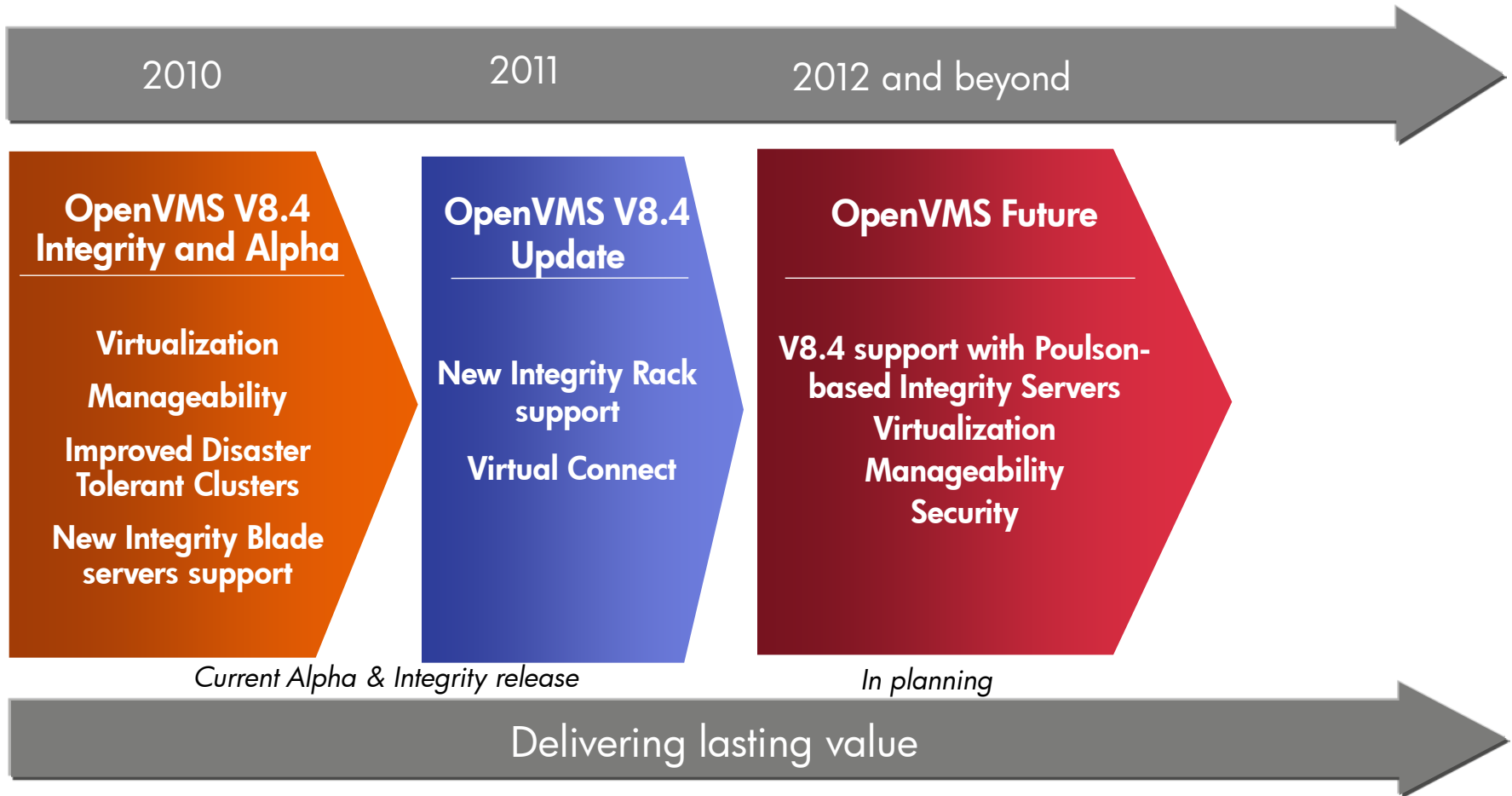
The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, and timing of any products remains at the sole discretion of HP.

