

TO :- VMS Enthusiasts

SUBJECT: -VMS update July-Aug 2010

Welcome back to all of you from the holiday season. This issue of OpenVMS brings in a lot of interesting content for you. I am sure you will enjoy it.

1. Time Sensitive:-

- a. The OpenVMS TUDs are announced for EMEA. The dates are 4th October to 18th October in Germany, France, Sweden, Austria and Netherlands. Block your calendar from 4th to 18th October 2010.

Germany	04—05 Oct 2010
France	07 – 08 Oct 2010
Netherlands	11 - 12 Oct 2010
Sweden	14 - 15 Oct 2010
Austria	18 - 19 Oct 2010

- b. The OpenVMS boot camp is approaching fast on 13th September. Register now and do not miss it.

2. OpenVMS Engineering update :-

- a. OpenVMS V8.4 is available on the new HP Integrity servers on August 10, 2010!

While most enterprise-class IT environments measure uptime in days, weeks, or months, customers using OpenVMS environments regularly characterize uptime in terms of years. HP continues to invest in OpenVMS on Integrity systems to serve these customers' needs, and announces the availability of OpenVMS V8.4 on the new Integrity servers on August 10, 2010.

Customers depend on OpenVMS and Integrity servers for the uncompromising reliability, availability, scalability, and security these platforms consistently deliver over the long run. In particular, customers who deploy OpenVMS V8.4 will benefit from:

- New consolidation opportunities with virtualization, compression, and standardization enhancements for improved performance and long-term value
- Improved application performance up to 2x per socket migrating from dual-core Integrity systems to new Integrity server blades
Improved resiliency with enhancements in security and up to 100% application availability in an appropriately configured cluster to keep applications "always on"
- Simplified management and operating environment (OE) choices with selection, installation, and management now significantly easier

OpenVMS 8.4 is available initially on the new Integrity server blades, followed by the new Integrity entry-level server. Please refer to the OpenVMS and server support matrix below for more information.

HP Integrity Server by Processor	Server	OpenVMS V8.3-1H1	OpenVMS V8.4
	Server blades		

HP Integrity servers with Intel® Itanium® processor 9300 series	860c i2 blade	No	August 10, 2010
	870c i2 blade	No	August 10, 2010
	890c i2 blade	No	August 10, 2010
	Entry-class		
	rx2800 i2	No	Q1 2011
HP Integrity servers with Intel® Itanium® processor 9100 series	Entry-class		
	rx2660	Yes	Yes
	rx3600	Yes	Yes
	rx6600	Yes	Yes
	Midrange		
	rx7640	Yes	Yes
	rx8640	Yes	Yes
	High-end		
	Superdome, max of 32 cores	Yes	Yes

For additional information on OpenVMS on the new Integrity servers, please see:

- [HP Integrity Systems Family Guide](#) brochure
- [HP Integrity Server Blades](#) website

- b. HP OpenVMS Integrity 9300 Server Blades Enablement Kit (VMS84I_UPDATE-V0200) is now available for customer download in ITRC . This kit enables support for the integrity server blades BL860c i2, BL870c i2 and BL890c i2
 HP recommends customers to download the Day-1 patch bundle (VMS84I_UPDATE-V0300) which is required for Integrity Server blades from <http://itrc.hp.com>

The WBEM and Provisioning kits supporting OpenVMS on Integrity Server blades have been released on the web.

WBEM Services V2.9-9, WBEM Providers V2.1-4 and Provisioning V4.1 Below are the links to the product homepages:

WBEM Services and WBEM Providers:
http://h71000.www7.hp.com/openvms/products/wbem/wbem_index.html

Provisioning:
<http://h71000.www7.hp.com/openvms/products/provisioning/index.html>

- c. HP Availability Manager Version 3.1 is here!

The HP Availability Manager is a system management tool that, from an OpenVMS Alpha or a Windows node, enables you to monitor one or more OpenVMS Alpha or Integrity server nodes. This tool helps system managers and analysts target a specific node or process for detailed analysis. The Availability Manager collects system and process data from OpenVMS nodes using the Availability Manager Data Collector. It displays the data from multiple nodes simultaneously using a graphical user interface (GUI) front-end, the Availability Manager Data Analyzer.

