

Dear VMS champions,

TO :- VMS Champions

SUBJECT: -VMS update April-May-June 2010

Welcome to this edition of OpenVMS update. In this edition, we have gathered a lot of interesting information to share with all of you. Please read on.

1. Time Sensitive:-

- a. Watch out and register for this webinar: <http://www.attunity.com/webinars> on "Offloading RMS data for Reporting and Business Intelligence using CDC and Data Replication". The direct link to registration is <https://www1.gotomeeting.com/register/242736080> . The presenters are John Apps, OpenVMS Ambassador, HP and Richard Thomas, Director of Technical Services, Attunity
- b. OpenVMS boot camp : Watch out for more details at <http://www.connect-community.org/?page=OVMSBootcampHome>

2. OpenVMS Engineering Update :-

- a. OpenVMS v8.4 launched on June 21st, 2010 at HPTF!

OpenVMS v8.4 launched at June 21st at HPTF! We've had very positive feedback from the 250+ customers who field tested this release, so we know you're looking forward to this version of OpenVMS.

What's new in OpenVMS v8.4? The latest release provides up to 100% application availability for mission-critical environments* and features HP Integrity VM v4.2 guest support, clustering over TCP/IP, and enhanced resiliency with six-member shadowsets.

OpenVMS v8.4 operates on the Integrity servers supported by OpenVMS v8.3-1H1, and the Alpha servers supported by OpenVMS v8.3. In August 2010, OpenVMS v8.4 will be available on the new Integrity blade systems with the Intel® Itanium® 9300 processor; support of other new Integrity systems will follow shortly.

Customers who deploy OpenVMS v8.4 will benefit from:

- i. OpenVMS in a virtualized environment with OpenVMS as a guest operating system on HP Integrity VM v4.2
- ii. Cost-effective clustering over industry-standard TCP/IP to bring new efficiencies to

the data center

- iii. Improved data availability and resiliency with shadowing of 6-member shadow sets
- iv. Enhanced performance and security
- v. New, streamlined operating environments
- vi. Easier, smarter manageability

The high availability, scalability, and security of OpenVMS keep numerous business-critical enterprises up and running. We're sure you will find value in these new features and enhancements in OpenVMS v8.4, which underscore HP's commitment to the OpenVMS and to deploying solutions to accelerate your business growth.

*Appropriate cluster configuration required

- b. Please check these blogs on OpenVMS. we are excited about the interest of audience for these blogs. <http://h30507.www3.hp.com/t5/Mission-Critical-Computing-Blog/bg-p/199>.

Check the latest blog which covers OpenVMS V8.4 launch

<http://h30507.www3.hp.com/t5/Mission-Critical-Computing-Blog/bg-p/199>

- c. The OpenVMS team is happy to announce the availability of HP Operations OpenVMS Agents v8.6 for OMW 8.x & OMU 8.x

HP Operations Manager Agent for OpenVMS allows integrating OpenVMS systems into the HP Operations Manager environment, in order to establish a comprehensive end-to-end management solution. They are installed on managed OpenVMS systems and provide remote intelligence for collecting, aggregating, and monitoring information from a variety of information sources. HP Operations Manager HTTPS Agent software provides highly secure communication between Operations Manager Server and their managed nodes.

This release of HP Operations Manager Agents v8.6 on OpenVMS (OpenVMS-OA-8.6.030.tar) supersedes the previous release (OpenVMS-OA-8.6.020.tar) and is supported on OpenVMS Alpha Version 7.3-2, 8.2 & 8.3 and OpenVMS Integrity servers Version 8.2-1, 8.3 & 8.3-1H1

Key features of this release of HP Operations Manager Agents v8.6 on OpenVMS

- Supports OMU 8.x and OMW 8.x
- Simplified manual installation
- Automatic deployment of certificates

Requesting certificates from managed node using OVCERT utility

- Single release for Alpha & Integrity Servers with platform selection during

installation/remove.

- Automatic platform registration.

The kit is available at

http://h71000.www7.hp.com/openvms/products/openvms_ovo_agent/index_https.html

- d. HP proudly announces the release of GNV V2.1-3 on Sourceforge. This is the first release of GNV on SourcForge since V1.6-2. The intent of this release is to make available the complete GNV V2.1-3 sources to the community. Going forward we intend to invite contributions from the world wide OpenVMS community to enrich GNV with their knowledge and experience. We invite you all to take GNV to the next level.

