



# OpenVMS Roadmap Update, Fall 2017

Keith Parris and Rob Eulenstein

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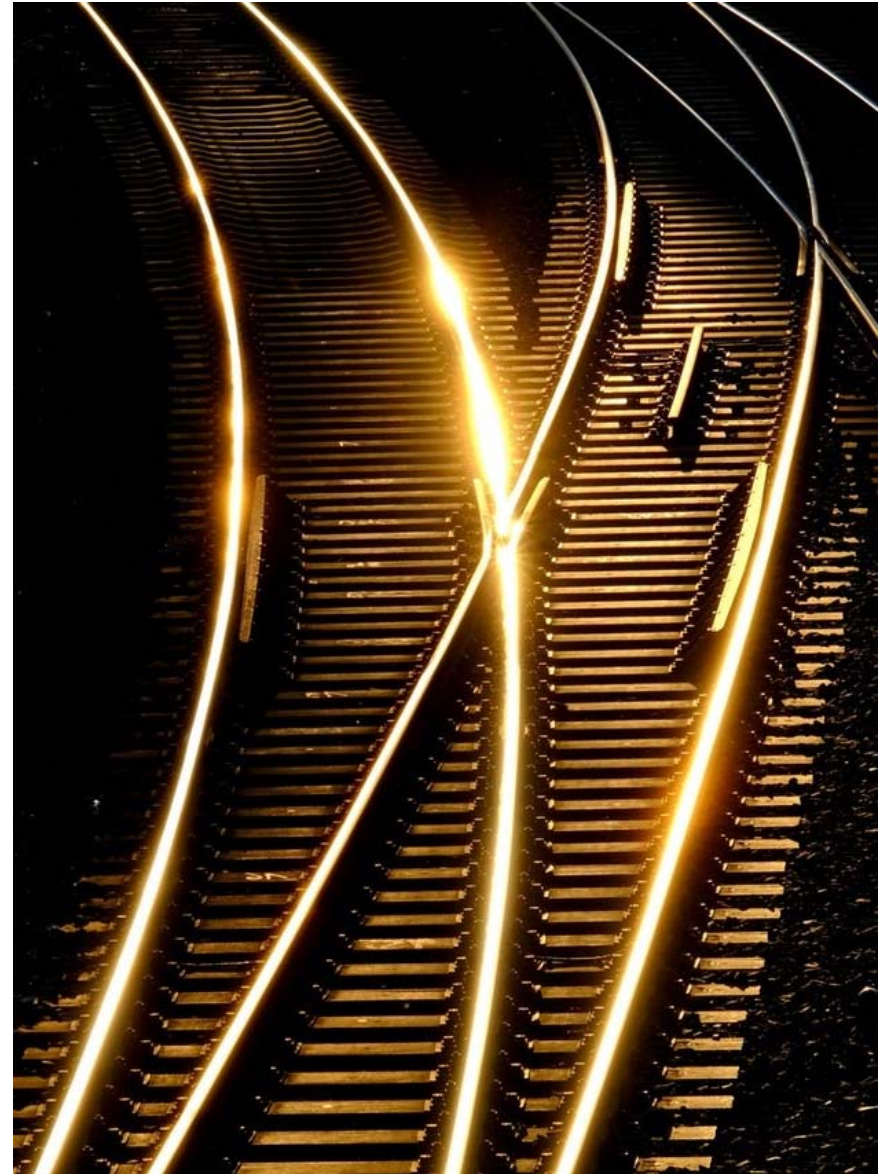
Today there are two  
parallel tracks for  
OpenVMS:

HPE and VSI

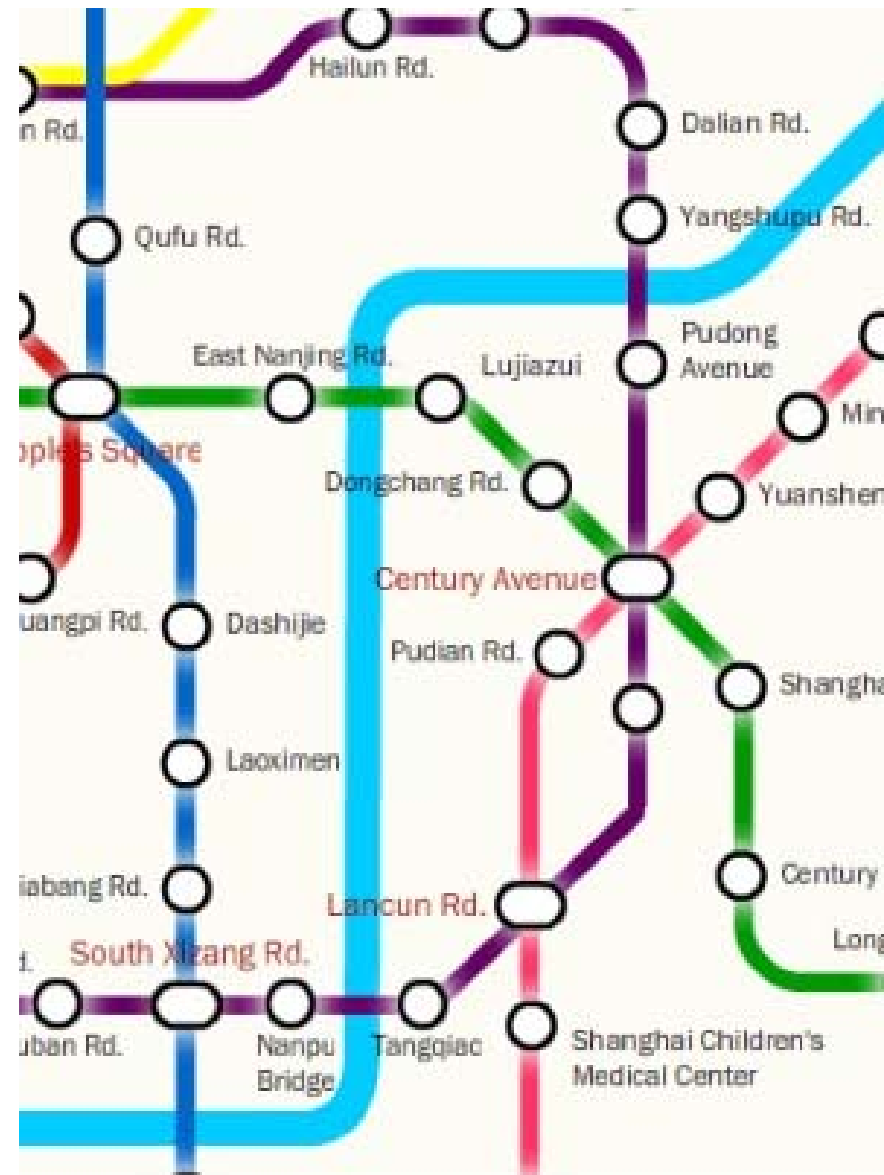


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You can move from  
one track to another  
when you choose.



