

1E02 OpenVMS Update & Product Roadmaps

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HP OpenVMS Rolling Roadmaps

These roadmaps are provided to you solely for your convenience and are updated approximately every 3 months. While it contains our current plans, all information in the roadmaps is subject to change without notice. HP doesn't warrant that we'll introduce any product or feature discussed in the roadmap at any time, nor that the information is accurate.

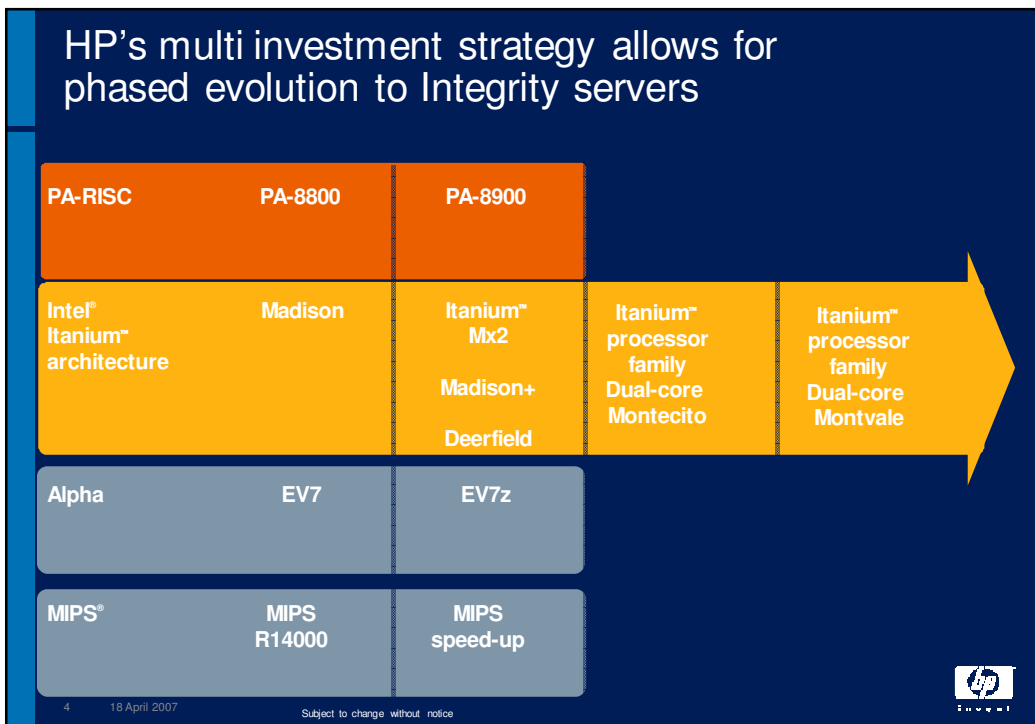
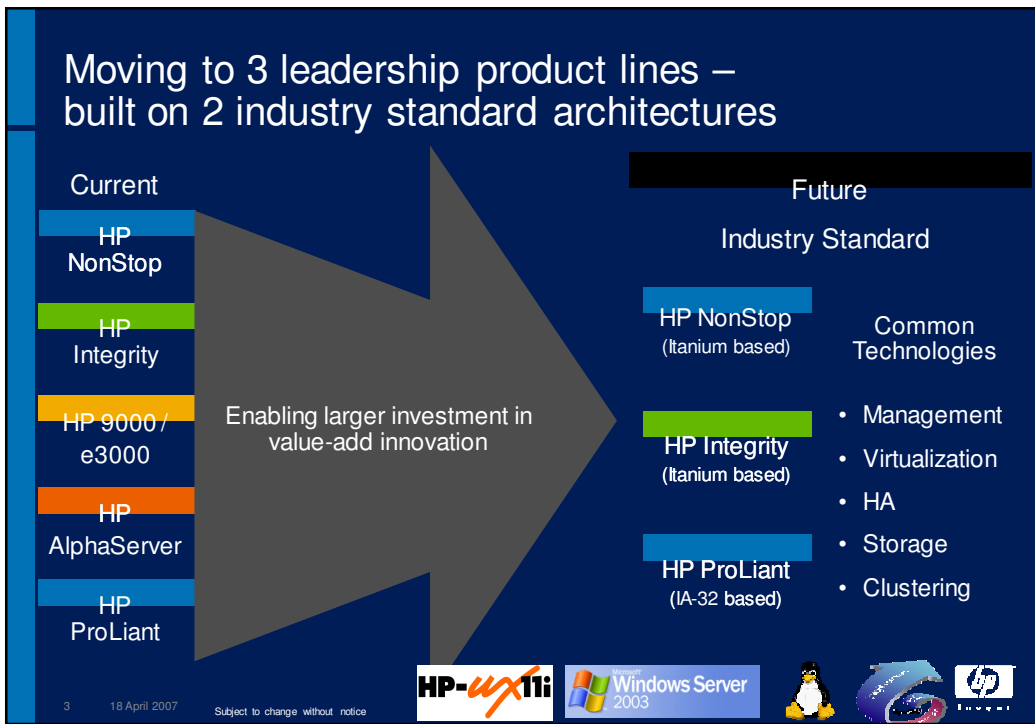
March 2007

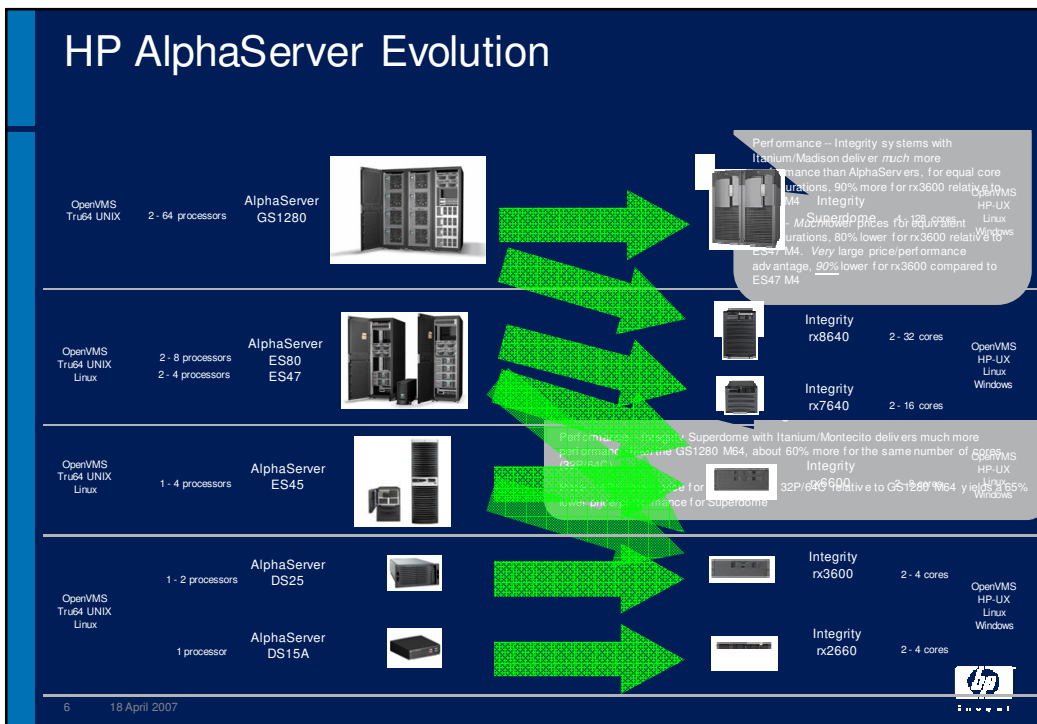
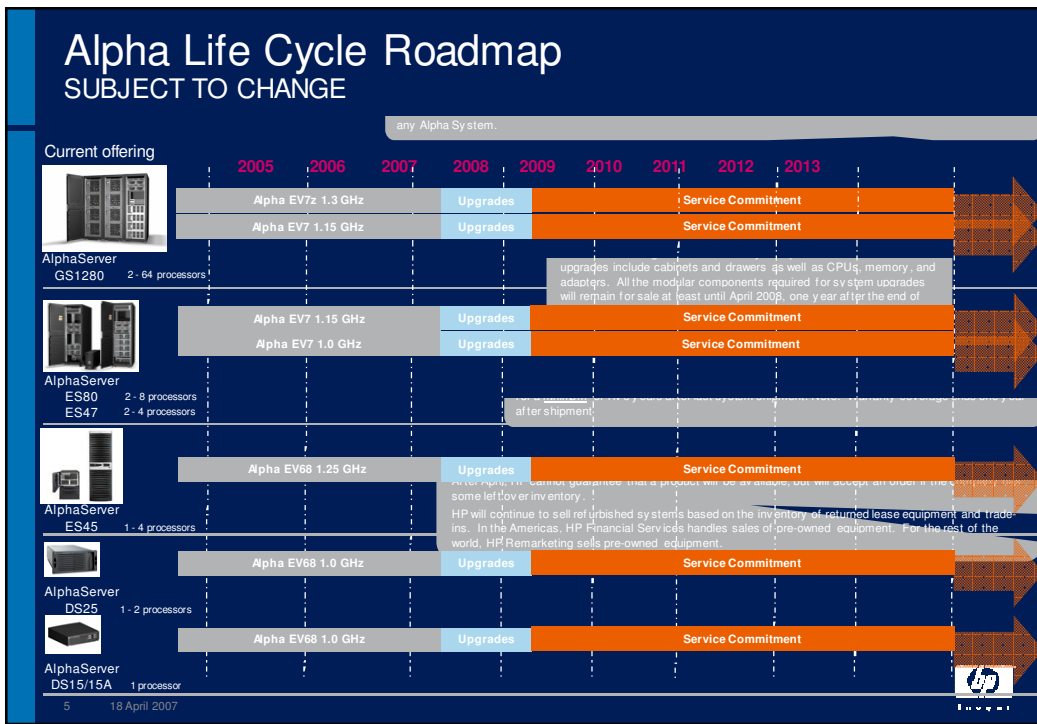