Availability Manager Version 3.1 has been enhanced to support the Cluster over IP functionality. This new release of Availability Manager provides functionality to manage and monitor LAN or IP path (channels) data, IP interface (IP bus) used for cluster communication, and virtual circuit formed using IP channels.

For more information visit <http://h71000.www7.hp.com/openvms/products/availman/index.html>

- d. HP is pleased to announce the availability of Provisioning Version 4.0.

With provisioning support, HP Systems Insight Manager (HP SIM) installs or upgrades the OpenVMS operating system quickly and easily on one or more servers in the network, much in the same way as HP-UX supports provisioning. You can install or upgrade OpenVMS on up to eight servers simultaneously. Provisioning support also facilitates installing or upgrading OpenVMS on HP Integrity servers that do not include a CD/DVD drive.

Provisioning OpenVMS Version 4.0 provides the following new features:

- Deploying OpenVMS Version 8.4 on Integrity servers

Provisioning has been enhanced to deploy OpenVMS Version 8.4 on selected Integrity servers from HP SIM. Provisioning allows you to install OpenVMS Version 8.4, or upgrade to OpenVMS Version 8.4 from a previous version of OpenVMS by using InfoServer or vMedia.

- Configuring OpenVMS TCP/IP on Integrity servers

Provisioning has been enhanced to configure HP TCP/IP Services for OpenVMS on selected Integrity servers from HP SIM. Provisioning allows you to configure the TCP/IP core environment, and client or server components on up to eight OpenVMS Integrity servers simultaneously.

Provisioning OpenVMS using HP SIM, Version 4.0 is now available at <http://h71000.www7.hp.com/openvms/products/provisioning/index.html>

- e. HP is pleased to announce the availability of WBEM Services 2.9 and WBEM Providers 2.0 for OpenVMS V8.4!

WBEM enables customers to manage systems consistently across multiple platforms and operating systems, providing integrated solutions that optimize infrastructure for greater operational efficiency.

In addition to rx3600, rx6600, BL860c and BL870c servers, WBEM Providers 2.0 adds support for cell-based systems (rx7620, rx8620, rx8640 and Superdome), other single-partition systems (rx1620, 2600, rx4640) and HP Integrity VM running OpenVMS V8.4.

The WBEM Services 2.9 and WBEM Providers 2.0 kits are part of the OpenVMS V8.4 OE media and get installed automatically as part of OpenVMS V8.4 installation.

- f. OpenView Performance Agent 4.0 evaluation kit for OpenVMS V8.4 is now available. OpenView Performance Agent (OVPA) for OpenVMS collects, summarizes, time stamps, and detects alarm conditions on resource data across your system; this includes both current and historical data. OVPA

provides performance, resource, and end-to-end transaction response time measurements and supports network and database measurement information.

To download the evaluation kit visit <http://h71000.www7.hp.com/openvms/products/ovpa/>

OpenView Performance Agent (OVPA) for OpenVMS V8.4 release version is available as part of HA-OE.

- g. Integrity Servers with OpenVMS V8.4 can be managed using Insight Software 6.0
Insight software is a complementary set of software products like Systems Insight Manager, Capacity Advisor, Virtualization Manager etc. that enable you to efficiently manage and monitor OpenVMS Integrity servers. Integrity Nodes with OpenVMS V8.4 could be managed using Insight Software 6.0.

For more information visit

http://h71000.www7.hp.com/openvms/products/insight_software/index.html

- h. HP Global Workload Manager (gWLM) Agent Version 4.1 on Integrity systems is now available. HP Global Workload Manager (gWLM) Agent for OpenVMS enables:
- Potentially greatly improved utilization of Integrity or CPUs across multiple work streams
 - Automatic CPU resource allocation to satisfy service level agreements of multiple business units, based on policies defined by Information Systems (IS) management
 - Intuitive management through a graphical user interface (GUI) that includes comprehensive reporting tools

For more information visit http://h71000.www7.hp.com/openvms/integrity/integrity_gwlm.html