This release is specifically targeted for the Sourceforge release of GNV V2.1-3 , for both Alpha and Integrity.

New to this release: The main change in Version 2.1 is support of the symlink capability that has been added to RMS in OpenVMS.

- Installation: Improved stability in setting up the default mount points for existing disk devices.
- In -s : Now makes an actual symbolic link in the RMS file creates.
- This is enabled by new features in RMS on OpenVMS Version 8.3.
- mnt : Has improved record-keeping for reporting the mount points.
- bash : Command recall now generally works (for terminal width of 80).
- cc : Improvements in the cc wrapper.
- Installation: Changed default to omitting automatic creation of mount points for all disks.
- Installation : Configuration files created at installation time include the architecture name in the file name to avoid conflicts in heterogeneous clusters.

Bug Fixes since V1.6-2:

- o Product removal fixes:
 - This release fixes the GNV product removal issues on a standalone system. Issues with deassigning the GNV_OPTION_SOURCES logical while removing GNV is fixed to address this issue.
 - This release fixes the GNV product removal issue in a cluster. Issue while removing GNV from another node in a cluster other than installation node is fixed. The GNV\$MNTROOT.COM procedure is added, which will be run before product

removal to create a GNV mount point on a node other than the installation node.

- o cc -l command : To make GNV compatible with the UNIX environment, the search mechanism for library is modified when using the cc -l option.
 - ZIP : Zip issue with .DIR extension is fixed.
 - Disk Free (DF) Utility --- The DF utility crashed on Alpha systems with an ACCVIO error, and on Integrity server systems, the DF utility failed to display the result. This release fixes these problems.
 - g++ compiler--- The G++ compiler was not working, bash is fixed to resolve this problem.
 - bash --- While running the configure script, the conftest creates an empty file. The configure scripts receives an error from the C compiler that makes the script to consider that there is no functioning C compiler on the system.
 - Installation creates undesired mount points.
 - The installed start-up script PSX\$UP_STARTUP.COM still includes the DoMountPoints subroutine, but the call to it is commented out. Customers who wish to enable this feature may remove the comment mark.
 - Installation on Alpha and Integrity systems in a heterogeneous cluster

The generated file SYS\$STARTUP:GNV_DESTINATION.COM has been replaced by the file SYS\$STARTUP:GNV_DESTINATION_archname.COM to avoid conflict. Please download the new GNV kit from the SourceForge website:
<https://sourceforge.net/projects/gnv/>

Kits are also available at the HP OpenVMS website.
<http://openvms.compaq.com/opensource/gnv.html>

GNV Web on sourceforge: <http://gnv.sourceforge.net/index.html>

For any GNV help and discussion: Please Subscribe to the mailing list

<https://lists.sourceforge.net/lists/listinfo/gnv-help>

To contribute to GNV: Please Subscribe to the mailing list:

<https://lists.sourceforge.net/lists/listinfo/gnv-develop>

- e. gSOAP on OpenVMS V.07 released.

A cross-platform open source C and C++ software development toolkit. Generates C/C++ RPC code, XML data bindings, and efficient schema-specific parsers for SOAP Web services and other applications that benefit from an XML interface.

See <http://gsoaponopenvms.blogspot.com/2010/05/gsoap-on-openvms-v07->

[released.html](#) for detailed information

Lua on OpenVMS V.01 released.

Lua (<http://www.lua.org>) is a powerful, fast, lightweight, embeddable scripting language that combines simple procedural syntax with powerful data description constructs based on associative arrays and extensible semantics. See <http://luaonopenvms.blogspot.com/> for further information

ZeroMQ V2.0.6 released on OpenVMS.

ØMQ is a lightweight messaging implementation with speeds over 8 million messages per second with a latency of around 12us. See <https://sites.google.com/a/johndapps.com/www/Ømqonopenvms> for further information

Additional information on open source software which has been ported to OpenVMS may be found at <http://www.johndapps.com/>. Erlang, RabbitMQ and the Twitter API are but three examples