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HP OpenVMS Operating System for Integrity servers, AlphaServers and VAX

- OpenVMS Releases
- OpenVMS on Integrity Servers
- UNIX Portability
- Clusters
- Storage
- LAN
- Security

Note: Bright green shaded product boxes means product is already available




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HP OpenVMS Operating System Rolling Roadmap

| 2007 | 2008 | 2009 | 2010 | 2011 |
|---|--|--|--|--|
| <p>OpenVMS V8.3 Shipping Now! Platforms: Alpha and Integrity</p> <p>New support: • rx2660 – 2/07 • PCI Express – 3/07 > rx2660 > rx3600 > rx6600</p> | <p>HP c-Class Integrity Blade FRS: June '07</p> <ul style="list-style-type: none"> • V8.3 based system support | <p>OpenVMS V8.4 FRS: 18-24 months Platforms: Alpha and Integrity</p> <ul style="list-style-type: none"> • New Integrity systems • Storage performance and connectivity • Performance & Scalability enhancements • Industry Standards: Security, Integration software, Web Services, Java, UNIX/Linux Interoperability | <p>OpenVMS V8.n FRS: +18-24 months Platforms: Alpha and Integrity</p> <ul style="list-style-type: none"> • New Integrity systems • Industry standards • Performance & Scalability enhancements • Virtualization | <p>Continued OpenVMS releases</p> |
| | <p>OpenVMS V8.3-1H1 FRS: H2 2007 Platforms: Integrity only</p> <ul style="list-style-type: none"> • Dual-core Intel® Itanium® 2 processor upgrades • HP c-Class Blades system management support • New I/O options support (PCI Express) | <p>HPVM – HP Integrity Virtual Machine</p> | | |

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HP OpenVMS Operating Environments

Mission-Critical OE

- Multi – Server Availability
- Disaster Tolerance

Enterprise OE

- Manageability
- Single System Availability
- Performance

Foundation OE

- Reliability
- Security
- Serviceability

HP Virtual Server Environment

Optimum utilization and flexibility in real time

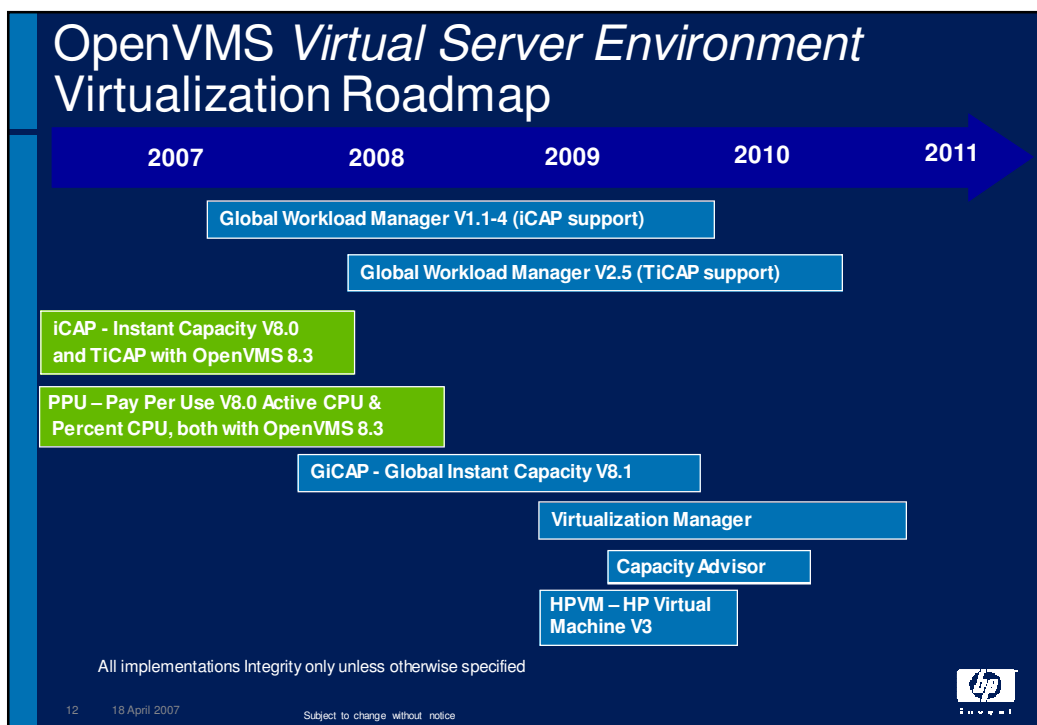
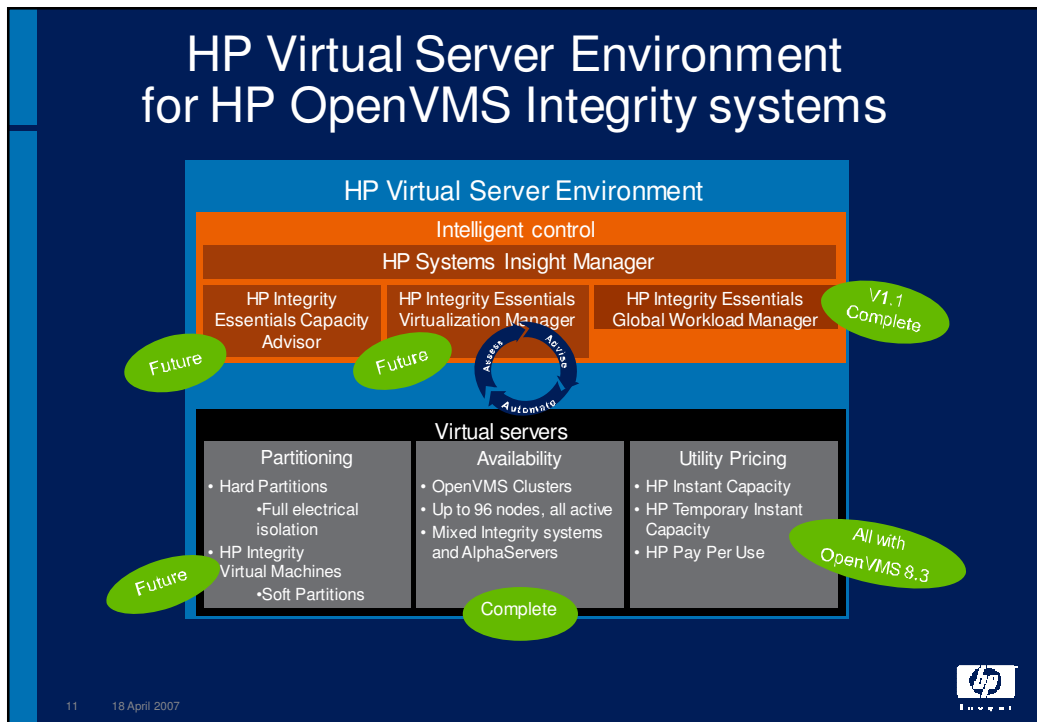
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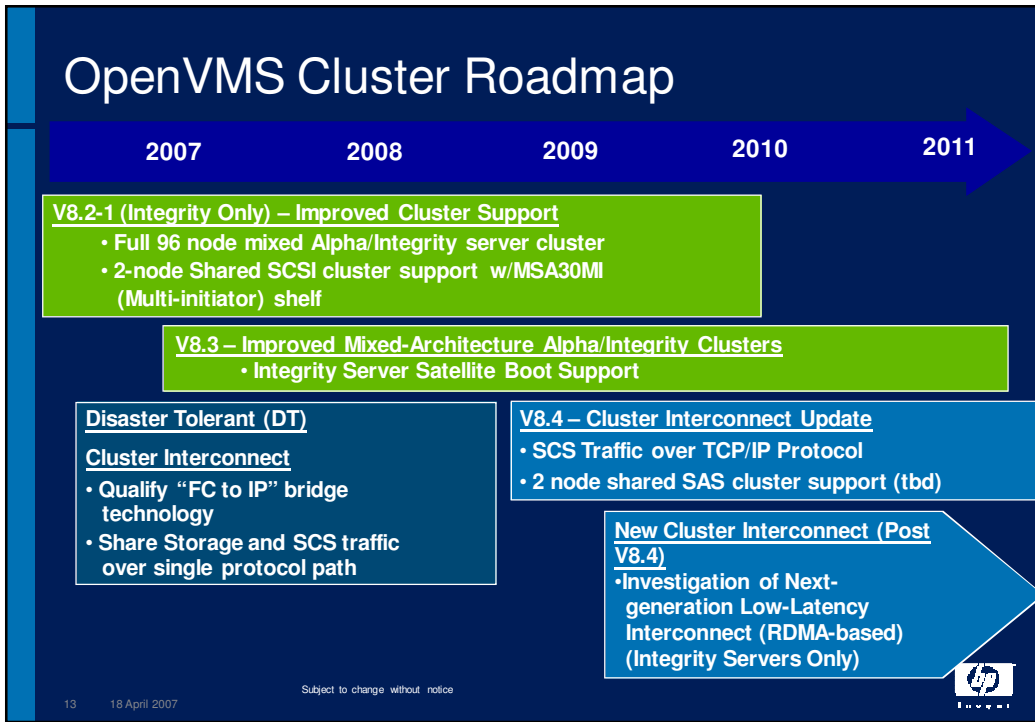
OpenVMS Operating environments

