



## Message from Office of OpenVMS programs

To: VMS Champions  
From: Sujatha Ramani, Office of OpenVMS Programs  
Subject: VMS Update Aug - Sept 2009

Sept 22, 2009

Dear VMS Champions,

I am very happy to bring you the VMS update for Aug - Sept 2009. We have interesting updates for you in the following sections.

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1.0 Time Sensitive:- As you all know, we have the European TUDs that are underway as we speak.  
The feedback from the first 3 countries Switzerland, France and Germany has been extremely good and we are very happy to see such huge participation from the customers and partners in all the countries. In these countries, we got to meet more

than 150 customers and over 30 partners. Our OpenVMS customers and partners are the best! Will come back to you with an article on this shortly!

## 2.0 OpenVMS Engineering Page:-

### 2.1 Retirement of Mozilla on OpenVMS

HP Secure Web Browser for OpenVMS (based on Mozilla) on Integrity and Alpha will be retired by February 2010. Alternative browsers available on OpenVMS are:

- HP Firefox Web Browser V2.0-18 based on Mozilla Firefox V2.0.0.18, available only on OpenVMS Integrity
- Secure Web Browser V1.1-12 based on Sea Monkey V1.1.12, available on both OpenVMS Integrity and Alpha

### 2.2 CSWS\_PHP v2.1

CSWS\_PHP V2.1 was released in August 2009

[http://h71000.www7.hp.com/openvms/products/ips/apache/csws\\_php.html](http://h71000.www7.hp.com/openvms/products/ips/apache/csws_php.html) .

This version provides improved performance, enhanced GD extension, and enhanced session extension. It works with the HP Secure Web Server Version 1.3-1 and 2.1 and higher. It does not work with SWS Version 2.0

### 2.3 MDS600 Golden Egg

The latest Golden Eggs configuration of an OpenVMS cluster with the newly supported MDS600 SAS storage device for blades is available for your download at <http://www.openvms.org/stories.php?story=09/08/19/6406765>

### 2.4 HP SMH V2.0-20 Patch Release

System Management Homepage (SMH) for OpenVMS is a web-based system management solution to manage HP Integrity and Alpha servers running OpenVMS. It monitors system components (including CPU, Memory, System board, NIC, Storage, and Fan/Cooling devices), and reports system component status, hardware faults and system thresholds through an easy-to-use user interface for an individual server. SMH V2.0-20 patch release is an update to SMH V2.0-17 for Integrity servers only. This update addresses six known issues in SMH and adds two new features.

- Support for Settable Threshold Temperatures on Blade Systems.
- Support for SMH Recovery during Installation Disk Migration. While migrating Installation disk within the same system due to a disk failure or a backup, SMH on the new disk can be used directly without having to reinstall it.

Fixes for the known issues:

- HP SMH health agent uses a high amount of CPU or memory resources when the size of Operator Communications (OPCOM) log file, namely OPERATOR.LOG, is large.

- On cell-based systems, when a redundant power supply fails, it results in the generation of 5-6 SNMP traps every minute.
- On Integrity servers, HP SMH displays incorrect number of power sensors.
- On Integrity servers that support iCAP, HP SMH reports CPUs with disabled iCAP cores as "degraded". The status of a CPU containing a disabled iCAP core is now reported by HP SMH as "unknown", instead of "degraded".
- HP SMH fails to report information about fan in rx3600 and rx6600 systems, and the failure of any of these components does not generate SNMP traps.
- Network MAC address of the system running HP SMH ending with 'F0' to 'FF' causes HP SMH to timeout.

SMH for OpenVMS Software and documents can be downloaded from following locations:

<http://h71000.www7.hp.com/openvms/products/smh/index.html>  
[http://h71000.www7.hp.com/openvms/products/smh/smh\\_download55.html](http://h71000.www7.hp.com/openvms/products/smh/smh_download55.html)  
[http://h71000.www7.hp.com/openvms/products/smh/smh\\_install\\_Guide.pdf](http://h71000.www7.hp.com/openvms/products/smh/smh_install_Guide.pdf)  
[http://h71000.www7.hp.com/openvms/products/smh/smh\\_Release\\_Notes.pdf](http://h71000.www7.hp.com/openvms/products/smh/smh_Release_Notes.pdf)

2.5 Field test version of SSL T1.4 is now available for download!

<http://h71000.www7.hp.com/openvms/products/ssl/ssl.html>

This new release is based on OpenSSL 0.9.8h and includes the following security updates from OpenSSL.org.

- Security patches
  - CVE-2008-5077 - Incorrect checks for malformed signatures
  - CVE-2009-0590 - ASN1 printing crash
  - CVE-2009-0591 - Incorrect Error Checking during CMS verification
  - CVE-2009-0789 - Invalid ASN1 clearing check
- Support for PKCS-12 files
- CMS support
- New cipher Camellia
  - New Encryption Algorithm, Not the plant.
  - 128-bit block cipher
  - Key lengths = 128, 192, and 256 bits
  - RFCs: 3657, 3713, 4051, 4132\*
- Added support for DTLS
- Added support for RSA – PSS encryption
- Update Elliptical Curve Cryptography (ECC)
- FIPS 180-2 algorithms: SHA224, SHA256, SHA384, SHA512

### 3.0 Customer Page

#### 3.1 The field test for OpenVMS 8.4 is announced!

This invitation went to participating customers who showed interest and expressed keenness to participate in the Field test of OpenVMS in the past.

A short preview to the features of OpenVMS 8.4 to my exclusive fiends here!