With a map, you can pick your destination, and know what track you need to take to get there, and where you need to switch tracks.



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## Possible Destinations

–HPE Integrity i4 Servers:

–HPE Integrity i6 Servers:



–x86 Servers:



Superdome X



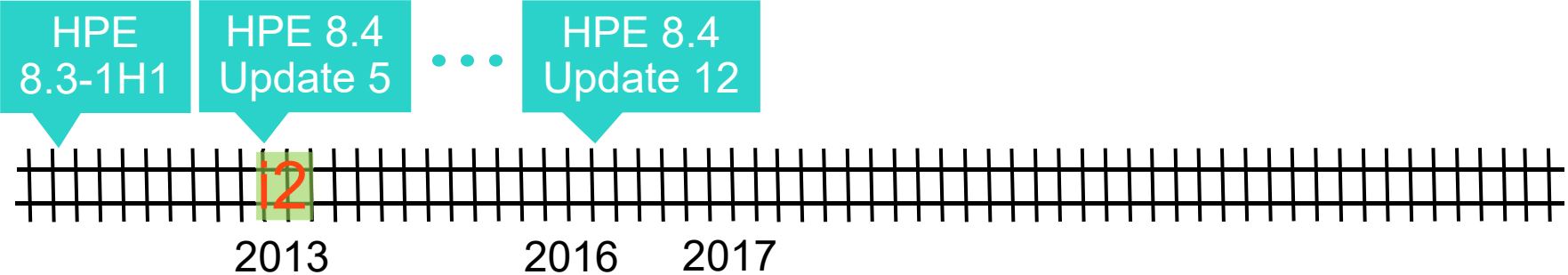
Proliant



MC990 X

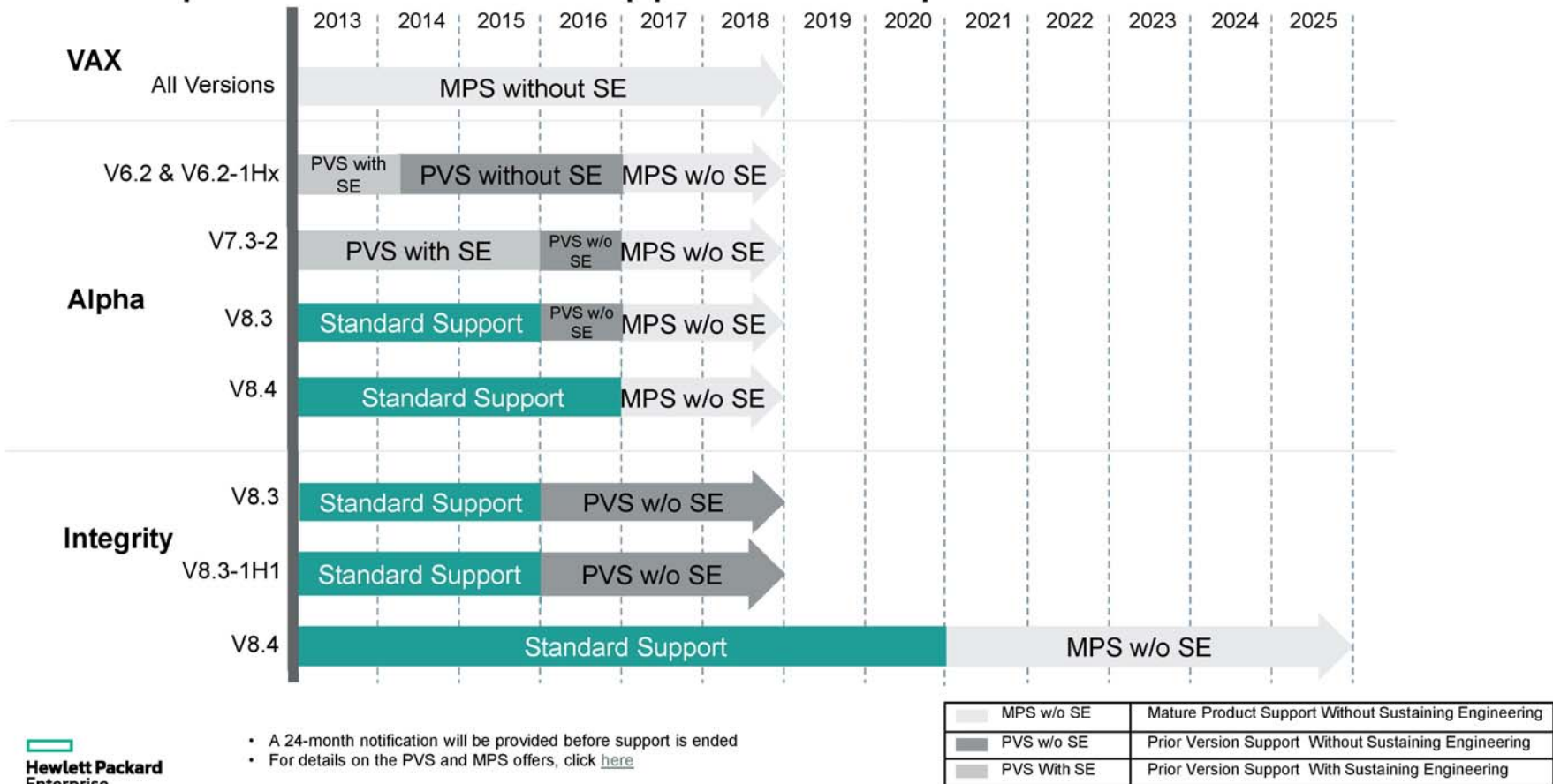
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# OpenVMS Tracks: HPE OpenVMS on Itanium



# HPE OpenVMS Roadmap

## HPE OpenVMS Service Support roadmap



# Sustaining Engineering for HPE OpenVMS 8.4

Standard Support for HPE OpenVMS 8.4 Integrity (with Sustaining Engineering) ends December 31, 2020.

