

TO :- VMS Champions

SUBJECT:- VMS update #4 : June 2011

This is our fourth issue of OpenVMS update brought to you by OpenVMS customer programs office. Our endeavor is to give information that will be useful and gainful for you.

I trust that you all like this new format which helps you get a quick glance of all the contents in this issue. Click on the pointers below and read on.

1. OpenVMS Engineering update :-
 - a. TUDS
 - b. Kerberos ACME Agent
 - c. Open Source Mailbox for OpenVMS
 - d. Unix Portability Updates

2. Partner Page :-
 - a. Oracle
 - b. Stromasys
 - c. Process software
 - d. Avanti
 - e. Mimer SQL version available
 - f. Golden Eggs

3. Community news! :-

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

A big thank you to all who contributed to this edition of the OpenVMS update. Keep contributing for the OpenVMS business.

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

Thanks and Warm Regards,
Sujatha Ramani
Global Lead- Customer & Partner Technical programs

1. **OpenVMS Engineering update :-**

- a. **TUDs** in Asia Pacific region were completed in 3 locations. Singapore, Sydney and Melbourne in Australia. We were privileged to meet over 105 customers in these places who are using

OpenVMS. The sessions were interactive and highly useful for engineering team and the customers. We have taken a lot of information on future road map for OpenVMS from these TUDs. Many of our customers have requested for migration assistance during these TUDs and that's very encouraging. Our thanks to our partners www.sciinc.com and www.nemonixengineering.com

- b. **Kerberos ACME agent :-** We are releasing a new version of Kerberos and this release will have a production ready version of Kerberos ACME agent. Next version of Kerberos is now available for download. <http://h71000.www7.hp.com/openvms/products/kerberos/>

This new release is based on MIT Kerberos V5 Release 1.4.1, which includes the Production version of Kerberos ACME agent and the latest security updates from MIT Kerberos.

- The Kerberos ACME agent is an addition to the existing Kerberos authentication provided by the Kerberos utilities. The Kerberos ACME provides functionality similar to the pam_krb5 utility on UNIX systems using Kerberos.
 - Security patches/ Vulnerability fixes are
 - CVE-2008-0062
 - CVE-2008-0947
 - CVE-2008-0948
 - CVE-2009-0846
 - CVE-2009-4212
 - CVE-2010-1323
- c. **Open Source Mailbox for OpenVMS :** We are happy to announce to all our customers that we now have a open source mail box. Customers can now send any Open Source Services related queries to the mailbox. The idea is to help customers and Partners with solutions involving Open Source with OpenVMS. (OpenSource.OpenVMS@hp.com)
- d. **Unix Portability Updates**
Following features are available with OpenVMS now. We now have Unix Domain sockets and shared memory.
- Unix domain sockets will be supported with TCPIP v5.7 ECO2.
 - Shared Memory System V APIs can be made available on request. Please send across a mail to OpenVMS.Programs@hp.com if you need it.

2. Partner Page :-

- a. **Oracle :-** Oracle announces the OpenVMS technical forums. Read on.

In Oracle's June 17 mailing announcing the 2011 Oracle Rdb and Oracle Database on OpenVMS Technical Forums, the dates for the Utrecht and Munich Forums were listed incorrectly. The correct dates, included below, for the Munich Forum are September 8-9 and the correct dates for the Utrecht Forum are September 15-16. We apologize for this error.

September 8-9, Munich, Germany
September 12-13, Stockholm, Sweden
September 15-16, Utrecht, Netherlands
September 22-23, Nashua, NH, USA
October 20-21, Redwood Shores, CA, USA

December 5-6, Sydney, Australia

Registration for these 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 Forums will be held at Oracle offices in all locations.

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
- Running Oracle Rdb and Oracle Database OpenVMS on x86
- Oracle Database for OpenVMS Release 10.2.0.5 Update
- Transparent Data Encryption with Oracle Rdb 7.3
- 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

The full agenda for the Forums will be posted online on the registration page once registration opens. [View this message in a browser](#)

- b. **Stromasys** is happy to announce the production release of CHARON-AXP/4100/DS/ES/GS for Linux family of products. This release is a milestone for Stromasys, demonstrating our ability to support our products across most popular x86 software platforms

The release includes major functionality updates:

- Red Hat Enterprise 6 64 bit platform support
- Fedora 14 64 bit platform support
- VMware ESXi 4.1 Update 1 platform support, allowing execution of CHARON-AXP for Linux in a Red Hat or Fedora VMware appliance
- New emulated AlphaServer models included: AlphaServer 800, AlphaServer 1000, AlphaServer 1000A, AlphaServer 1200, and AlphaServer GS320, providing coverage for the full range of AlphaServer models that have ever existed in hardware.

Please follow the link to get access to [CHARON-AXP/4100/DS10/DS20/ES40/GS80/GS160/GS320 for Linux version 1.1 Build 129-01 Production](#)

- Installation kit
- Release Notes
- Software Product Descriptions
- User manual and documentation
- Performance measurements

Important notes:

- CHARON HASP license keys support both licensing for Windows and Linux. The CHARON licenses for both platforms could be programmed independently through remote updates
- HASP_VIEW utility has been updated to display both CHARON licenses for Windows and Linux [hasp_hl_view.zip](#)

- CHARON-AXP for Linux would require the license update. In order to request a license update, please download the HASPRUS_for_Linux_licensing utility from Stromasys web site ([hasprus.zip](#)), collect the C2V file from the license dongle, and send to orders@stromasys.com.
- Please refer to the Release Notes (attached) for the important information and refer to the User Manual for description of functional improvements.
- Please refer to Performance Measurements for comparison for hardware and previous versions performance.
- Please refer to the SPDs and the User Manual or the product functionality details.