- f. HP OpenVMS CRTL team is happy to announce the release of Version 1.0 of UNIX/Linux to OpenVMS Porting Guideline document . This document is envisioned to be the single convergence point of the distributed knowledge on the various good practices and work arounds when porting applications from Unix/Linux to OpenVMS platform, and to be a source of information for the developers who intend to port applications to OpenVMS. This current V1.0 of the document is the first step towards this and has contributions from various VMS teams who have worked in this area. Going forward we invite contributions from the world wide OpenVMS community to enrich this document with their knowledge and experience. To contribute to this document please organize your content suitably and send it to us at the email id: UNIXtoVMSporting@hp.com

The contents of this document are organized to describe the process of porting applications from UNIX or Linux systems to OpenVMS systems. This guide includes following key information related to:

- o Identifying pre-requisites and dependencies of the application to be ported.
- o Setting up porting environment on the destination platform
- o Various best practices implemented while resolving most common issues faced during porting. It covers the areas like data structures and data types, trouble shooting GNV issues, file operations, fork related issues, POSIX mount points, users and groups etc.
- o Sample code snippets and workarounds which will help resolve the most common issues faced during porting

This guide is available for download at <http://h71000.www7.hp.com/portability/index.html>

For queries/feedback related to porting from UNIX/Linux to OpenVMS, please drop us a mail at UNIXtoVMSporting@hp.com

g. ABS V4.5 (1201) for OpenVMS is Released :

The ABS/MDMS Engineering team is happy to announce the availability of ABS V4.5 (1201) Remedial kits. This version release incorporates the problems fixed since the release of ABS V4.5, in addition to

- ABS encryption feature is now compatible with HP SSL Version 1.4
- Supports HP StorageWork D2D4000 Backup System (D2D4004fc)
- Included ABS quick reference guide
- Supports OpenVMS V8.4 for Integrity server & Alpha (upcoming)
- Qualified on OpenVMS V8.2-1, V8.3, V8.3-1H1 for Integrity servers
- Qualified on OpenVMS V7.3-2, V8.2 and V8.3 for Alpha

h. The HP OpenVMS CIFS team is pleased to announce the availability of HP OpenVMS Common Internet File System (CIFS) Version 1.2 based on Samba V3.0.28A, in support of both Alpha and Integrity server systems. HP OpenVMS CIFS V1.2 contains additional features, bug fixes, and improvements compared to HP OpenVMS CIFS V1.1 ECO1.

The features that are newly introduced in HP OpenVMS CIFS V1.2 include:

- Improved installation and automated CIFS Server configuration and management
- CIFS Server as member in Windows ADS Realm
- File security improvements:
 - Simplify the use of mask and mode SMB.CONF parameters
 - Support for DELETE protection bit with mask and mode SMB.CONF parameters
 - Ability to set DELETE protection bit from Windows for OWNER/GROUP/WORLD RMS protection mask
 - Retain VMS ACE order while setting security
 - Map default_protection ace to creator owner/group on windows
- Performance enhancements
 - Storing file size in an ACE for non stream format files
 - Utility to automatically update file length hint values for Sequential VAR and VFC format files
 - Creation of TDB files using the optimized FDL file

- Open File Caching
- ODS2 volume support:
 - Directory enumeration performance improvement
 - Handle Extended ASCII characters in filenames
 - Allow 79 character length filenames
- Support for fixed and undefined format file creation
- Support for Share security migration from ASV to CIFS
- New CIFS utilities and improvements to existing utilities
- Support for different idmap backends

The kits and documentation are available from the HP OpenVMS CIFS web site at:

http://h71000.www7.hp.com/network/CIFS_for_Samba.html.

Use of the HP Common Internet File System requires OpenVMS Version 8.2 or later for AlphaServer systems, and OpenVMS V8.2-1 or later for Integrity server systems.

As always, we appreciate your support so that we may provide you with the latest technologies.

3. Partner Page :-

- a. A draft pricing guide for Migration Specialties virtual Alpha solutions is available at this link: <http://www.migrationspecialties.com/pdf/VirtualAlphaPricingGuide.pdf>
Avanti Beta is now available for purchase. While Avanti product quality is good, we have not yet achieved our performance goal for the product. The goal is an average of 55 VUPs performance on our performance test bed. We currently have an internal release averaging 40 VUPs on this platform. Avanti will continue to be listed as a beta product until we hit our performance target. The release of Avanti 2.0 will indicate that our performance goal has been achieved.

Avanti sells with a 90 day product warranty. Avanti Beta purchasers will receive a free warranty extension. Avanti Beta purchaser warranties will extend for 90 days past the release date of Avanti 2.0.

