



OpenVMS Rolling Roadmap

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OpenVMS Rolling Roadmap

2017

2018

2019

Q1

JAVA 1.8 for Itanium (available now)

Itanium Updates

- Digital Signing for ISVs (available now)
- OpenSSL 1.0.2k (available now)

Q2

Alpha Layered Products (available now)

Q3

VSI TCP/IP 10.5

Itanium Updates

- 64b Availability Manager
- 16 Gb Fibre Channel support

Q4

Update to Java 1.8

Q1

OpenVMS V8.5

- Fully integrated VSI TCP/IP
- Enhanced Password Management
- Updated ACPI (Advanced Configuration & Power Interface)
- OpenVMS components/LPs, SSL1 updates
- CRTL: C99 features, header updates

Itanium Updates

- HPE Integrity i6-based servers

Q4

OpenVMS V9.0

Itanium General Release

- 32 Gb Fibre Channel
- VCI 2.0: better network performance
- Stronger Password Encryption
- VMS Advanced File System
 - Support for Disks > 2TB
 - Performance improvement
- PTP (Precision Time Protocol)

x86-64 Early Adopter Release

- Cross-built on Itanium
- OpenVMS as a virtual machine guest
- Selected HPE Servers (Intel & AMD)
- Graphical Boot Manager

OpenVMS V9.x

Itanium and x86-64

- Security
 - Secure Boot
 - Encrypted Crash Dumps
 - Volume (Data-at-Rest) Encryption
- Enhanced Application Isolation and Management
- Supports 64+ Cores

x86-64 General Release

- Native Build
- More virtual machine guest options
- OpenJDK
- Dynamic Binary Translator for Alpha and Itanium Images
- Same Itanium compilers plus updates for:
 - C
 - C++
 - Fortran

Research Areas

- **Virtual Machine Guest**
 - kvm
 - xen
 - VirtualBox
 - VMware
- **Containers / Docker**
- **Hadoop**
- **Cloud**
 - OpenStack
 - Rackspace
 - Apache jclouds
- **RoCEv2**
- **UTF-8**
- **Security**
 - Encrypted Communications
- **Additional Scripting Language**
- **Open Source Databases**
 - Ingres
 - MariaDB
 - PostgreSQL
- **Infiniband**
- **Blockchain Technology**
- **iSCSI**

OpenVMS Operating Environment

Released

BOE Components:

- V8.4-2L1 operating system
- ACMELDAP
- ANT 1.7.1B
- AXIS2 B1.0-1
- CDSA 2.4-322A
- CIFS 1.2-ECO1A
- CSWS 2.4-3G
- CSWS_JAVA 8.5-4
- CSWS_PHP 5.2-17A
- DCPS 3.2A
- DECnet Phase IV
- DECnet Phase V
- DECram
- DECwindows Motif 1.7E
- DCE (runtime) 3.2A
- ENCRYPT
- Enterprise Directory 5.8
- Kerberos 3.2-260
- LDAP

- NOTARY 1.0
- OpenSSL 1.02K
- PERL 5.20-2A
- TCP/IP 5.7-13ECO5F
- The Data Collector 2.3-20A
- UDDI 1.0-B
- VSI Binary Checker 1.2
- WBEM/CIM 3.0-B151019
- WBEM providers 2.2-5C
- WSIT 3.4-1
- XML C++ 3.0-1-1
- XML_JAVA 4.0-1

HAOE components:

- Availability Manager 3.2
- RMS Journaling
- Volume Shadowing
- OpenVMS Cluster Client
- OpenVMS Cluster Software
- RTR 5.3

Planned

BOE Components:

- CSWS additional modules
- GNV Updates
- CIFS Update

OpenVMS Layered Products

Released

- ABS / MDMS 4.6
- ACMS dev, remote, runtime 5.2
- BASIC 1.8-4
- C 7.4-1
- C++ 7.4-6
- COBOL 3.1-7-1
- Datatrieve 7.4-1
- DECforms dev, runtime 4.2
- DECset 4.8
(CMS, DTM, MMS, SCA, LSE, PCA)
- DFO 3.3
- DFS 2.5
- DQS 1.4
- FMS dev, runtime 2.6
- FORTRAN 8.3-3-1
- MRU 1.9
- PASCAL 6.2
- SSM 1.9-1
- TDMS dev, runtime 2.1-1
- JVMS Phase 1 V4.2