September 2011



HP OpenVMS software roadmap

Continuously delivering mission-critical solutions for over 30 years!



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OpenVMS today and tomorrow

Continuously delivering mission-critical solutions for over 30 years!

Future:

- Align with hardware roadmap and support new Poulson based Integrity platforms with OpenVMS V8.4
- Continued updates for quality, virtualization, manageability and security
- OpenVMS V8.4 Update 6 (Nov 2011)

Current release:

• OpenVMS V8.4 Update:

- New Integrity rack systems running Itanium processors
- Virtual Connect / Flex 10 Support for HP Integrity BL8x0c i2 systems

• OpenVMS V8.4 (Integrity and Alpha)

- New Integrity systems running Itanium processors
- OpenVMS as a guest operating system on HP Integrity Virtual Machine
- Clusters over TCP/IP protocol
- Host-based volume shadowing with up to 6-member shadow sets
- 2 TB volumes
- Performance enhancements

Time



OpenVMS today and tomorrow

Virtualization and Manageability

Future:

- System Mgmt Homepage (SMH) for BL8x0c i2
- Integrity VM v4.3 support
- Poulson support

Current releases:

- HP Operations Manager HTTPS Agent & Smart Plug-In (SPI) v8.6-2 on OpenVMS V8.4
- Support for HP SIM 6.2
- WBEM Services V2.9-9 & WBEM Providers V2.2-3 for rx2800 i2 & BL8x0c i2 server
- OpenVMS V8.4 supported as a guest Operating System on HP Integrity Virtual Machines v4.2.5
- GiCAP V9.2 on OpenVMS V8.4 (Integrity)
- iCAP V9.2 on OpenVMS V8.4 (Integrity)
- Full Operating System Provisioning V4.1
- System Management Homepage for Integrity & Alpha
 - SMH V2.2 for Integrity & SMH V2.0 for Alpha
- Combined OpenView Operations HTTPS agents V8.6 for Windows and UNIX management servers
- OpenView Rdb Smart Plug In (SPI) V8

Time



OpenVMS today and tomorrow

Unix Portability and Security

Future :

- GNV V3.0
- SSL update

Current releases:

Unix Portability:

- Full CRTL semaphores
- Symlinks
- GNV V2.1-3

Security:

- Kerberos V3.2
- Improved LDAP External authentication with Active Directory
- SSL 0.9.8o plus security fixes
- Secure Delivery: OpenVMS O/S now signed on install

Open Source Security Tools continuously updated on the web:

- GnuPG Updated
- SNORT for Network Intrusion Detection

Time



OpenVMS today and tomorrow

OpenVMS I/O and Storage Hardware

Future:

- 10GbE support (standup card) on rx2800 i2
- 6Gb SAS - P812 support on rx2800 i2
- SAS HBA mode support on rx2800 i2

Current releases:

- **EVA support**
 - EVA P6300/P6500 support
- **Nearline storage**
 - LTO5 support (Integrity)
 - D2D (Integrity & Alpha)
- **SAS**
 - P411 6Gb SAS (with rx2800 i2)
- **10 GbE Ethernet support (Integrity)**
 - HP NC532m Dual Port 10GbE BL8x0 i2 Adapter
- **Fiber Channel (Integrity only)**
 - 8 Gb FC Qlogic standup and mezzanine HBA support (Integrity)
- **SVSP 3.0 (Integrity)**
- **XP Storage Family**
 - P9500
- **MSA Storage Family**
 - HP StorageWorks MSA2000sa G2 (SAS) (Integrity)
 - P2000 G3 (FC) (Integrity)

Continued support for: EVA, XP, VLS, EML, ESL (Incl. partitioning support), MSL, 1/8 Autoloader Support (direct attach only)

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OpenVMS today and tomorrow

Backup and Storage Software Products

Future:

- ABS – new tape devices support

Current releases:

- **BACKUP Utility on OpenVMS V8.4**
 - Compression
- **Archive/Backup System V4.5 (Integrity and Alpha)**
 - D2D deduplication support
 - Software Encryption
 - Hardware Encryption equipment support - SKM, MSL LTO4 Encryption Kit
 - Oracle 10gR2 support (Integrity support - requires Oracle patch kit)

Update Releases as needed for Disk File Optimizer, Media Robot Utility, DCSC, RAID & Save Set Manager; Ongoing HP OpenView Data Protector Support

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OpenVMS today and tomorrow

Networking Products and Printer Support

Future:

- ECO releases for TCP/IP 5.7
- IPsec

Current releases:

- **TCP/IP V5.7 for OpenVMS V8.4 (Integrity and Alpha)**
 - IP Cluster Interconnect
 - Packet Processing Engine
 - NFS v3 client
 - FTP enhancements: Browser compatibility, Anonymous Light, SSL
 - LPD port configurability
 - Cluster-friendly SMTP
- **Common Internet File System (CIFS) V1.2 (Integrity and Alpha)**
 - Support for Kerberos, Integration of the latest SAMBA stabilization changes

Continued support for: DECnet Plus, DECnet Phase IV, X.25, Advanced Server and the IBM SNA products

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OpenVMS today and tomorrow

Transaction Processing and Middleware

Future:

- ACMS Workspace extension beyond 64 kb
- RTR .NET plug-in

Current releases:

- **ACMS V5.1B Integrity and Alpha**
 - EXIT Handler Implementation and other bug fixes
- **TPWare V5.1B**
- **RTR V5.2**
 - Performance Enhancements
 - Enhanced error logging
 - Monitor file for FE-TR connection
 - RTR 64-bit migration on OpenVMS Alpha and Integrity platforms
 - RTR (BE and FE) port to Red Hat Linux (HP Proliant x86-64 bit Linux) platform
- **RTR SPI**
 - RTR smart plug-in for OpenView
- **JRTR 2.0**
 - Java 1.5 support for RTR V5.2

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OpenVMS today and tomorrow

Application Development – Compilers and Deployment Tools

Future:

- Fortran V8.2 ECO kit (Integrity)
- C V7.3 ECO kit (Integrity and Alpha)
- C++ V7.3 ECO kit (Alpha)
- C++ V8.0 (Integrity)
- Pascal V6.1 ECO kit (Integrity and Alpha)
- COBOL V2.9 ECO kit (Alpha)

Current releases:

- Distributed NetBeans V6.5.2 (Integrity and Alpha)
- JAVA V6.0 (Integrity)
- C V7.3 (Integrity and Alpha)
- C++ V7.4 (Integrity), C++ V7.3(Alpha)
- Basic V1.7 RTL ECO kit (Integrity)
- Basic V1.7 (Integrity and Alpha)
- Pascal V6.1 ECO kit (Integrity) and Pascal V6.1 (Integrity and Alpha)
- COBOL V3.0 ECO kit(Integrity) and V2.9 (Alpha)
- DECset V12.8 (Integrity and Alpha)

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Application Modernization and Integration Infrastructure

Future:

- WSIT support of JAVA6
- WSIT support of Pascal
- Tomcat V5.5.xx
- PERL V5.8.xx
- SeaMonkey V1.1.xx
- Firefox V2.0.xx