- OpenVMS I64 Mission-Critical Operating Environment (MCOE)
- OpenVMS I64 Enterprise Operating Environment (EOE)
- OpenVMS I64 Foundation Operating Environment (FOE)

EOE and MCOE contents can be purchased separately

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OpenVMS Cluster Support Matrix

| | | AlphaServer Releases | | |
|----------------------------------|--------|----------------------|-----------|-----------|
| | | V7.3-2 | V8.2 | V8.3 |
| Integrity server Releases | V8.2 | Warranted | Warranted | Migration |
| | V8.2-1 | Warranted | Warranted | Migration |
| | V8.3 | Migration | Migration | Warranted |

Notes:

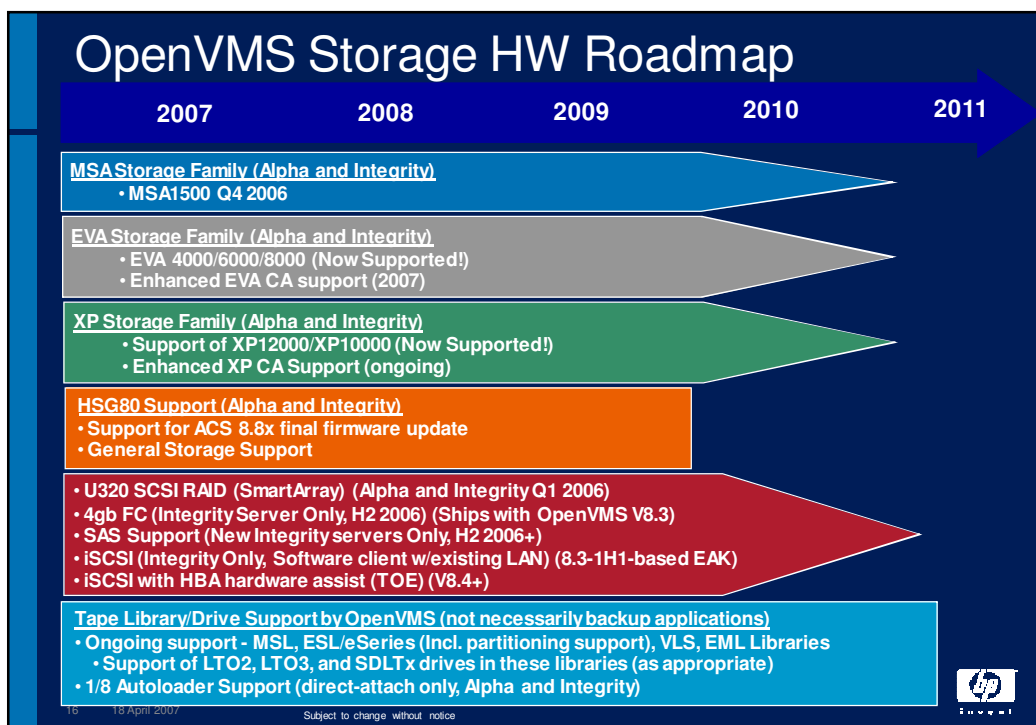
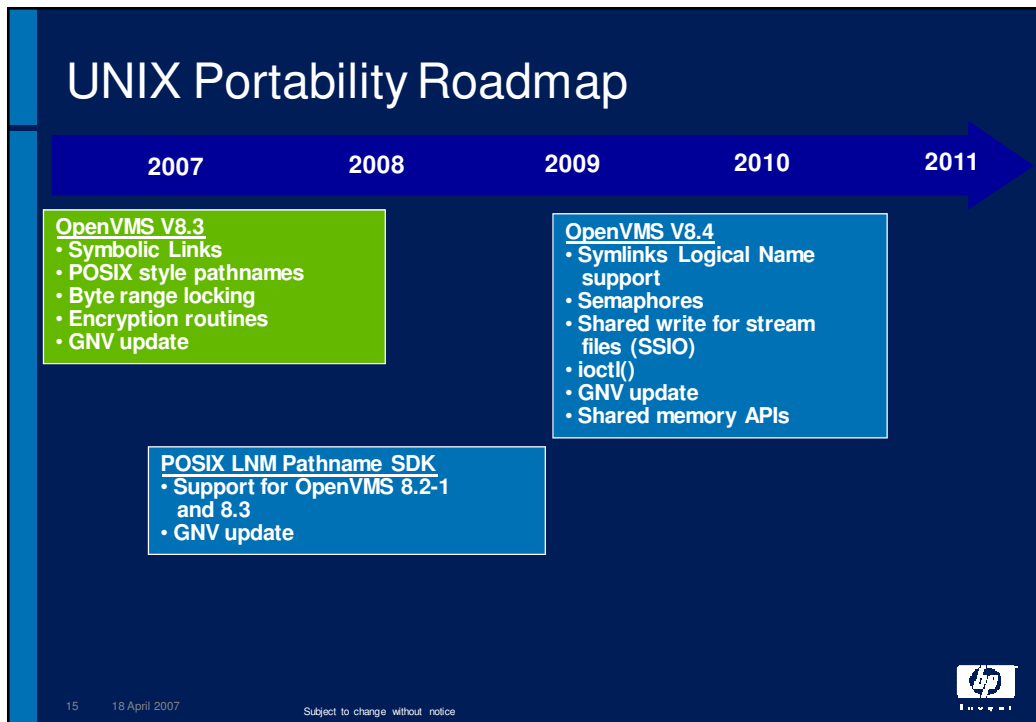
- Same platform/version pairings always warranted
- Alpha V7.3-2 and V8.2 are Warranted Together
- Alpha V7.3-2 goes into Prior Version Support 31-Dec-2006
- Integrity V8.2 goes EOSL 31-Dec-2006