- i. gSOAP on OpenVMS V0.8 Released :- <http://gsoaponopenvms.blogspot.com/2010/07/gsoap-on-openvms-v08-released.html>

The major additions in this release follow:

Plug-ins

gSOAP provides a powerful mechanism for extending its capabilities through the use of plug-ins, and a variety of pre-existing plug-in modules are available. These plug-ins are now included with the OpenVMS kit and may be found in the `gsoap$root:[plugin]` directory. There are plug-ins to support HTTP GET requests, WS-Security, and many more. It should be noted that not all of the supplied plug-ins have been tested on OpenVMS, and the authors would appreciate feedback on any issues that are encountered.

DOM support

The gSOAP DOM implementation is now provided and may be utilised by linking applications with the object library `gsoap$root:[lib]gsoapdom.olb`. Please note that this library also includes SSL support, and it is therefore necessary to link applications with the OpenVMS SSL libraries (see Section 4.4). This requirement will be removed in future releases.

WS-Security (WSSE) example

An example program that illustrates the use of the WSSE plug-in is now included with the distribution. This fairly complicated example also uses the gSOAP DOM implementation and SSL. It should be noted that it will be necessary to obtain new certificates in order to use the SSL functions.

3. Partner Page :-

- a. Please find attached a Press Release announcing a new product from VSM Software Services Pty. Ltd. Click on <http://www.vsm.com.au/>
There's a document on our web site summarizing VAR requirements and benefits. You will find it at this link:
<http://www.migrationspecialties.com/pdf/VirtualAlphaVARSummary.pdf>
Performance improvements continue on Avanti. Look to see a nice boost in network performance with the next release. FreeAXP users will benefit from this enhancement as well.
We have almost reached 2,000 FreeAXP downloads. Thank you to everyone that has tried the product. Your feedback is appreciated.
- b. Please find attached a new case study (hot off the press) about Allport, who have used CONNX for many years to retain and exploit the significant investment in their existing OpenVMS business systems, using modern high productivity development environments. I trust this will be of interest to the OpenVMS community. <http://www.connx-net.com>
- c. Press release from Quintara Version 1.8 Announced 27 July 2010 Contact press@brilliant.com or call (888) 456-0400

West Bloomfield, MI -- Brilliant Systems announces a new version of its Quintara(R) web-based e-mail server software for HP OpenVMS. Quintara version 1.8 adds many new exciting features to the existing Quintara product. Quintara version 1.8 is available for HP Integrity and Alphaserver platforms.

"Building on almost 12 years of proven performance, our latest update to our flagship Quintara software adds many new features, and offers security and performance enhancements," says Lennard Gumaer, Brilliant Systems' chief technology officer. "Quintara has a long history as a customer-driven product and we continue to develop new features and add personal productivity tools to ease customer migration to Quintara from traditional desktop-bound e-mail environments. Quintara version 1.8 is also transitional release that lays important groundwork for future enhancements, protecting your investment."

Quintara version 1.8 features include security and internal performance updates, a wider user interface with improved folder navigation, and near real-time new mail and calendar event alerts. Additional features include a powerful Envelope Assistant for constructing message envelopes from the personal address book.

Quintara remains easy to use and easy to learn. Quintara offers a crisp and simple user interface that does not require extensive scripts or applets to run. Quintara works with most major web browsers like Firefox at virtually all connection speeds, including dialup.

Quintara is available for any size enterprise. Pricing is based on concurrent user counts, and is very affordable. Educational and volume discounts are available. For more information about Quintara and its features, please visit Brilliant Systems online at <http://www.brilliant.com/quintara>
About Brilliant Systems, LLC

Founded in 1993, Brilliant Systems is a privately held Michigan company committed to developing and manufacturing technology products based on proven engineering principles. Other Brilliant offerings include disaster planning and recovery services, consulting services, and custom microprocessor-based electronic products. For more information please call (888) 456-0400. Quintara is a registered trademark of Brilliant Systems, LLC.

OpenVMS, Alphaserver, and Integrity are trademarks of the Hewlett-Packard Development Company, L.P.