Do you need new patches beyond that point?

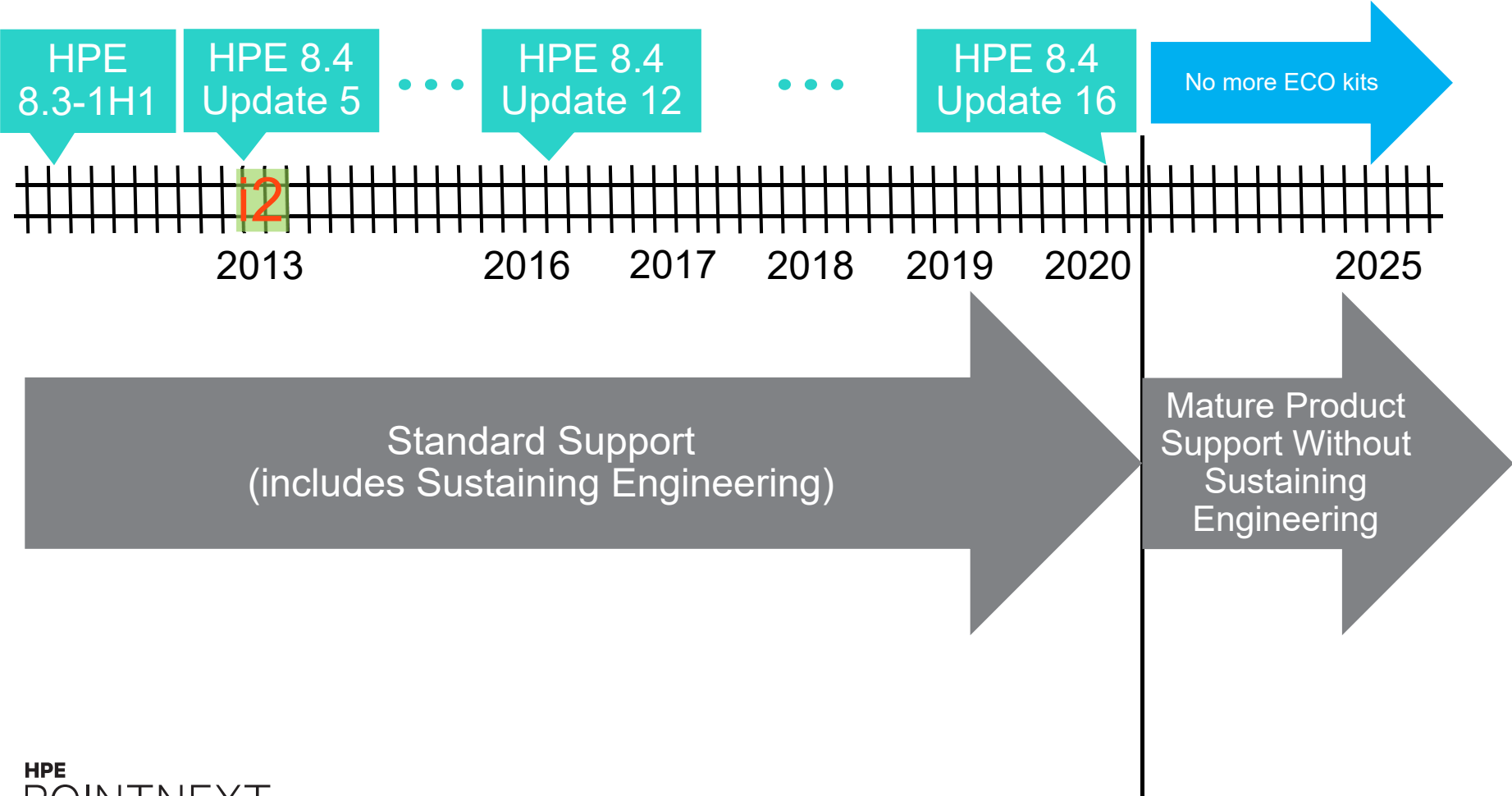
If so, you may need to plan to change tracks by that time.

If not, Mature Product Support without Sustaining Engineering will be available through at least the end of 2025.