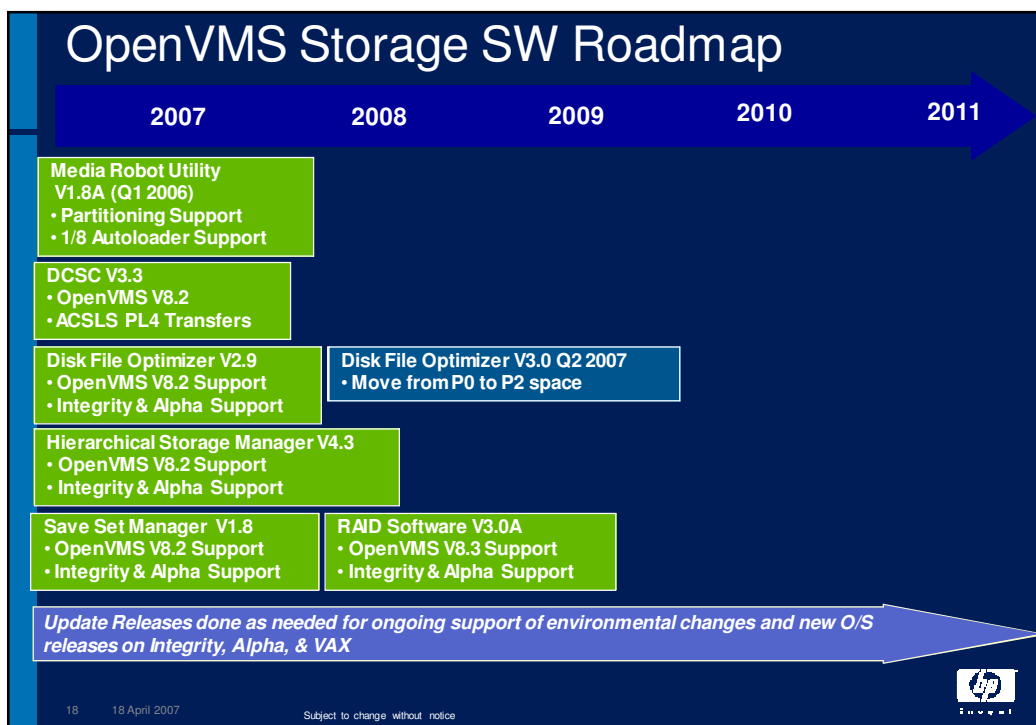
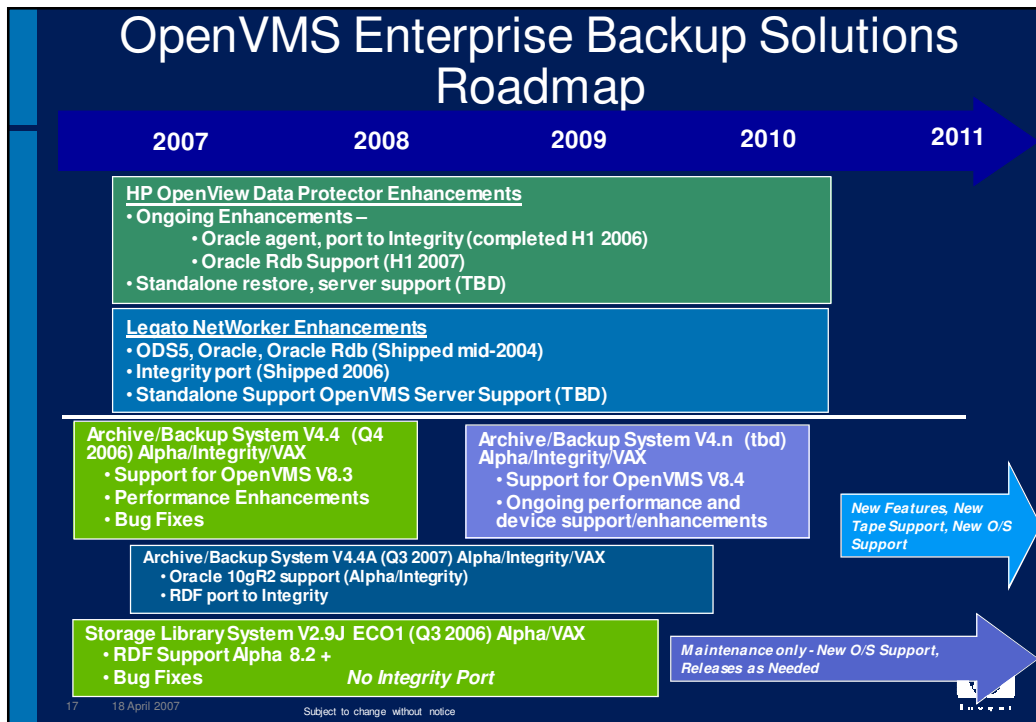
| | | AlphaServer Releases | | |
|--------------------|------|----------------------|-----------|-----------|
| | | V7.3-2 | V8.2 | V8.3 |
| VAX Release | V7.3 | Warranted | Warranted | Warranted |

Note: VAX and Integrity Servers can exist in the same cluster **ONLY** for temporary migration purposes

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OpenVMS LAN HW Roadmap

2007
2008
2009
2010
2011

| | |
|--|--|
| <p><u>OpenVMS V8.3</u></p> <ul style="list-style-type: none"> • Integrity Network Boot support • VLAN support • 10 Gigabit NIC support (Integrity Servers only) | <p><u>Post OpenVMS V8.3:</u></p> <ul style="list-style-type: none"> • PCI-express support: <ul style="list-style-type: none"> ➢ 1 Gbit NIC ➢ 10 Gbit NIC • Investigate RNIC advanced features |
|--|--|

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OpenVMS Security Roadmap

2007
2008
2009
2010
2011

| | |
|--|--|
| <p><u>OpenVMS V8.3</u></p> <ul style="list-style-type: none"> • Production Quality ACME Login with LDAP & Kerberos Agents • CDSA/Secure Delivery • Encrypt for OpenVMS: <ul style="list-style-type: none"> ➢ integrated with O/S ➢ AES support • Kerberos & SSL version updates • Kerberized SSH | <p><u>Post 8.3 Features:</u></p> <ul style="list-style-type: none"> • ACME LOGIN default • Active Directory auth support • Auditing enhancements • SSL & Kerberos updates • Secure Delivery enhancements • OS Hardening • Security Patch Checker • IPSEC |
|--|--|


Open Source Security Tools

- SSLDump
- SNORT for Network Intrusion Detection
- GnuPG Update

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OpenVMS eBusiness and Integration Technologies




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OpenVMS eBusiness and Integration Technologies

2007 2008 2009 2010 2011

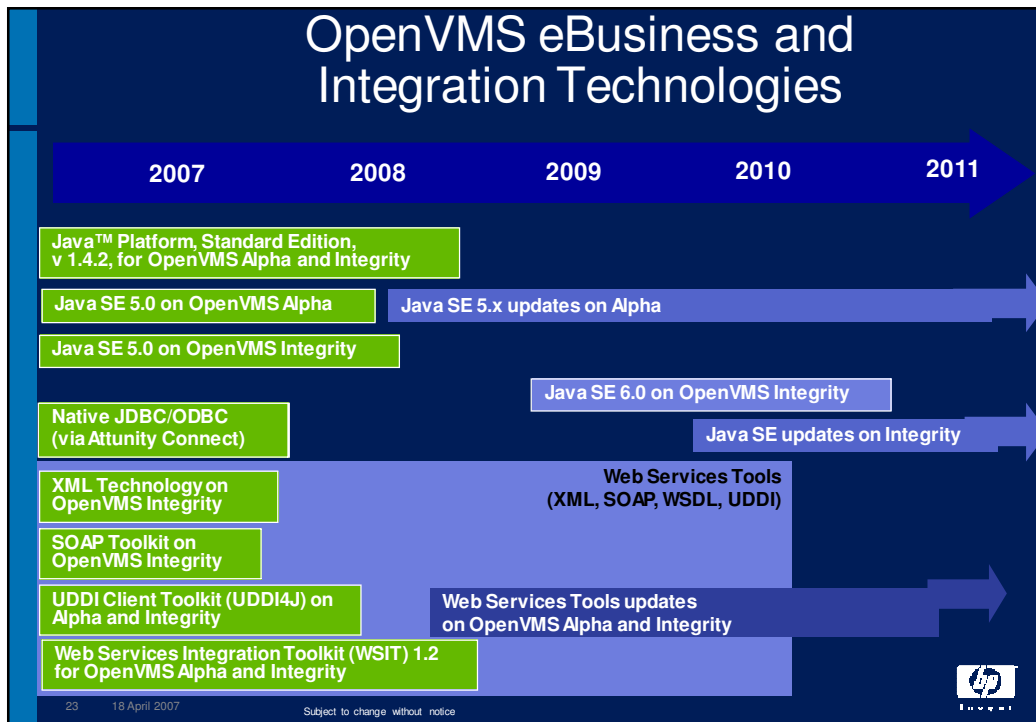
- Secure Web Server V2.1-1 (Apache 2.0.x based) on OpenVMS Alpha and Integrity
- Tomcat (JSP) 5.5.9
- PHP 4.3.10
- mod_perl 2.0 and Perl 5.8.6
- Secure Web Browser V1.7-13 on OpenVMS Alpha and Integrity
- Secure Web Browser based on Firefox and Thunderbird
- BridgeWorks V3.0A on OpenVMS Alpha
- COM V1.4 on OpenVMS Alpha
- OPC Transport for OpenVMS Integrity
- DCE V3.2 for OpenVMS Alpha and Integrity

SWS and SWB updates on Alpha and Integrity tracking the associated open source project



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Database Solutions



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Oracle Server on OpenVMS

- Versions currently certified and supported
 - Oracle 9i on OpenVMS Alpha V7.3-2, V8.2 and V8.3
 - Oracle 10gR1 on OpenVMS Alpha V8.2 and V8.3
 - Oracle 10gR2 on OpenVMS Alpha V8.2
 - Oracle 10gR2 on OpenVMS Integrity V8.2-1 and V8.3
- Versions under development
 - Oracle 9i, 10gR1 and 10gR2 patch sets
 - Oracle 11g for OpenVMS Integrity
- For additional information please visit <http://h71000.www7.hp.com/partners/oracle/>