Planned

- OMNI / OSAP
- JVMS Phase 2

Open Source Products Tested on OpenVMS

Available

- ActiveMQ 5.10.0
- cURL and libcurl 7.49.0 (includes OpenSSL 1.0.2h support)
- Lua 5.2.3
- Mosquitto 1.3.5 (MQTT broker)
- Paho-C 1.0.3 (MQTT client)
- PHP 5.6.10
- Ruby 2.2.2
- Subversion 1.8.13
- SWIG 3.0.5
- vgit
- ZeroMQ 4.1.2
- gSOAP 2.8.32

Investigating

- Erlang
- Python
- R
- Scala 2.11.8
- Maven 3.3.9

Prior VSI OpenVMS Releases

May 2015

March 2016

September 2016

OpenVMS V8.4-1H1

Itanium® Processor 9500 series

- New CPU architecture
- Vastly improved performance

HP Integrity System Support

- rx2800
- HP Integrity Server Blades
 - BL860c
 - BL870c
 - BL890c
- Blades FlexFabric LAN support
- 9300 series blades and rx2800

Software

- Quality Enhancements
 - Operating System
 - Layered Products
- Product Rebranding

OpenVMS V8.4-2

HPE Integrity System Support

- Full BL890c Support
 - 64 Cores (hyperthreads off)
 - 1.5 TB Memory
- AUTOGEN (large memory)
- UEFI 2.3
- Network Boot for i4 Blades
- WBEM for i4
- rx7640 / rx8640

Performance

- More alignment faults eliminated
- Tunable BACKUP Compression

Software Component Updates

- Enterprise Directory 5.7
- CSWS (based on Apache 2.4.12)
- LDDRIVER 9.7
- Latest Time Zone Definitions
- I18N (for localized language support)
- Digital Signing 2.0
- Rebranding 2.0

OpenVMS V8.4-2L1

Limited Software Release

- Updated SSL to 1.0.2h
- Updated key exchanges
- 0.9.8/1.0.2 coexistence mechanism
- VSI and HPE libraries and shareable images are compatible
- 0.9.8 no longer supported

SSL-Related Capabilities

- Updated for compatibility with 1.0.2: TCP/IP, ENCRYPT, NOTARY, LDAP, ACMELDAP, Enterprise Directory, WBEM services, WBEM providers, CSWS

Patch Kits

- Includes contents of patch kits issued through June 15, 2016

Prior VSI OpenVMS Releases



October 2016

January 2017

OpenVMS Japan

Localization Kit Available for

- OpenVMS V8.4-2
- OpenVMS V8.4-2L1

Included Localized Products

- DECforms (Development kit)
- V4.2DECforms (Runtime kit)
- V4.2DECprint Supervisor
- (DCPS) V2.8DECwindows Motif
- V1.7EFMS (Development kit)
- V2.6FMS (Runtime kit) V2.6