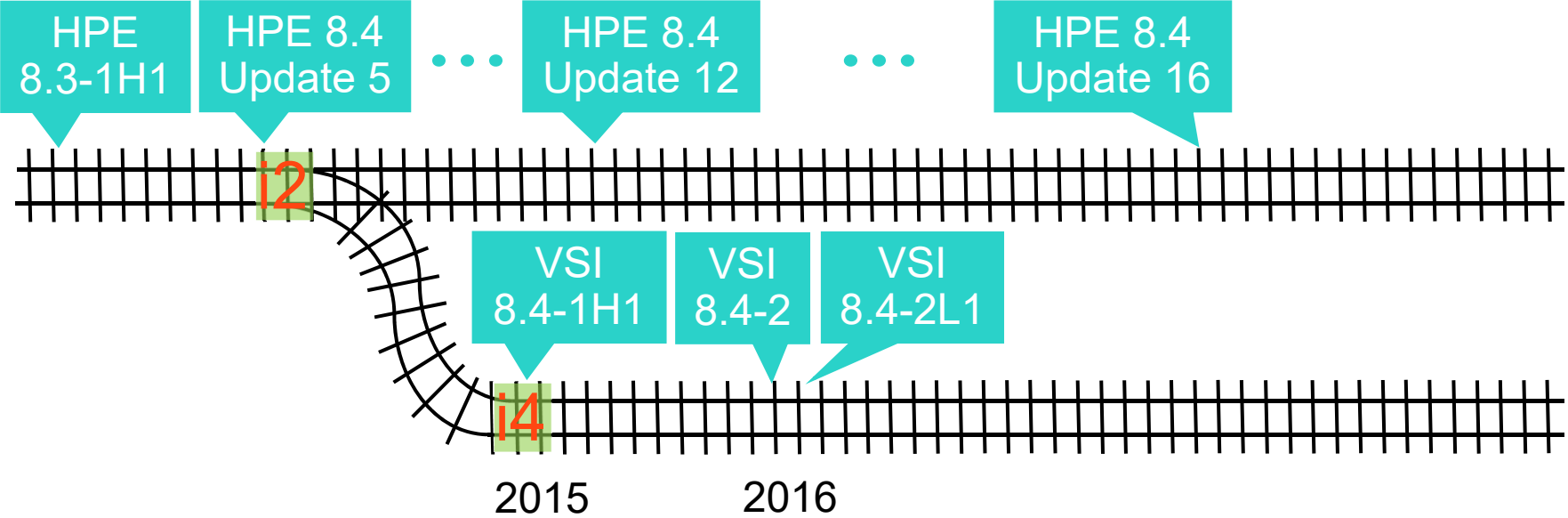




# OpenVMS Tracks: HPE OpenVMS on Itanium



# OpenVMS Tracks: VSI OpenVMS on Itanium



## Prior VSI OpenVMS Releases

May 2015	March 2016	August 2016
<p><b>OpenVMS V8.4-1H1</b></p> <p><b>Itanium® Processor 9500 series</b></p> <ul style="list-style-type: none"><li>• New CPU architecture</li><li>• Vastly improved performance</li></ul> <p><b>HP Integrity System Support</b></p> <ul style="list-style-type: none"><li>• rx2800</li><li>• HP Integrity Server Blades<ul style="list-style-type: none"><li>- BL860c</li><li>- BL870c</li><li>- BL890c</li></ul></li><li>• Blades FlexFabric LAN support</li><li>• 9300 series blades and rx2800</li></ul> <p><b>Software</b></p> <ul style="list-style-type: none"><li>• Quality Enhancements<ul style="list-style-type: none"><li>- Operating System</li><li>- Layered Products</li></ul></li><li>• Product Rebranding</li></ul>	<p><b>OpenVMS V8.4-2</b></p> <p><b>HPE Integrity System Support</b></p> <ul style="list-style-type: none"><li>• Full BL890c Support<ul style="list-style-type: none"><li>- 64 Cores (hyperthreads off)</li><li>- 1.5 TB Memory</li></ul></li><li>• AUTOGEN (large memory)</li><li>• UEFI 2.3</li><li>• Network Boot for i4 Blades</li><li>• WBEM for i4</li><li>• rx7640 / rx8640</li></ul> <p><b>Performance</b></p> <ul style="list-style-type: none"><li>• More alignment faults eliminated</li><li>• Tunable BACKUP Compression</li></ul> <p><b>Software Component Updates</b></p> <ul style="list-style-type: none"><li>• Enterprise Directory 5.7</li><li>• CSWS (based on Apache 2.4.12)</li><li>• LDDRIVER 9.7</li><li>• Latest Time Zone Definitions</li><li>• I18N (for localized language support)</li><li>• Digital Signing 2.0</li><li>• Rebranding 2.0</li></ul>	<p><b>OpenVMS V8.4-2L1</b></p> <p><b>Limited Software Release</b></p> <ul style="list-style-type: none"><li>• Updated SSL to 1.0.2h</li><li>• Updated key exchanges</li><li>• 0.9.8/1.0.2 coexistence mechanism</li><li>• VSI and HPE libraries and shareable images are compatible</li><li>• 0.9.8 no longer supported</li></ul> <p><b>SSL-Related Capabilities</b></p> <ul style="list-style-type: none"><li>• Updated for compatibility with 1.0.2: TCP/IP, ENCRYPT, NOTARY, LDAP, ACMELDAP, Enterprise Directory, WBEM services, WBEM providers, CSWS</li></ul> <p><b>Patch Kits</b></p> <ul style="list-style-type: none"><li>• Includes contents of patch kits issued through June 15, 2016</li></ul>

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# Advantages of i4 Servers over i2

Much faster clock rate:

2.53 gigahertz vs. 1.73 gigahertz

Twice the CPU cores per socket

BL860c i4 (1 blade) = BL870c i2 (2 blades)