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Rdb on OpenVMS


- Versions currently certified and supported
 - Rdb 7.0 on OpenVMS VAX V5.5-2 – V7.3
 - Rdb 7.0 on OpenVMS Alpha V6.1 – V8.2
 - Rdb 7.1 on OpenVMS Alpha V7.2 – V8.3
 - Rdb 7.2 on OpenVMS Alpha V8.2 – V8.3
 - Rdb 7.2 on OpenVMS Integrity V8.2-1 – V8.3
- Versions under development
 - Rdb 7.0, 7.1 and 7.2 patch sets
 - Rdb 7.3 for OpenVMS Alpha and Integrity
- For additional information please visit <http://h71000.www7.hp.com/partners/oracle/>

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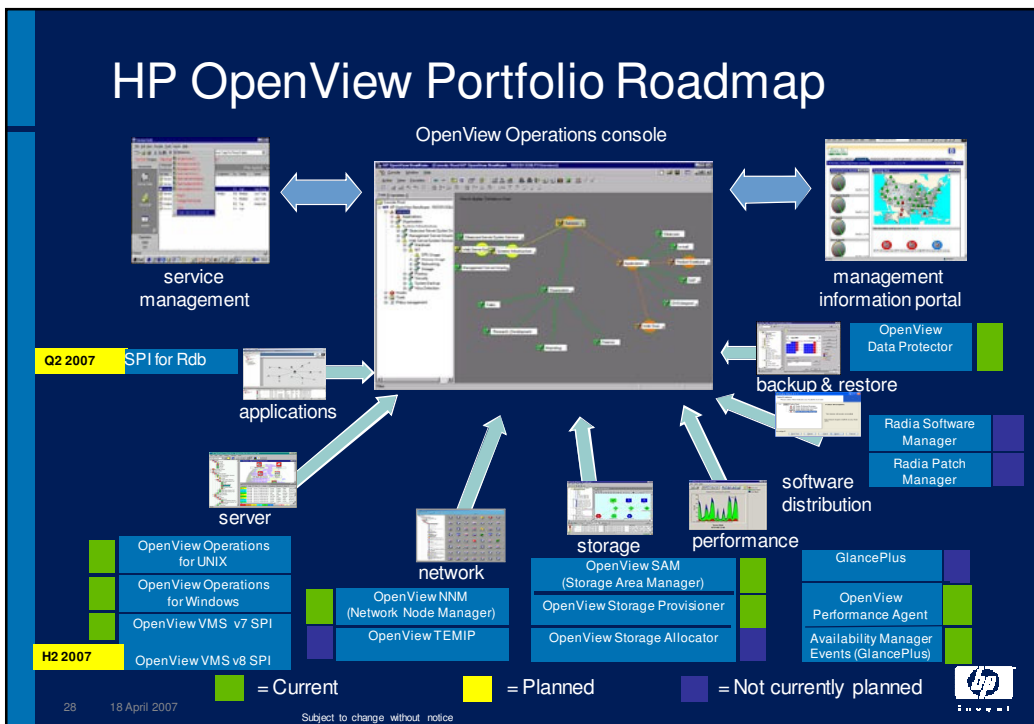


System Management

- HP OpenView Integration Planning
- HP Web Management Agents
- HP OpenVMS Solutions

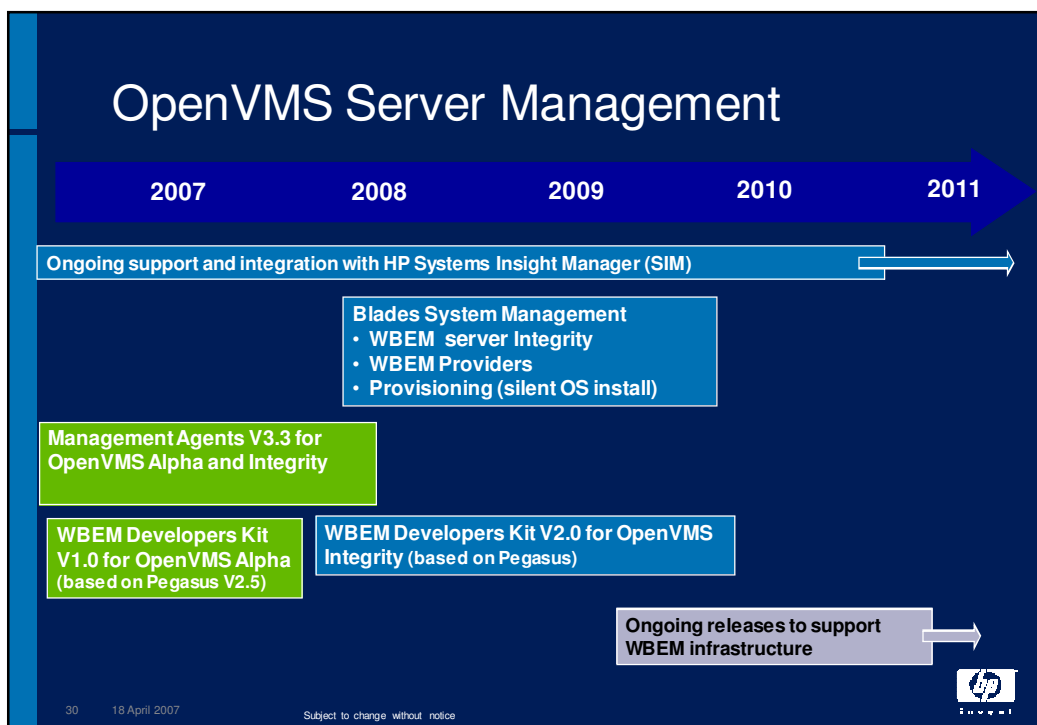
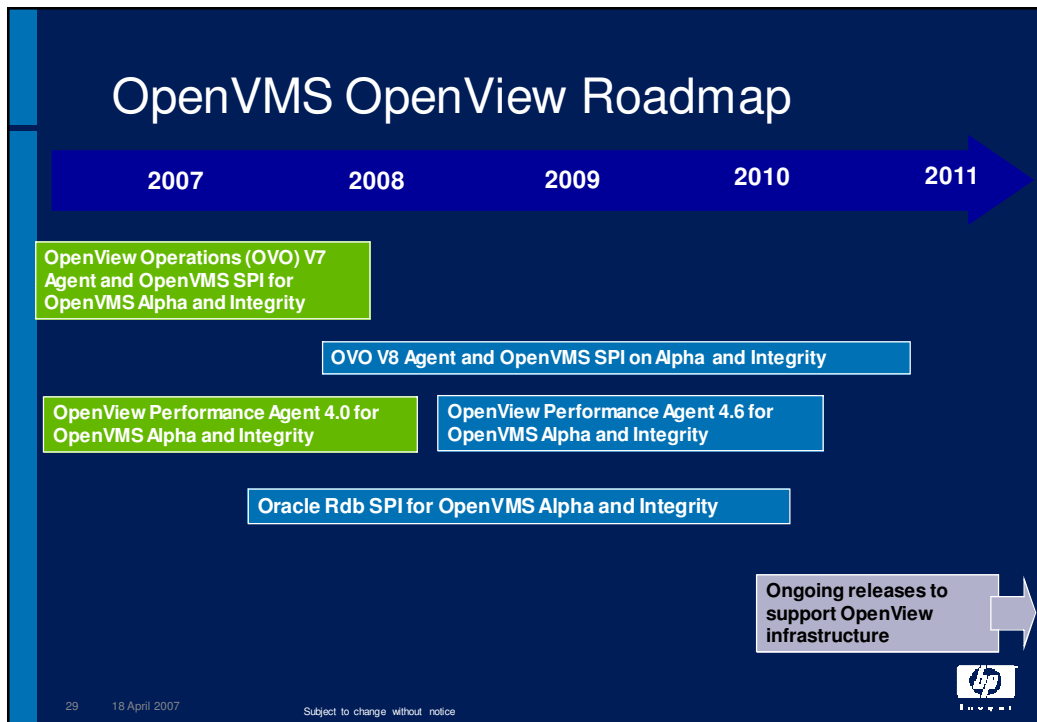