FreeAXP downloads have exceeded 1,500. Thank you for your continued interest! A special note to thanks to the FreeAXP forum participants, who help us provide a better product and a better user experience.

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- b. Stromasys announces "SYBIL" SPARCstation for Windows/Solaris and "ZELUS" virtual HP 3000 for MPE/iX, expanding its cross-platform virtualization offering. Please see the press release attached.
- c. Full NIST 800-53a Assessments for VMS. LJK/Security V3.0 has now added the ability to perform security assessments against the NIST SP 800-53 standard using the precise discipline specified in NIST SP 800-53a.

For the NIST-specified assessment methods that cannot be handled automatically, the security assessor can use LJK/Security to assign particular groups of questions to domain specialists who perform interviews, testing or manual examination for particular domains (such as, personnel practices, physical security, disaster planning, etc.). The responses from those specialists are returned from various VMS nodes and rolled up into a single comprehensive report.

Other new features in LJK/Security V3.0 include automatic generation of Plan of Action and Milestone (POA&M) reports for remediating problems found by both automated and non-automated assessment methods.

Shipment of V3.0 to existing LJK/Security customers was completed on April 30, 2010. For further information see www.ljk.com.

- d. We are happy to announce that the dates and locations for this year's North American Oracle Rdb and Oracle Database on OpenVMS Technical Forums have been set.

They are:

September 16-17, Nashua, NH, USA

September 27-28, Redwood Shores, CA, USA

Registration for both events will be open within a few weeks. We are sending this announcement now so that you can save these dates and begin your travel planning.

The Nashua Forum will be held at the [Connect OpenVMS Boot camp](#) at the Radisson hotel in Nashua and it will be part of the Database Track within that event. All boot camp attendees are welcome to attend any/all sessions at our Forum. Customers wishing to attend the Nashua Forum only can do so free of charge, however, you can only attend the other boot camp sessions if you register and pay for the boot camp. We are asking both boot camp attendees who will attend the Forum and Forum-only attendees to please register for the Forum once registration is open.

The Forum in Redwood Shores will be held at the Oracle Conference Center on the Monday and Tuesday following the week of [Oracle OpenWorld](#) in San Francisco. This will allow those attending Open World to spend the full week at that event before attending our Forum event at Oracle Headquarters.

A sampling of topics to be covered at the Forums includes:

Oracle Rdb and Oracle Database on OpenVMS Product Status and Direction

HP OpenVMS Update

HP Itanium System Update

Training

What's new in 11g for OpenVMS

Oracle Rdb JDBC Update

Oracle Rdb Developer Tools for Visual Studio (ORDT) Update

Best Practices for OpenVMS Systems and Oracle Rdb Management for the 21st Century

Oracle Audit Vault Update

The full agenda for the Forums will be posted online on the registration page once registration opens.

As we did in the US last fall, attendance will be opened to those who cannot join us in person. Remote attendees will be sent the information needed to join us in a live online Forum web conference for the Forums for which they registered prior to the start of the event. To receive this information, remote attendees must send an email to InfoRdb_US@oracle.com after they have registered indicating that they will be attending remotely.

These Forums are offered at no charge and present a series of sessions conducted by acknowledged technical specialists from our development staff and the Oracle Rdb and Oracle Database on OpenVMS community at large. They should be considered a requirement for anyone wishing to remain up-to-date with all the latest enhancements and optimizations in either of these two product families.

We are very excited to be bringing the 2010 North American Technical Forums to you. I hope you will be able to join us this September in either Nashua or Redwood Shores.

4. Customers :-

a. New HP and updated Dell diagrams:

- HP DL508-G7 is brand new and loading now
- Dell diagrams are updated since 13-Jun-2010

New Dell and HP diagrams are in the GE-basket:

- Dell PowerEdge R715 Magny-Cours 2P 2U Rack
- HP ProLiant ML150-G6 Nehalem-EP 2P 5U Tower
- HP ProLiant ML370-G6 Nehalem-EP 2P 4U Tower

- HP ProLiant ML350-G6 Tower Server

Check out <http://www.goldeneggs.fi/>

Big thanks to all of you who contributed to this edition of the OpenVMS update. Keep the information coming and keep smiling! To unsubscribe write into:- OpenVMS.programs@hp.com

Thanks and Warm Regards,

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Global Lead- Customer & Partner Technical programs-Open VMS