i4 system sales through Q1 2018; upgrades through Q1 2019

Hardware support through at least Q1 2023

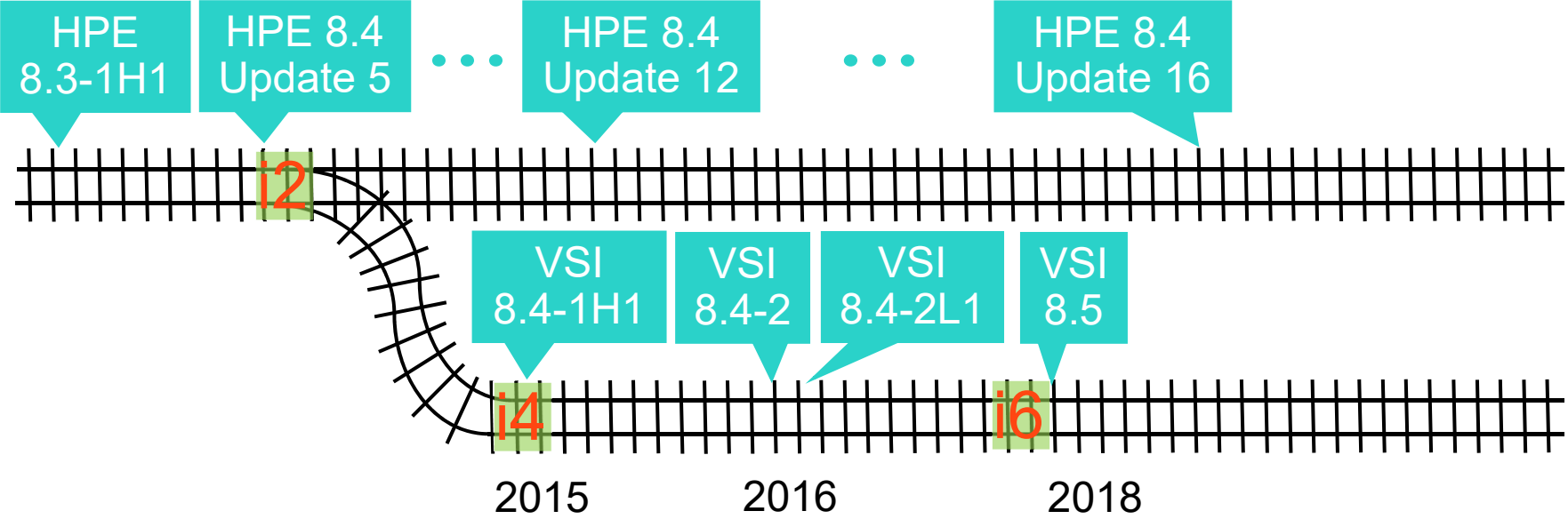


Integrity server blades  
BL860c i4, BL870c i4, BL890c i4



Integrity  
rx2800 i4  
Server

# OpenVMS Tracks: VSI OpenVMS on Itanium



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# Advantages of i6 Servers over i4

Slightly faster clock rate than i4:

2.67 gigahertz vs. 2.53 gigahertz

i6 system sales from 2017 onward

Last Itanium-based platform

Hardware support for a minimum of 5 years after last sale

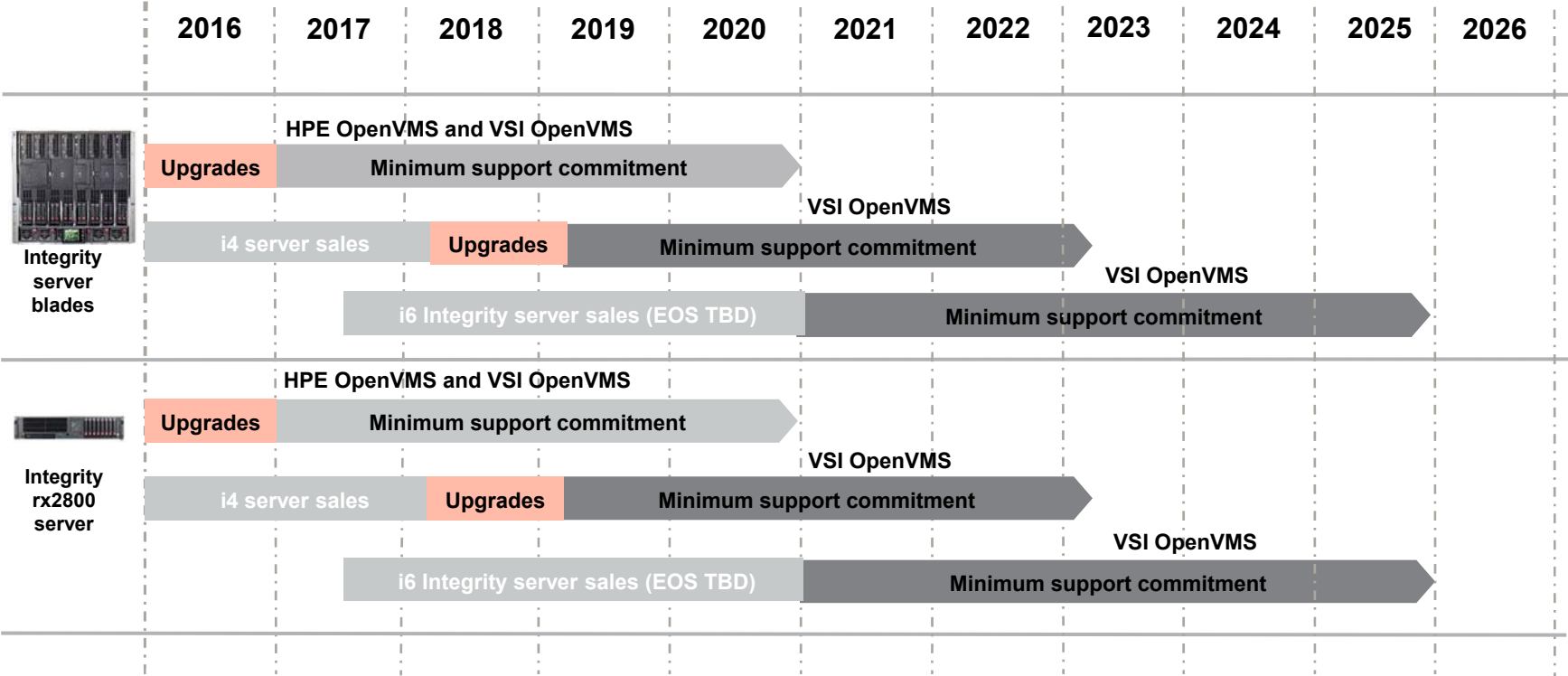


**HPE Integrity  
BL8x0c i6  
Server Blades**

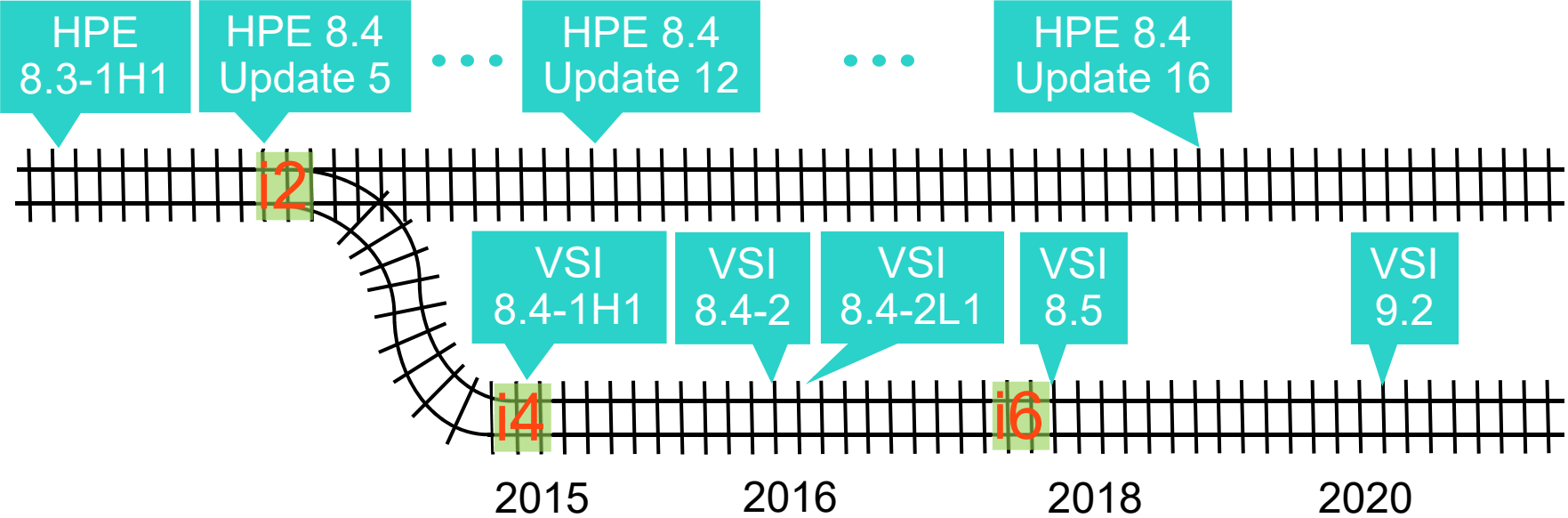


**HPE Integrity  
rx2800 i6  