- d. Please see the progress report on Virtual Alpha Developments from Migration Specialties International, Inc.
- e. General Availability Announcement for Console Management for OpenVMS 3.1

On behalf of CA, we appreciate your business and the opportunity to provide high-quality, innovative software and services. As part of our ongoing commitment to customer success, we regularly release updated versions of our products. Today, we are pleased to announce that CA Console Management for OpenVMS 3.1 is now available.

New features for CA Console Management for OpenVMS 3.1 include:

- **SECURE CONSOLE COMMUNICATION**
The enhanced security gives you the use of secured authentication and data encryption for any TELNET communication between the Console Manager Controllers and secured Systems Consoles.
- **HALT KEY ABSTRACTION**
Abstraction of the halt key gives users the ability to map the halt sequence to a halt key.
- **IPV6 SUPPORT**
CA Console Management for OpenVMS supports mixed IPv6 and IPv4 and pure IPv4 environments, allowing users to migrate at their own pace.
- **UPDATED SCAN PROFILES AND SYSTEM ICONS**
Updated scan profiles and system icons in this release include the new scan profile for both cell-based and Blade Integrity servers.

To obtain your copy of CA Console Management for OpenVMS 3.1 please contact CA Customer Care at +1-800-225-5224 in North America or see <http://www.ca.com/phone> for the local number in your country.

Should you need any assistance in understanding these new features, or implementing this latest release, our CA Services experts can help. For more information on CA Services and how you can leverage our expertise, please visit www.ca.com/services.

To review our Technical Support Lifecycle Policy, please visit:

https://support.ca.com/phpdocs/0/common/tslifecycle_policy.pdf.

- f. Additional COBOL to .NET/C# integration tools announced by eCube :- NXTERa Bridge, part of NXTERa 6.0, enables COBOL services running on VMS and OpenVMS look like .NET services to C# and VB.NET clients. Additionally, it makes .NET-based services available to COBOL clients on VMS. This announcement focuses on COBOL, but C/C++ and FORTRAN on VMS are also supported. The release with details can be found here: <http://www.ecubesystems.com/news2010-june24-COBOL-NET-Interoperability-NXTERa-Bridge.html>
- g. Adacore has recently released GNAT Pro 6.3.2 :-
AdaCore has recently released the GNAT Pro 6.3.2 Ada Development Environment on OpenVMS for Alpha and Integrity (Itanium) servers. Integrated into the OpenVMS environment, GNAT Pro is very highly compatible with HP Ada and supports all three versions of the Ada language standard -- Ada

83, Ada 95, and Ada 2005. GNAT Pro on OpenVMS for Integrity Servers offers a natural and direct path for migrating Ada codebases from VAX and Alpha, and for developing new systems using the latest Ada technology. For more information please contact sales@adacore.com

h. Attunity :- Here is a link to our latest product announcement regarding CDC and replication solutions for RMS data on OpenVMS: http://www.attunity.com/press_releases.aspx?newsId=1406

i. OpenVMS - Password Policy

PARSEC Group has developed an easy-to-implement, site-specific, password policy for OpenVMS V6.2 and later systems. This allows more control and enforcement of password policies than what is built-in to OpenVMS. Read [Password Policies](#) for more general information about setting up a policy. **PARSEC Group has had a high rate of success in variable industries, such as Manufacturing, Financial, Healthcare and Education to name a few. This Password Policy has enabled our clients to pass rigorous audits with flying colors!**

Password Policy : The character set used for passwords may be divided into four groups of characters. These are:

- Upper-case characters (A-Z)
- Lower-case characters (a-z) - available in OpenVMS V8.2 and later
- Numeric characters (0-9)
- Other characters

A good password policy requires the use of multiple characters from each group which makes it tougher for a hacker to guess the password. Using all groups guarantees that it is not in a dictionary and provides many more combinations of characters for a more secure password. The policy should also disallow the use of the username and several other common practices as part of the password. Once a policy has been set up, the operating system should enforce the policy as much as possible since some users may not be trusted to follow the policy, and others might forget some details.