OpenVMS Alpha V8.4-2L1

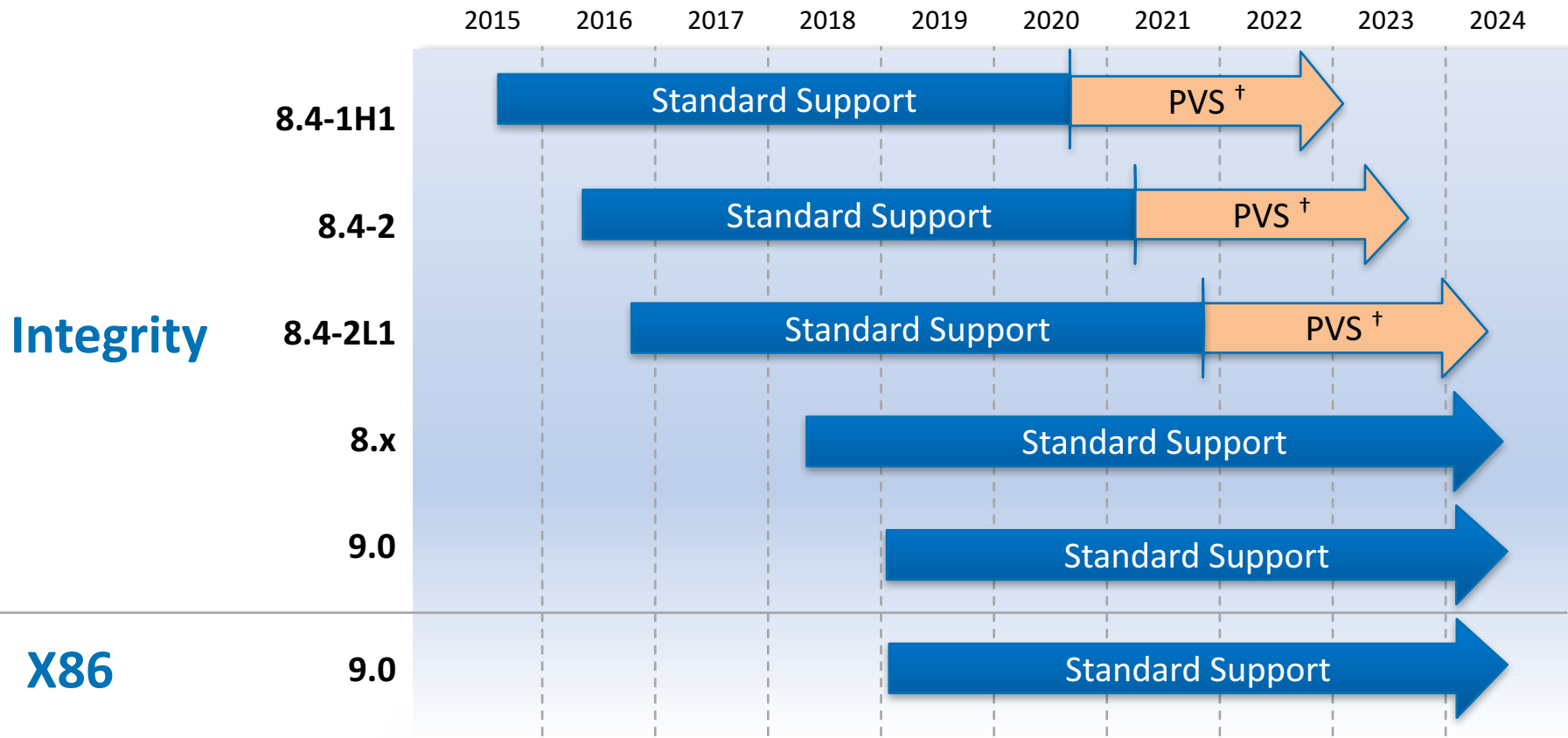
Same functionality as Integrity version



VSI OpenVMS Support Roadmap

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VSI OpenVMS Service Roadmap



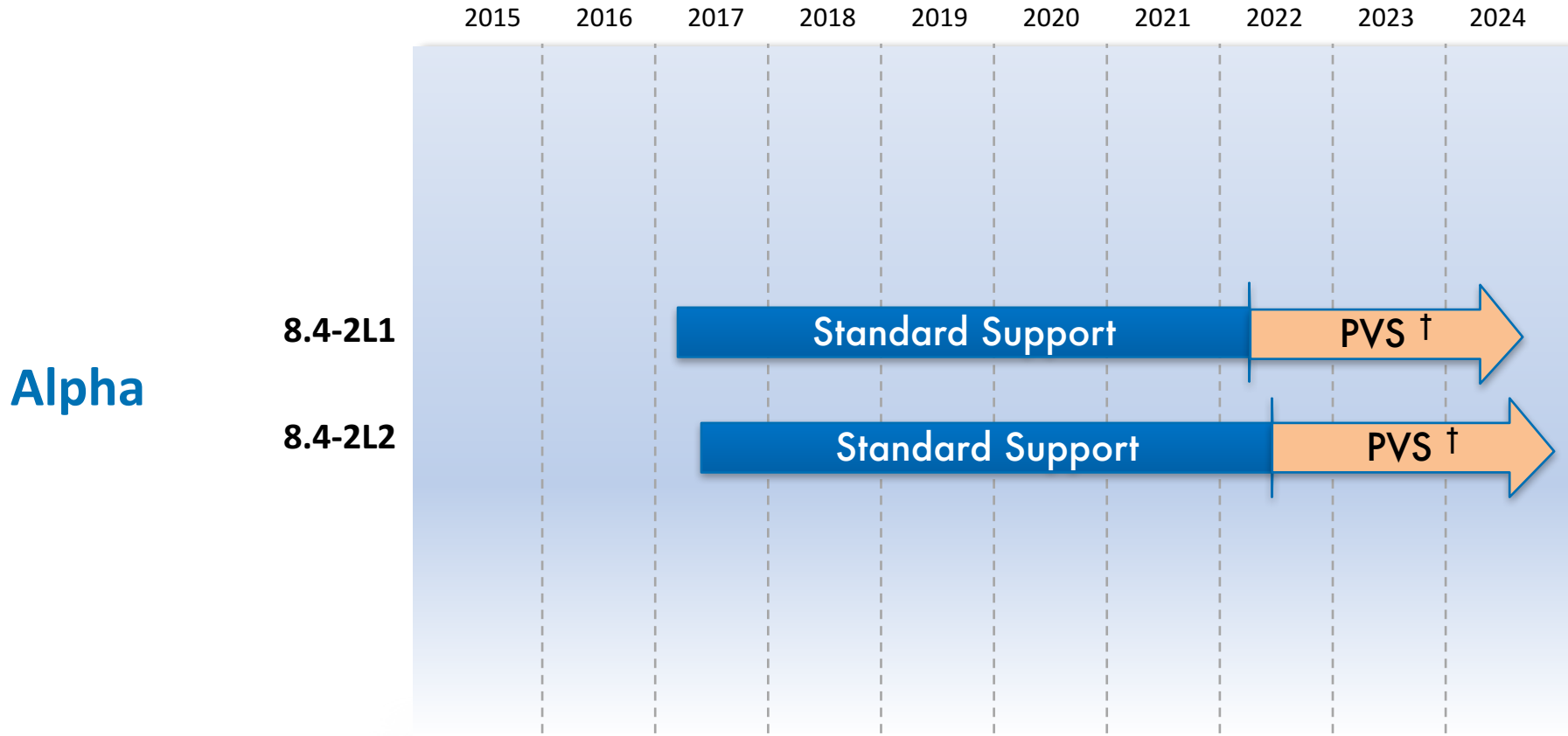
5 Year Standard Support + 2 Year PVS minimum

PVS – Prior Version Support without Sustaining Engineering

[†] 24-month notice provided before support end. Also, Extended Engineering Support (EES) contracts are available.

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VSI OpenVMS Service Roadmap



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VSI Support Services Portfolio

Bronze 9X5 Support

- Standard support phone number provided
- Right to new major releases of a VSI product
- Access to all software updates/patches provided between numbered releases
- Technical Support 9 hours a day, during 5 business days a week
- Provides periodic VSI updates
- 4 hour response from initial customer contact. This assumes that the customer uses the standard support phone line provided to the customer by VSI.



Silver 24X7 Support

- Standard support phone number provided
- Right to new major releases of a VSI product
- Access to all software updates/patches provided between numbered releases
- Technical Support 24 hours a day, 7 days a week
- Provides periodic VSI updates
- 2 hour response from initial customer contact. This assumes that the customer uses the standard support phone line provided to the customer by VSI.



Gold 24X7 Support

- Standard support phone number provided
- Right to new major releases of a VSI product
- Access to all software updates/patches provided between numbered releases
- Technical Support 24 hours a day, 7 days a week
- Assigned a remote Technical Account Manager (TAM)
- VSI software patch analysis
- VSI software system health checks
- Provides periodic VSI updates
- 1 hour response from initial customer contact. This assumes that the customer uses the standard support phone line provided to the customer by VSI.



Platinum 24x7 Support

- Dedicated phone number provided on sign-up
- Right to new major releases of a VSI product
- Access to all software updates/patches provided between numbered releases
- Technical Support 24 hours a day, 7 days a week
- Assigned a remote Technical Account Manager (TAM)
- Quarterly VSI software patch analysis
- Quarterly VSI software system health checks
- Provides periodic VSI updates
- Immediate response from initial customer contact. This assumes that the customer uses the dedicated phone line provided to the customer by VSI.





For more information, please contact us at:

RnD@vmssoftware.com

VMS Software, Inc. • 580 Main Street • Bolton MA 01740 • +1 978 451 0110