Server**

# HPE Integrity Itanium-based Servers roadmap

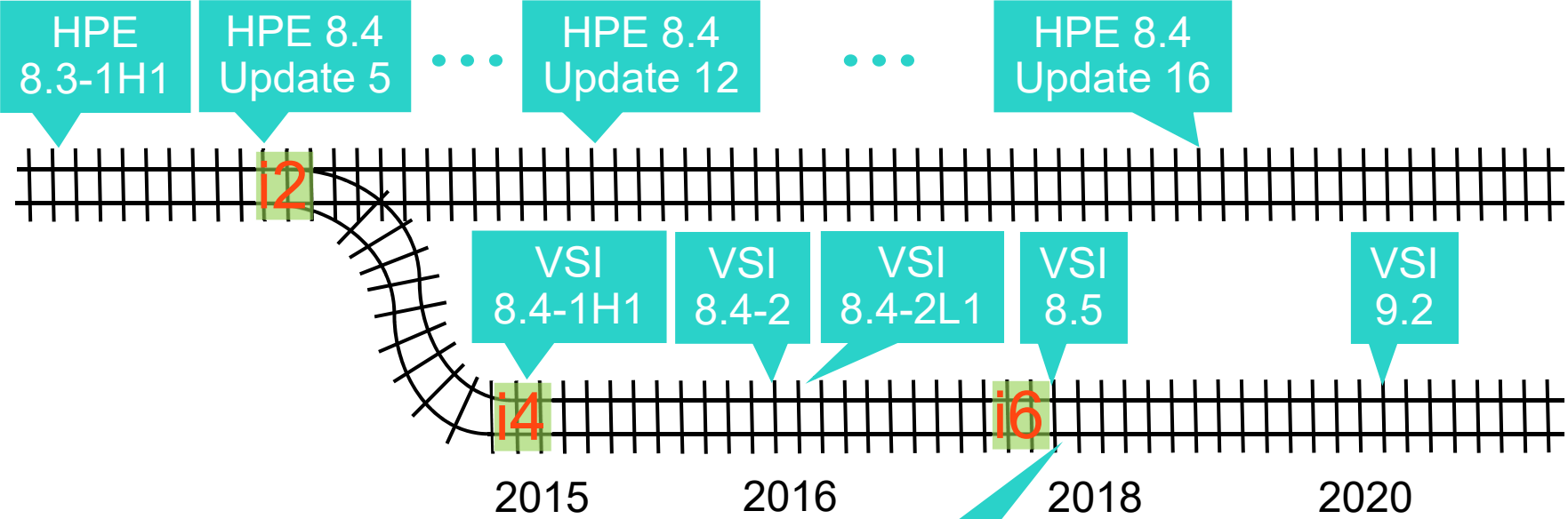


# OpenVMS Tracks: VSI OpenVMS on Itanium

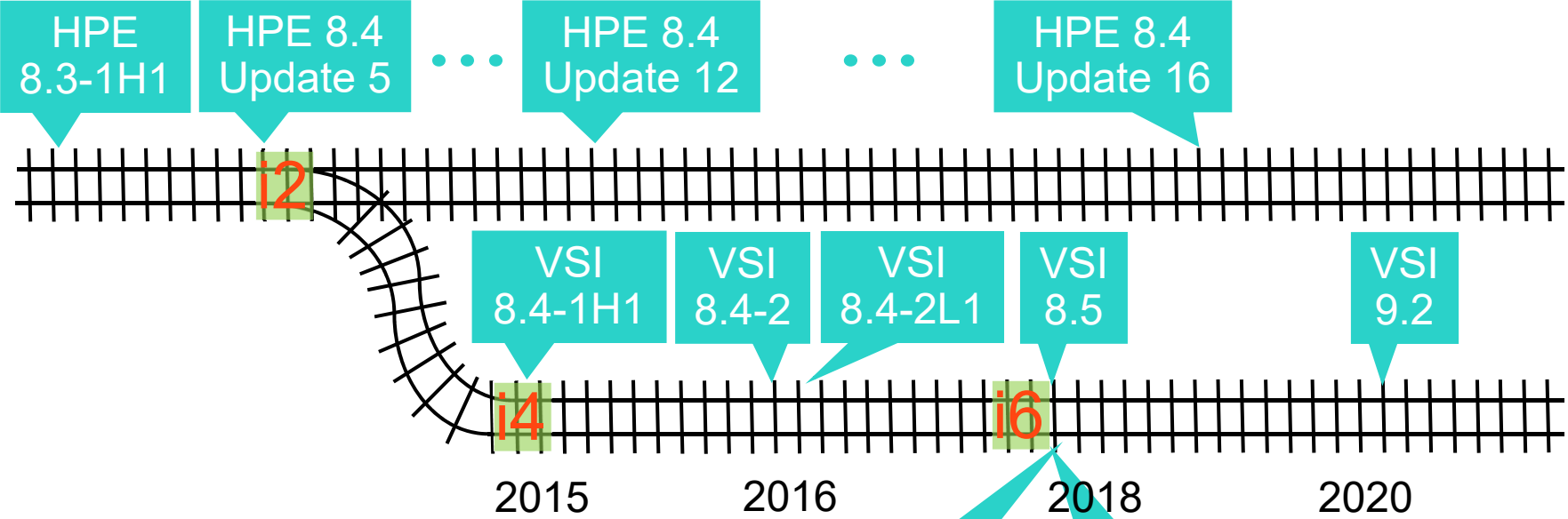




# OpenVMS Tracks: VSI OpenVMS on Itanium



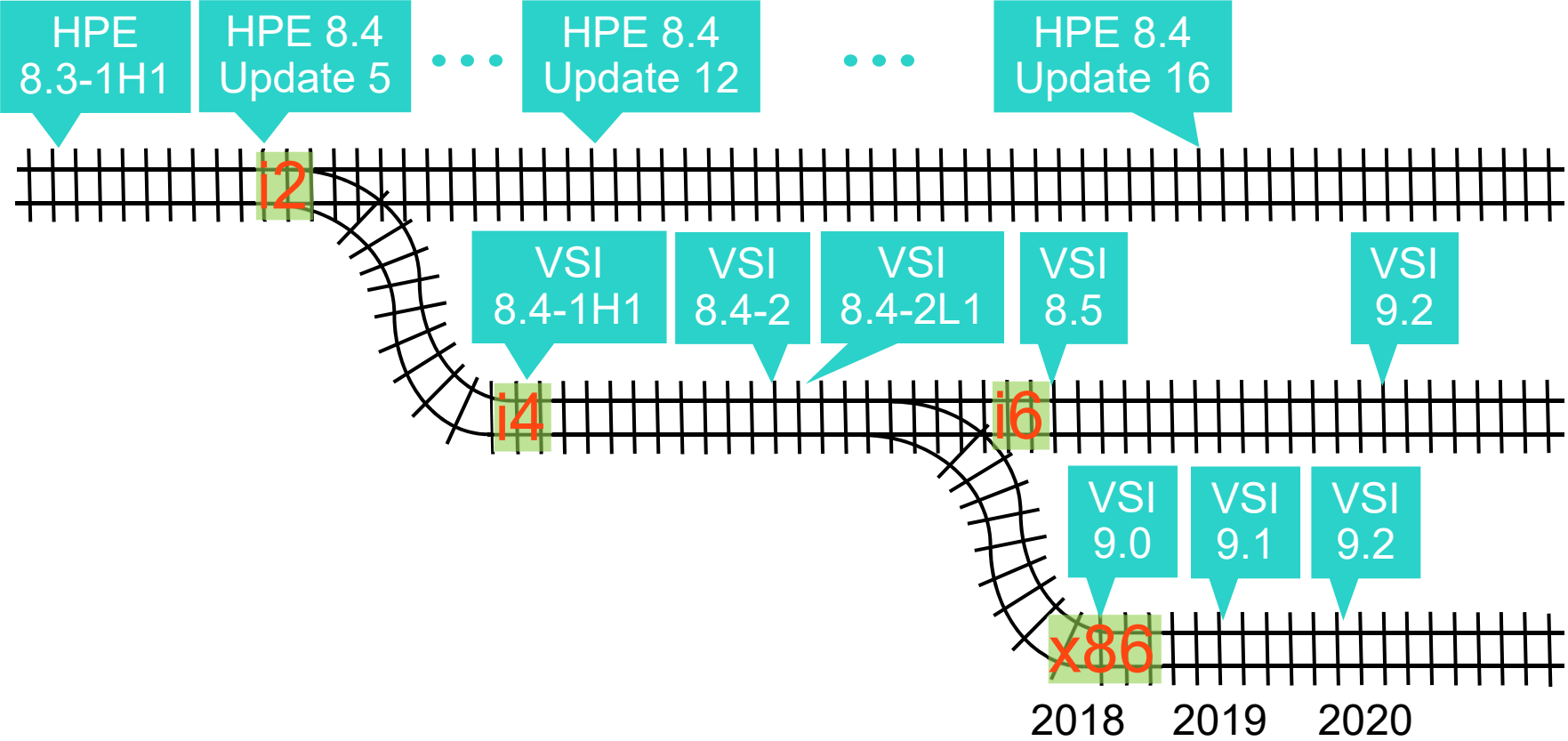
# OpenVMS Tracks: VSI OpenVMS on Itanium