Features of Version 8.4: Here are some of the planned enhancements and new features for OpenVMS Version 8.4 for Alpha and Integrity Servers.

- Support for HPVM (virtual machine):- OpenVMS v8.4 is supported as a guest operating system with HP Integrity Virtual Machine v4.2
- Clusters over IP :- IPCI (IP Cluster Interconnect) enables use of IP for OpenVMS cluster communication
- 2TB Volume Support: - Maximum volume size increased from 1TB to 2TB
- Extended membership on shadowing :- Increase in the number of member disks in a host-based volume-shadowing set from 3 to 6 disks
- Provisioning full install with no assumptions :- Complete install, Apply a license PAK, Configuration of TCP/IP and Cluster
- Integrity RAD support :- Improved performance on NUMA systems
- HP TCP/IP services for OpenVMS v5.7 :- Enhancements (Alpha and Integrity) Packet-processing engine, FTP over SSL, IPCI.

Field Test timeframe: The OpenVMS version 8.4 is planned to enter Field Test in Nov 2009.

Final Release timeframe: The OpenVMS 8.4 release is planned for shipment in the First half of Calendar Year 2010.

If you would like to participate in V8.4 field test, Please write to:- [OpenVMSFieldTestOps@hp.com](mailto:OpenVMSFieldTestOps@hp.com) or [OpenVMS.programs@hp.com](mailto:OpenVMS.programs@hp.com)

### 4.0 Partner page:-

4.1 We have this fantastic success story from Migration Specialties . The attached success story is about how the SimH VAX Emulator Virtualizes MAN Diesel VAX Applications. Please see the attached doc. We look forward to hearing more success stories like these about our OpenVMS customers.

4.2 Alpha Emulator Progress Report: September 9, 2009

**Physical CD Support** Physical CD support is now working with the Alpha emulator. OpenVMS CD's can be booted, mounted, and read just like on a real Alpha system. The emulator has been supporting CD ISO files for several months. More information on our emulator development effort is available at [www.migrationspecialties.com/VAXAlphaEmulator.html](http://www.migrationspecialties.com/VAXAlphaEmulator.html).

4.3 Piet Timmers of Timmers IT Consultancy, has written a new product on OpenVMS Integrity Check (OIC).

It is a tool for System Management to prove that the system is not changed after a reboot or upgrade. The tool has two parts:

1. Make a timestamp of the system which can be used later on.
2. Make a report by comparing the current settings to the previously saved ones.

At the moment V2.0 is available. For more information it is possible to get an example HTML report via <http://oic.timmers-it.nl> and click on the button "Voorbeeld".

4.4 SCI to Present at the 2009 Worldwide Oracle Rdb Technical Forums

Software Concepts International, LLC (SCI), a managed services and IT consulting company that specializes in OpenVMS, Oracle Rdb and DBMS, has been asked by Oracle to present at the 2009 Worldwide Oracle Rdb Technical Forums. Bryan Holland, founder and president of SCI, will be presenting on industry standard protocols for securing your Oracle Rdb databases. Drawing on his 20+ years of experience managing 100's of Oracle Rdb databases Bryan will offer best practice 'tricks and tips' to keeping the bad guys out and the auditors happy. We look forward to seeing you there!

2009 Oracle Rdb Technical Forum locations and dates:

September 14th - 15th

Oracle Corporation in Sydney, Australia

October 19th - 20th

Oracle Conference Center in Redwood Shores (San Francisco), CA

October 22nd - 23rd

Oracle Corporation New England Development Center in Nashua, NH

For more information about Software Concepts International visit our web site at [www.sciinc.com](http://www.sciinc.com)

4.5 eCube Systems Interview at HPTF video now available  
eCube Systems attended HPTF in Las Vegas and Kevin Barnes the President and Peter Marquez Sr. Partner were interviewed. A copy of that interview is now available for your viewing pleasure on [www.eCubesystems.com](http://www.eCubesystems.com)  
eCube Systems looking for cool and interesting applications on OpenVMS. eCube Systems will be doing a project interviewing OpenVMS ISV's and USERS with new and interesting applications on OpenVMS. If you would like to volunteer or nominate an application please send email to [Susan.Skonetski@comcast.net](mailto:Susan.Skonetski@comcast.net) if you would like additional information on eCube Systems, please visit [www.eCubesystems.com](http://www.eCubesystems.com) . Wonderful to hear from Sue!

4.6 Stromasys moves to a new place. Their rapid expansion and the planned growth of staff have inspired a need for larger office space. Please note the new mailing address, effective August 1, 2009, and retain for your records.

Stromasys Inc, 3801 Lake Boone Trail, Suite 410, Raleigh, NC 27607. The fax and phone numbers will remain the same,

#### 5.0 People Page

There are a few people reaching out to us with OpenVMS expertise. If any of you is looking for people with OpenVMS expertise, please let us know.

A very big thanks to everyone who has contributed to this VMS update and making this edition informative. Trust you found this edition of the VMS update useful and informative. If you need us to include anything in the next update, please send them to me and keep your suggestions coming to [OpenVMS.programs@hp.com](mailto:OpenVMS.programs@hp.com).

To unsubscribe write to [OpenVMS.Programs@hp.com](mailto:OpenVMS.Programs@hp.com) with subject line "unsubscribe".

Thanks and Warm regards,

Sujatha

Global Lead- Customer & Partner Technical programs-Open VMS

*Read the Gartner report on OpenVMS, "Best Practices: Migration Planning for Alpha Server Users"*

[http://h71000.www7.hp.com/gartner\\_report.html](http://h71000.www7.hp.com/gartner_report.html)