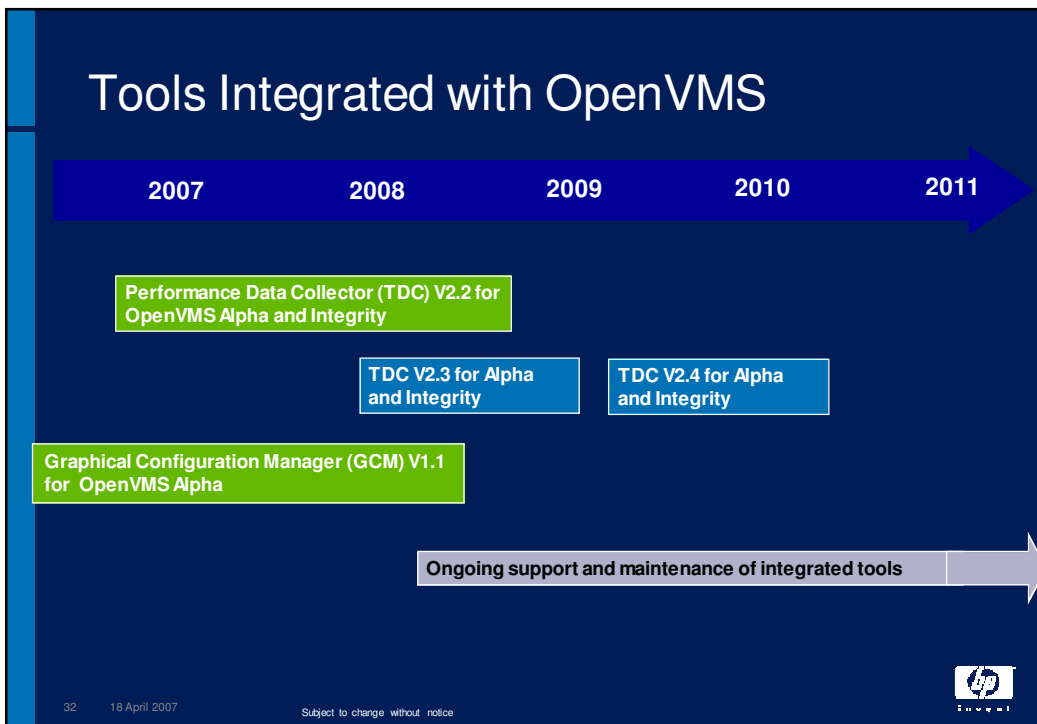
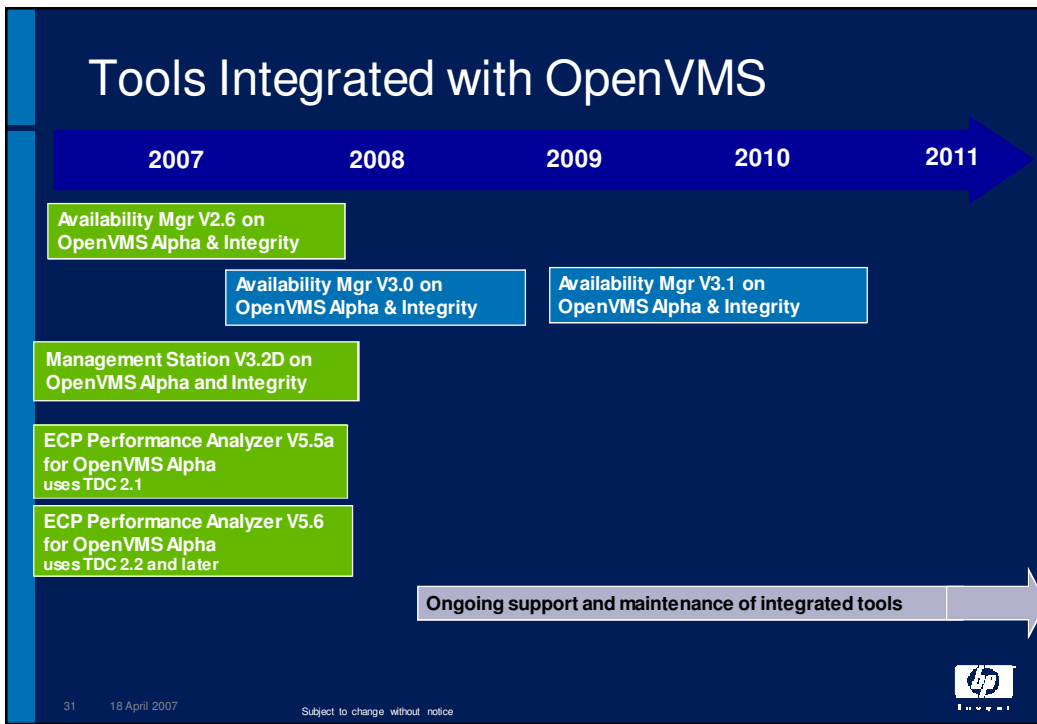
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Networking Products

- TCP/IP Services Server Products
- DECnet, WAN & X.25
- File/Print Servers and Common
Common Internet File System (Samba)
- IBM SNA Products



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TCP/IP Services for OpenVMS

2007
2008
2009
2010
2011


TCP/IP V5.6 H2 2006 - Alpha & Integrity for OVMS V8.3

- DNS /BIND 9 Resolver & V9.3 Server
- NFS enhancements
- FTP performance improvements
- Security modifications
 - DNS security extensions
 - NTP sec update (SSL)
 - SSH upgrade w/Kerberos
- Mail improvements
- TELNET Server Device limit
- IPV6 support – LPD & TELNETSYM
- TCPIP\$CONFIG (failSAFE) update
- Improved Mgt Utilities (ifconfig)

TCP/IP support of V8.3-1H1 & V8.4

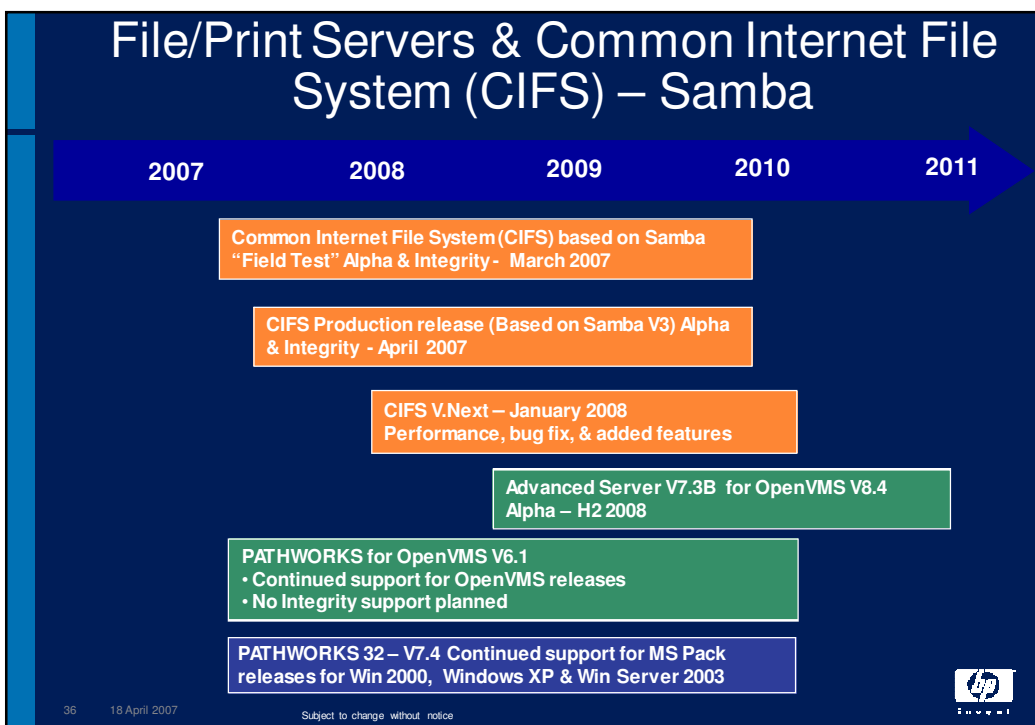
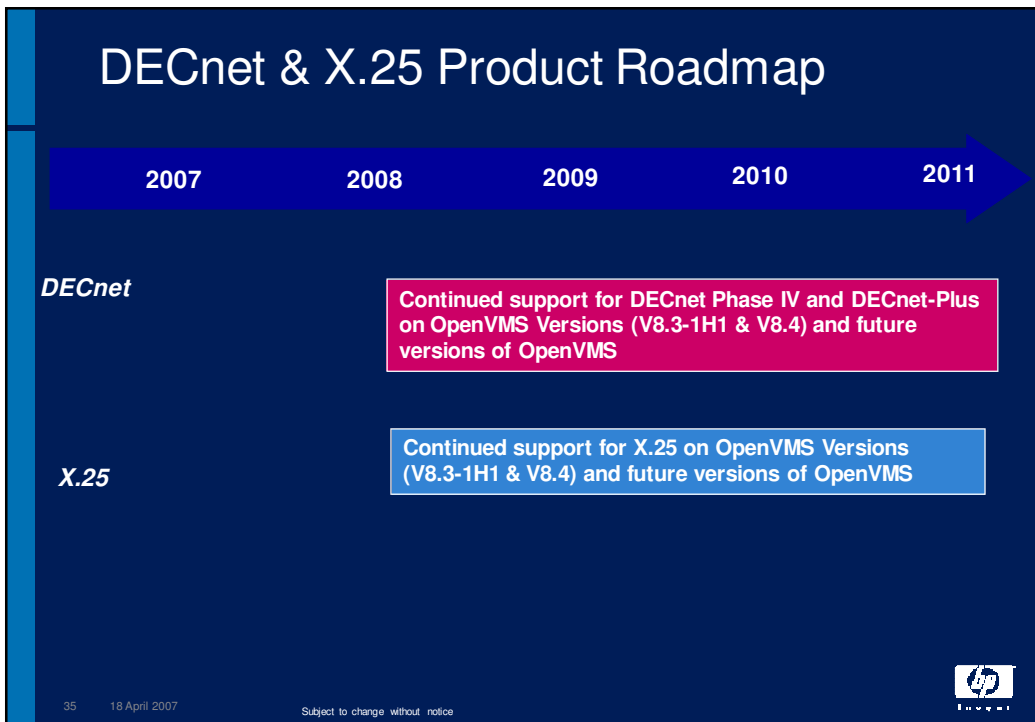
- *Continued focus on Networking enhancements to support interoperability, connectivity, discovery, and security*
- IPSec
- Clusters over TCP/IP
- Packet Processing Engine
- NFS enhancements
- FTP enhancements
- LPD port configurability
- V5.7 planned for H2 2008