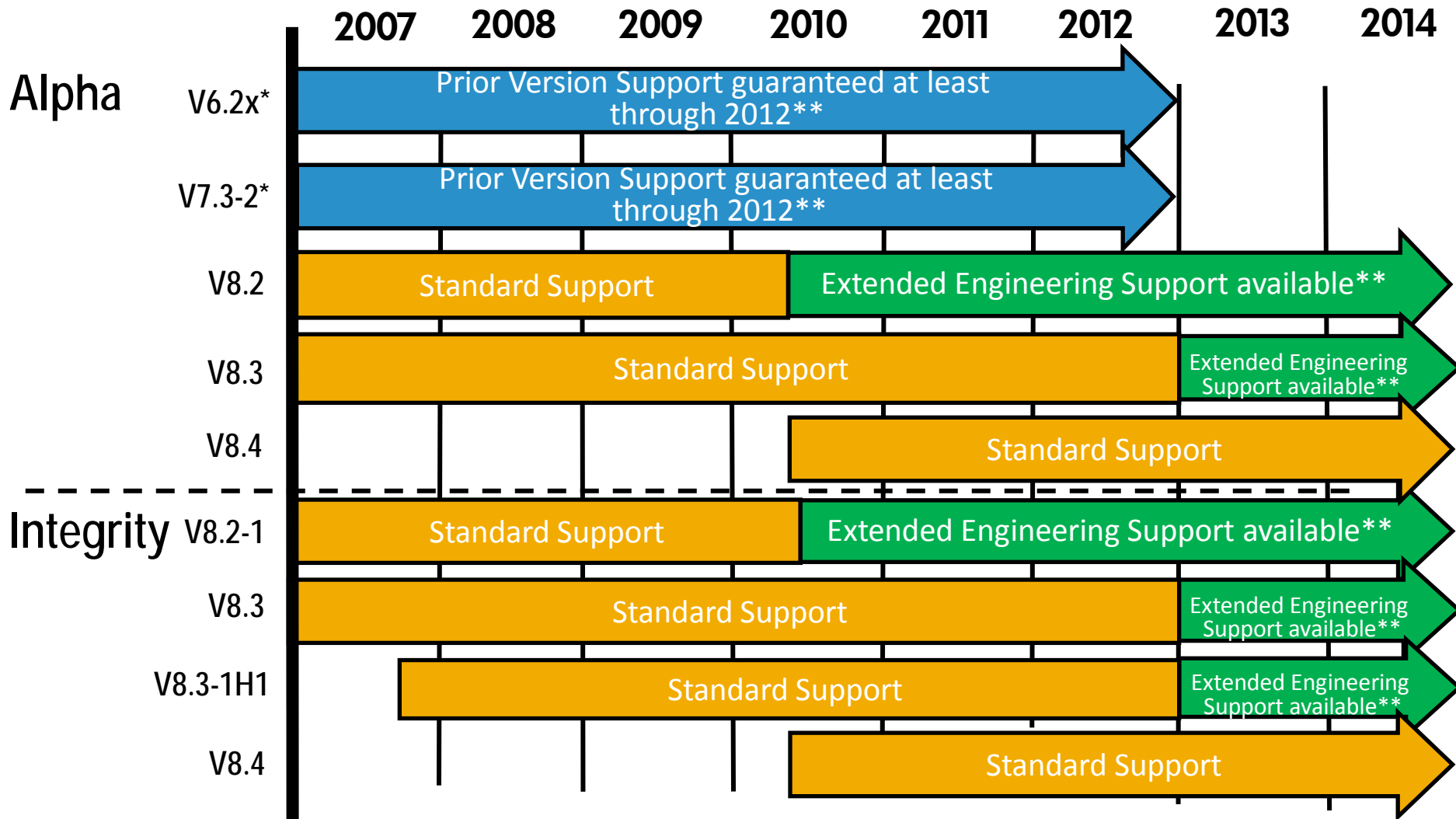
Current releases:

- CSWS V2.2 (Apache V2.0.63based)
- CSWS_PHP V2.2 upgrade based on PHP V5.2.13
- mod_perl V2.0 and Perl V5.8.6
- Tomcat (JSP) V5.5.26
- Secure Web Browser (based on SeaMonkey) V1.1-12
- HP Firefox Web Browser V2.0-18 for OpenVMS (only Integrity)
- Java V1.4.2, Java V5, Java V6 (Integrity only)
- DCE V3.2

Time



OpenVMS Service Support Roadmap



* Prior Version or Standard support will be provided on these versions at least through 2012.

** w/24 months prior expiration notice: A 24-month notification will be provided before support is ended.

Standard support ends when the 2nd subsequent release ships. HP supports the current version and one back. Extended Engineering Support will be available for additional cost. Future version shipment dates are estimates.

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