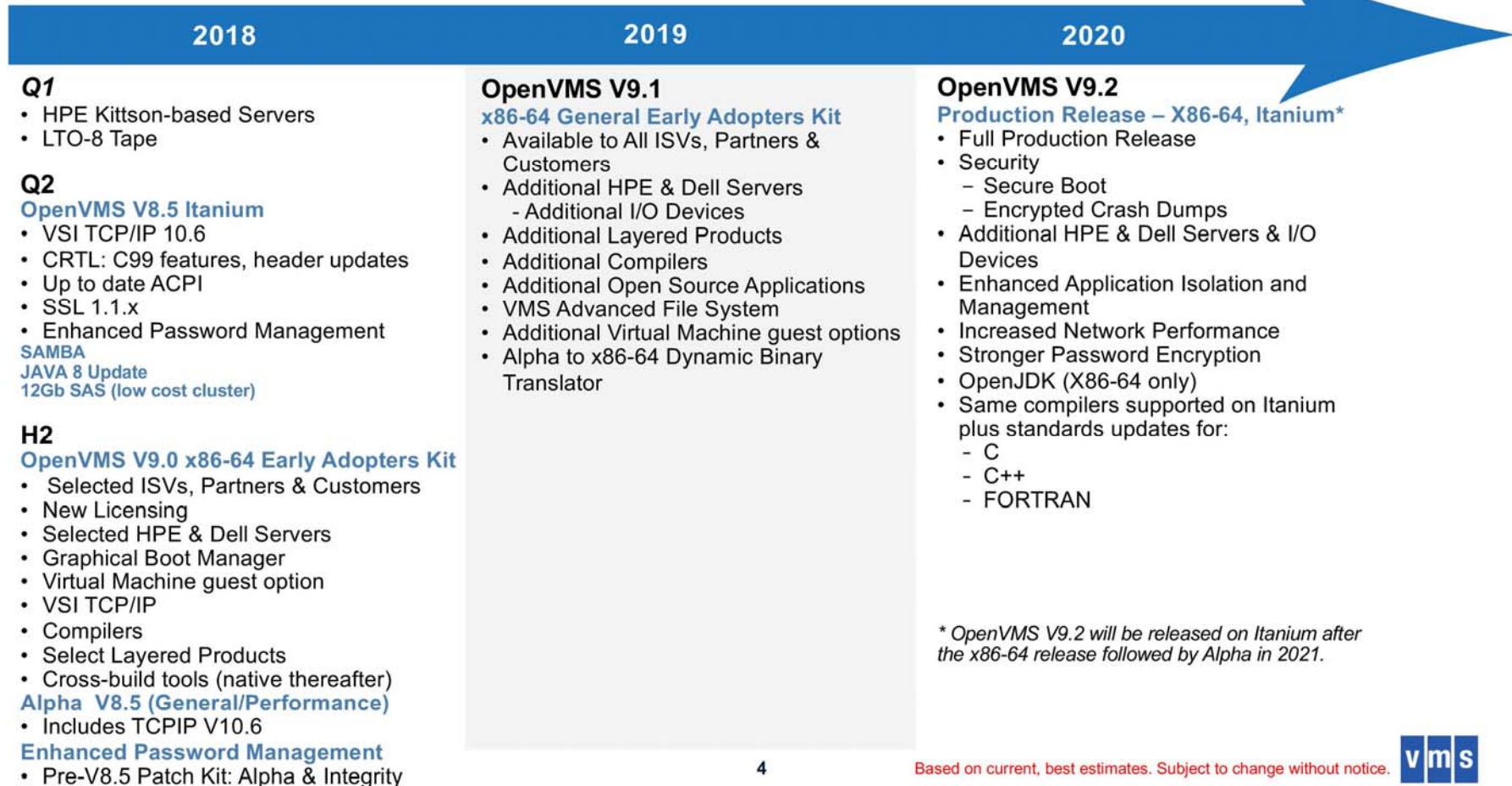
New File System: > 2 TB; faster directory performance

Higher network performance; New TCP/IP stack

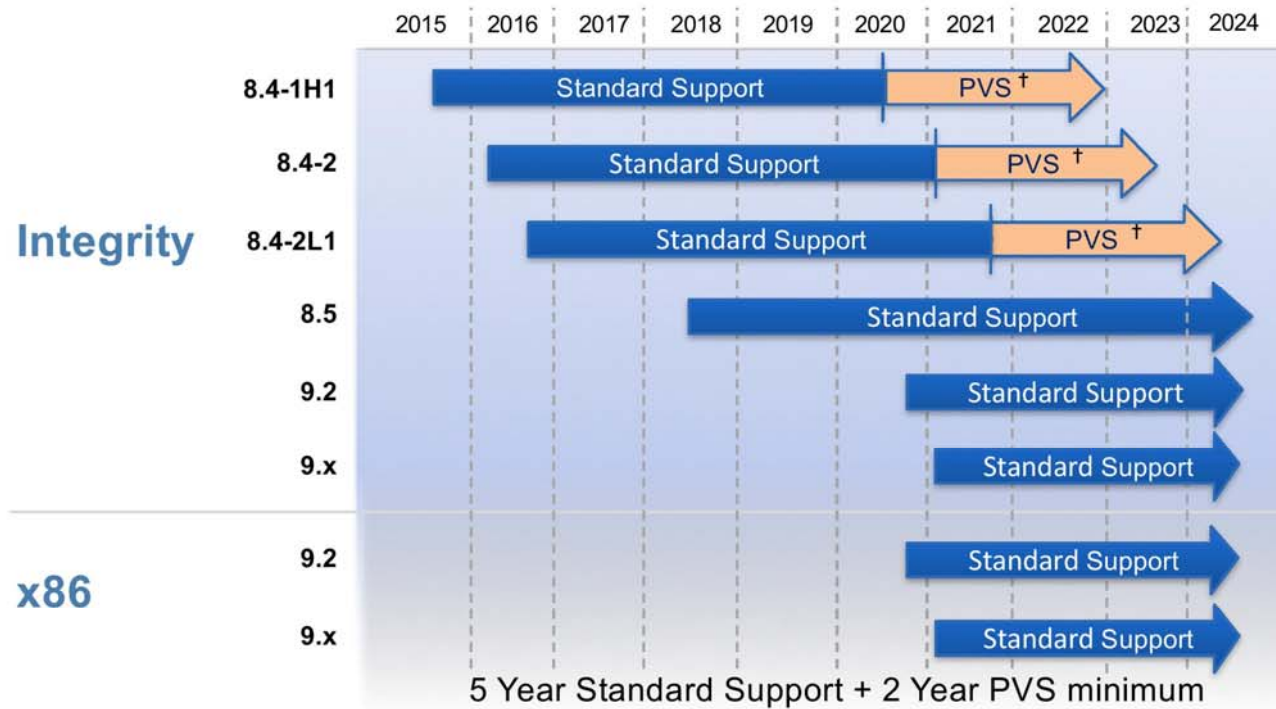
# OpenVMS Tracks: VSI OpenVMS on x86



# VSI OpenVMS Rolling Roadmap



# VSI OpenVMS Integrity & x86 Support Roadmap



† PVS – Prior Version Support without Sustaining Engineering  
 24 Month notice will be provided before support is ended  
 Extended Engineering Support (EES) contract is available



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# Questions?

**HPE**  
POINTNEXT

**Thank you**

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