Password Policy Features :-The OpenVMS Password Policy from PARSEC Group is a flexible module that may be configured using logical names. Basic password policy features include:

- Minimum number of groups of characters required - Users may be required to use characters from multiple groups of characters. On versions of VMS which do not support lower case characters, and for accounts which have not had this feature enabled, lower case characters will not be required.
- Minimum number of characters from each group - Users may be required to use a minimum number of characters from each of the four groups.
- Limit number of repeated characters - Passwords such as "testing777" may be prevented due to the same character being repeated too many times.
- Limit number of sequenced characters - Passwords such as "testing123" may be prevented due to too many characters in a sequence.
- Prevent use of username - The username may be prevented from being a portion of the password.
- Prevent use of owner - The user may be prevented from using any component of the owner field longer than one characters as part of the password.
- Minimum password length - A system wide minimum password length may be set to prevent an account from being intentionally or unintentionally set with too few characters.

Other features include:

- Maximum length checked - The policy may be set to be enforced within the first portion of the password.
- Notification - The user may be notified which portions of the policy that is not met by their chosen password. This makes it easier for them to choose a secure password.
- Hash value check - The hashed value of the password may also be checked. While the user does not directly control this, a weak hashed value can make passwords easier to compromise.

PARSEC Group OpenVMS Password Policy :-Requirements: One of the following versions of VMS is required.

- OpenVMS I64 V8.2 or later
- OpenVMS Alpha V6.2 or later
- OpenVMS VAX V6.2 or later

You may download a copy of the password policy. Before installing, be sure to request a license from PARSEC Group. For more information, to request a demo license, or to purchase the OpenVMS Password Policy, please contact us at 888-4-PARSEC, send e-mail to experts@parsec.com or use our [inquiry](#) form.

4. Customers :-

a. We are very happy to launch the success stories of customers who deployed VMS and reaped huge benefits. Please click on the link below to know more.

- i. Here is link for the ICAP -HP -Comport success story that was recently published:
<http://h20195.www2.hp.com/V2/GetPDF.aspx/4AA2-0459ENW.pdf>

It demonstrates the successful integration of technology and HP and Comport services across the HP Portfolio (OpenVMS Integrity and x86 Linux Blades in industry leading C7000 Chassis, Networking, EVA SAN Storage, Monitoring, and HP Support) to deliver a reliable, scalable, high performance platform for FX Trading Infrastructure globally.

b. We have a lineup of webinars on OpenVMS 8.4 features for our worldwide customers and partners. Please stay tuned to join us as per the schedule below.

OpenVMS v8.4:- System Management Updates - (ID-VSE) Support, Provisioning, WBEM providers changes	18th Aug
OpenVMS v8.4:- File System Enhancements in OpenVMS V8.4 :- a.2 TB support, b. Symlinks enhancements, c. Dynamic Enable/Disable XFC for mounted volumes	25th Aug
OpenVMS v8.4:- a. Integrated remote console management through vKVM and b. Power Management	1st Sept

5. Community news!

Don't miss the hp OpenVMS blog on [OpenVMS](#)

6. OpenVMS Jobs :-

Glenn Grundstrom, Director of Development is looking for someone who can perform system administration, performance tuning, staff training, some customer engagement, support, and quality assurance testing. Knowledge especially in the tape backup area and ABS software is essential. Development/programming on the VMS platform is not necessary, but I won't eliminate a candidate with that experience. To answer your questions directly, the position will be located in Dallas, Texas and the candidate must have a legal work status. For the first 2-3 months, some work can be done remotely (sys admin, QA testing) – the remaining, will need more time in the Dallas office.

Contact :- Tributary Systems, Inc. | 3717 Commerce Place, Suite C | Bedford, TX 76021,(Phone: 817.786.3062 | (Mobile: 817.929.7087 | 7Fax: 817.786.3090 *Email: ggrundstrom@tributary.com

A big thank you to all who contributed to this edition of the OpenVMS update.

To unsubscribe write into :- OpenVMS.programs@hp.com

Thanks and Warm Regards,

Sujatha Ramani

Global Lead- Customer & Partner Technical programs-Open VMS