IPsec EAK available post OpenVMS V8.3 & TCP/IP V5.6 - H2 2007



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OpenVMS IBM SNA Solutions

2007
2008
2009
2010
2011

Support for HP OpenVMS SNA on OpenVMS Version 8.3 Alpha & Integrity "available now"

IBM SNA product port to Integrity
Supporting OpenVMS V8.2-1 & V8.3 February 2007

- HP SNA 3270 Terminal Emulator for OpenVMS
- HP SNA Remote Job Entry for OpenVMS
- HP SNA Application Programming Interface for OpenVMS
- HP SNA 3270 Data Stream Programming Interface for OpenVMS
- HP SNA APPC/LU6.2 Programming Interface for OpenVMS
- HP SNA Printer Emulator for OpenVMS
- HP SNA Data Transfer Facility "Client & Server" for OpenVMS
- HP SNA Gateway Management Software (May 2007)

Support for HP OpenVMS SNA on OpenVMS Version 8.4 Alpha & Integrity - H2 2008

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DECprint Supervisor (DCPS) Roadmap

2007
2008
2009
2010
2011

DCPS V2.6 Q1 2007

- Alpha, Integrity, VAX
- New HP printer support
- Select 3rd party printer support

DCPS V2.7 Q2 2008

- Alpha, Integrity, VAX
- New HP printer support
- Select 3rd party printer support
- IPv6 support (Alpha & Integrity)
- USB port printing

DCPS V2.8 Q2 2009

- Alpha, Integrity, VAX
- New HP printer support
- Select 3rd party printer support


Future functionality under consideration:

- PDF Printing
- Print to file
- Parallel port printing
- PPD file parsing
- Release-independent new printer support

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Transaction Processing and Middleware Software




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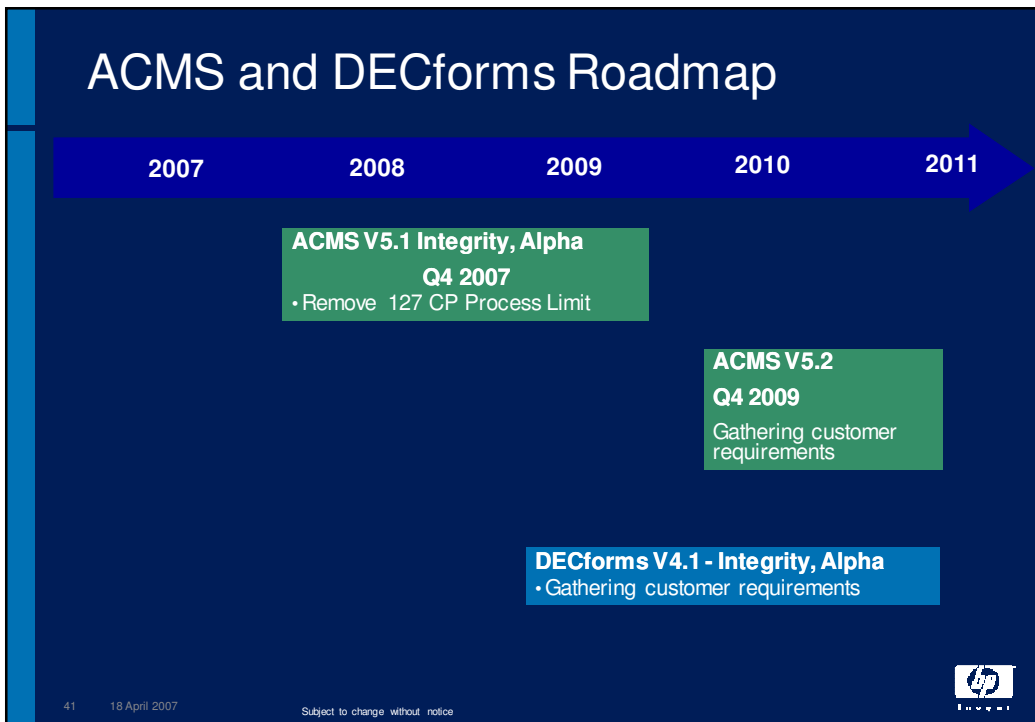
Reliable Transaction Router (RTR) Roadmap

| 2007 | 2008 | 2009 | 2010 | 2011 |
|--|--|--|------|------|
| <div style="border: 1px solid green; background-color: #006633; color: white; padding: 5px;"> <p>RTR V5.1 Q2 2007</p> <p>Features:</p> <ul style="list-style-type: none"> • Group Channel Failover • Multiple value ranges in one partition • New Platform Support: <ul style="list-style-type: none"> • HP-UX Integrity 11i v2 • Linux Integrity • Continued Platform support: <ul style="list-style-type: none"> • OpenVMS Integrity • OpenVMS Alpha • Windows IA32 • Linux IA32 front end </div> | | | | |
| | <div style="border: 1px solid green; background-color: #006633; color: white; padding: 5px;"> <p>RTR V5.1 ECO #1 Q3 2007</p> <p>HP-UX 11i v3 support</p> </div> | | | |
| | | <div style="border: 1px solid green; background-color: #006633; color: white; padding: 5px;"> <p>RTR V5.2 Q4 2009</p> <p>Gathering customer requirements</p> </div> | | |

Note: RTR version 4.2 for Sun Solaris and Tru64 UNIX are in Mature Product Status.

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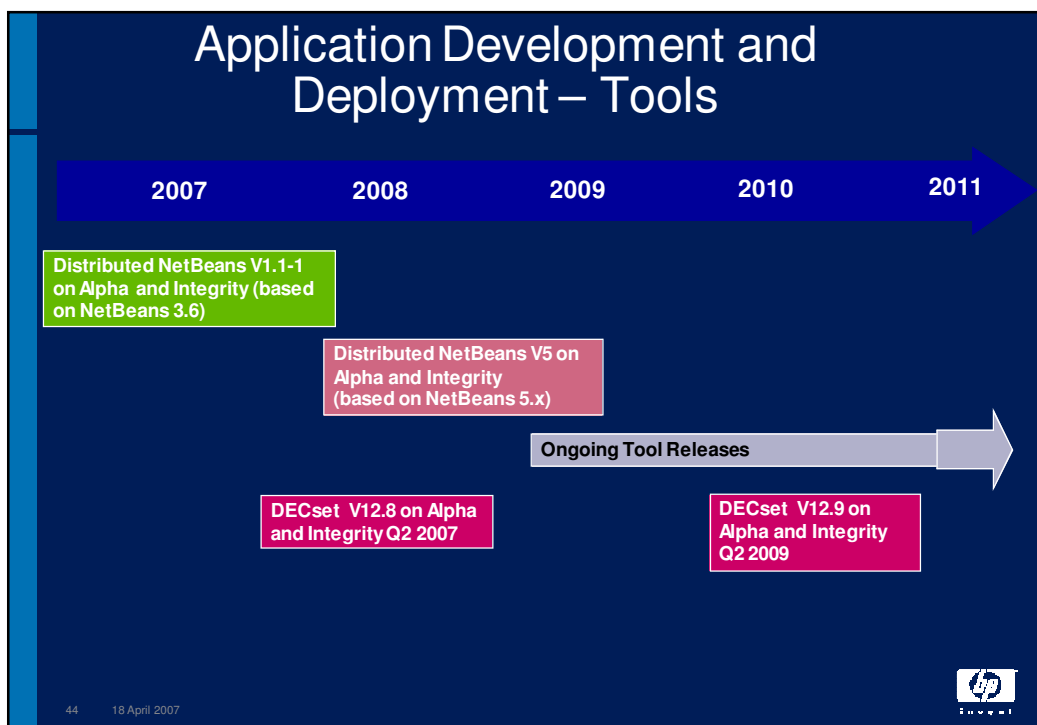
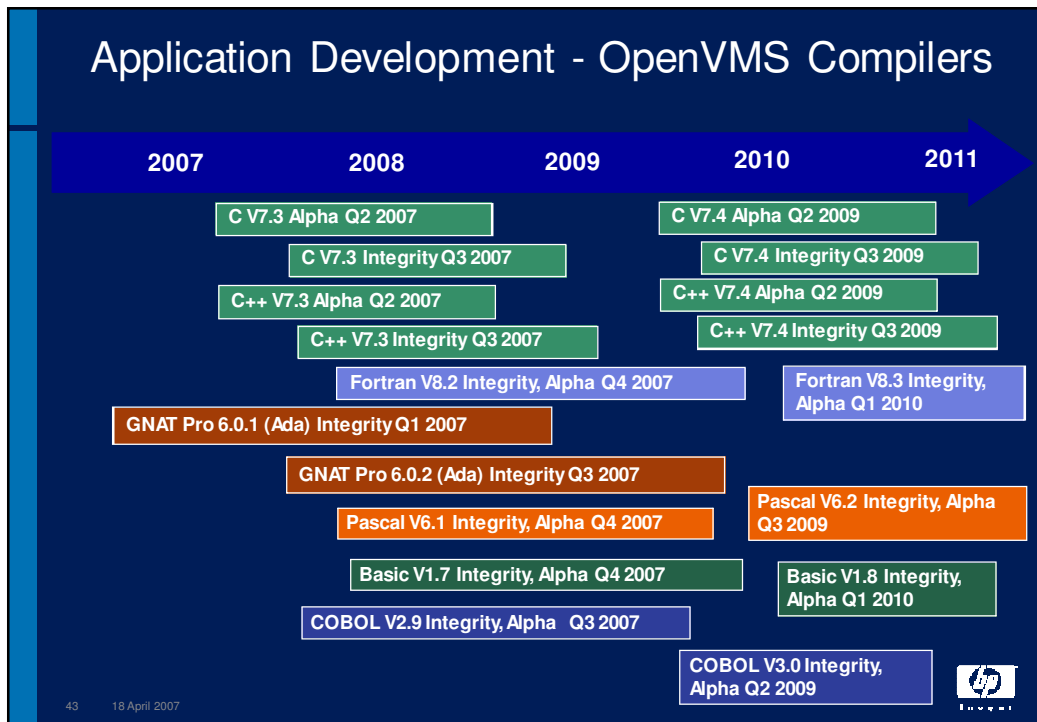



Application Development Into The Future



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OpenVMS Unified Messaging and Directory Roadmap

2007 2008 2009 2010 2011

- **CommuniGate Pro - Unified Messaging and Voice over IP SIP Server (CommuniGate Systems)**
OpenVMS Integrity and AlphaServer
The endorsed replacement for ALL-IN-1, Office Server, TeamLinks, MAPI Driver, Web Interface
- **Enterprise Directory V5.4 on OpenVMS 8.2 Foundation**
Operating Environment for Integrity and OpenVMS 8.2 AlphaServer
- **Enterprise Directory V5.5 on OpenVMS 8.3**
Foundation Operating Environment for Integrity


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BASEstar Products



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BASEstar Roadmap

2007

- BASEstar V3.2 – January 2006**
 - New OpenVMS release for Integrity
 - New HP-UX release for Integrity
 - Specific components: BASEstar Open Server, DEComni API, DECoasp/H1, DECosap/ AP, Siemens S7
 - Quality enhancements
 - Point Locking functional enhancement
- BASEstar V3.2 Platforms supported**
 - OpenVMS VAX & Alpha
 - Tru64 UNIX
 - Windows
 - HP-UX PA-RISC
- Continued support for BASEstar**

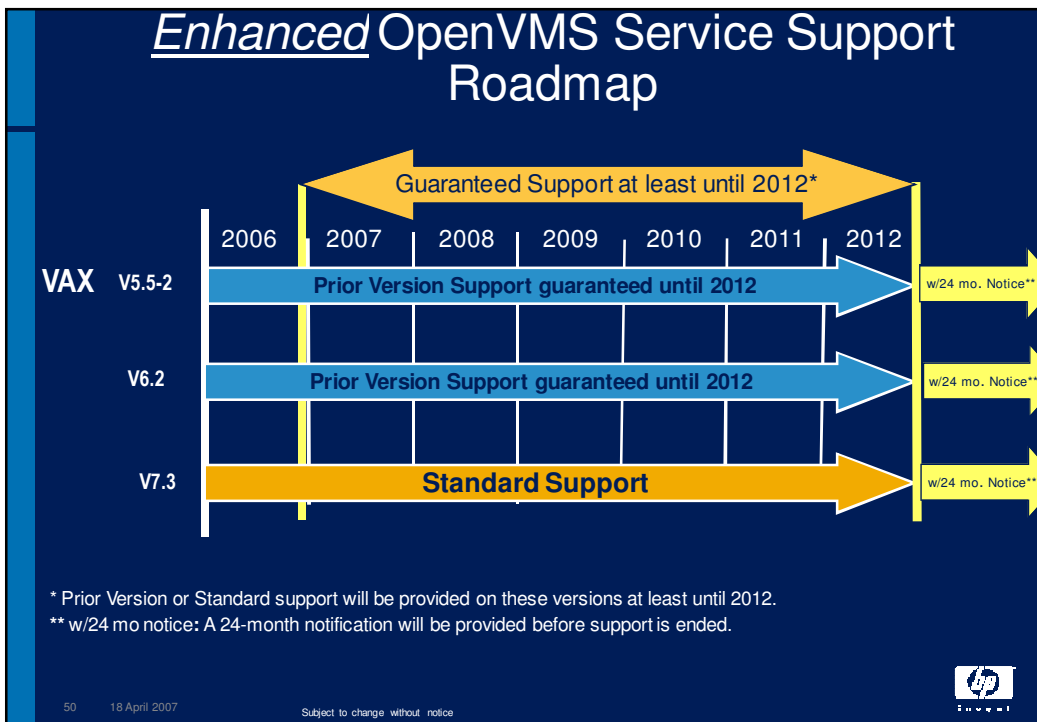
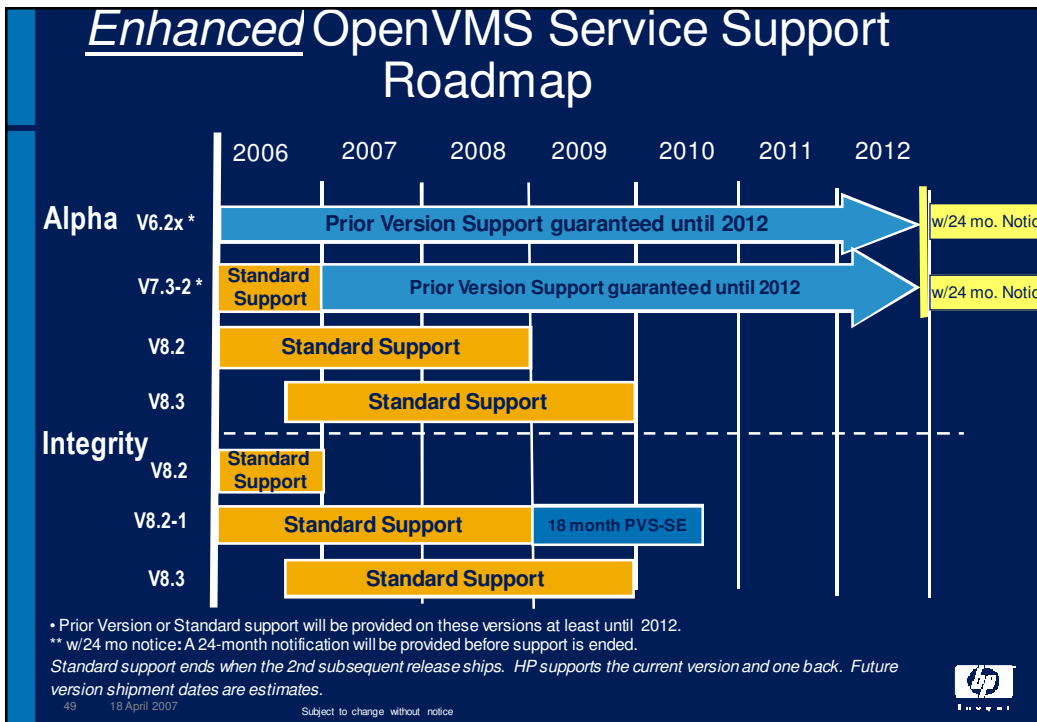
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OpenVMS Service Support

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