Functionality differences with CHARON-AXP for Windows family of products:

- Pass Through technology is not supported on Linux, thus direct access to FDDI network and SAN is not supported
- Direct access to generic SCSI devices is not supported
- Please refer to the SPD for the details regarding minor differences Order information for CHARON-AXP for Linux products
- Order numbers are stated in the SPDs. They are similar to the order numbers for corresponding Windows products, but they have -LI ending instead of -WI.
- Prices for the products and support are equal to the prices for corresponding Windows products.

CHARON-AXP for Linux are independent products. They cannot be swapped or exchanged with CHARON-AXP products for Windows.

Order information for CHARON-AXP for Linux products

- Order numbers are stated in the SPDs. They are similar to the order numbers for corresponding Windows products, but they have -LI ending instead of -WI.
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- CHARON-AXP for Linux are independent products. They cannot be swapped or exchanged with CHARON-AXP products for Windows.

c. **Process Software** has begun beta testing of MultiNet 5.4.

Seeking MultiNet 5.4 Beta Testers

Please complete the form below if you are interested in participating in the beta program:

<http://www.process.com/tcpip/mnbeta.asp>

The release will include numerous new features including:

* NFSv3 server. Among the features supported by NFSv3 are support for files larger than 2GB; support for asynchronous writes on the server (improving write performance); and numerous other performance enhancements.

- * Support for the new Cluster over IP functionality introduced in OpenVMS 8.4. Cluster over IP allows OpenVMS clusters to be created over standard Internet Protocol connections.
- * Compliance with the USGv6 "mandatory" requirements.
- * The Intrusion Protection System (IPS) has received upgrades to make it more tunable and responsive to high-volume attacks, as well as the ability to handle common-link interface sets.
- * The INET and BG drivers have been modified to use buffered I/O, which delivers higher throughput on multiprocessor systems. (Note that users running on OpenVMS 8.x may need to increase their non-paged pool SYSGEN variables.)
- * Support for FASTPATH to increase throughput when exchanging packets with the Ethernet controller(s) on OpenVMS 8.x systems.
- * Bind 9 has been upgraded to version 9.7.2-3. Among its features are:
 - zones may be dynamically added and removed
 - a new "filter-aaaa-on-v4" access control list to select which IPv4 clients have AAAA record filtering applied
 - a new command was added to dump a combined summary of the currently managed keys combined with statically configured trust anchors
 - support to load new keys into managed zones without signing immediately with "rndc loadkeys"
 - support to link keys with "dnssec-keygen -S" and "dnssec-settime -S"
 - assorted security fixes
 - several other improvements, especially for simplifying DNSSEC configuration and DNSSEC maintenance.
- * RFC 4255, "Using DNS to Securely Publish Secure Shell (SSH) Key Fingerprints", has been implemented in the SSH2 client. This provides the ability to look up host key fingerprints stored as SSHFP records in a DNS RRSET using DNSSEC. This in turn provides additional protection against man-in-the-middle host key spoofing attacks.
- * FTP now supports REStart STREAM (RFC 3659), and MFMT (Modify Fact Modification Time). The commands GET and PUT now have a /RESTART qualifier that will resume an interrupted transfer where it was stopped.

- d. **Avanti and FreeAXP 2.0:** - We are pleased to announce the release of Avanti and FreeAXP 2.0. This version of Avanti has reached our stated performance goal of 55 VUPs on a dedicated performance test system. This same system has been used without modification to its hardware or O/S to produce all published performance results to date, thus guarantying consistent performance data. FreeAXP users will find the FreeAXP 2.0 kit at the usual spot: www.FreeAXP.com .

It may interest you to know that Avanti and FreeAXP 2.0 received an extra tough quality assurance workout. Concurrent with preparations for the release of Avanti 2.0 we were also preparing to

release Migration RPG 8.3, an update to our OpenVMS RPG compiler. So in addition to the large and comprehensive set of tests Avanti must pass prior to release, we also executed the full Migration RPG build, test, and distribution suites on several of our Avanti and FreeAXP test systems. Virtual Alpha testing of Migration RPG 8.3 was conducted on four hardware platforms, eight versions of Windows, and two versions of OpenVMS. All of this was verified against the results produced on two genuine Alpha systems. It was a lot of testing.

Over the next few months, here is what we have on our agenda:

- **Avanti 2.1**: Support of multiple copies of Avanti running on a single host.
- **Mayfair**: Our first commercial virtual VAX release.
- **Rawhide**: Our next virtual Alpha model.

FYI: Those interested in more information on Migration RPG will find it at this link:

<http://www.migrationspecialties.com/Migration-RPG.html>

Thank you for your continued interest and support of Migration Specialties virtual Alpha solutions. 4,800 downloads and counting!

- e. **Mimer SQL version available** The latest Mimer SQL Enterprise version 10.0.6 for OpenVMS 8.x on Integrity is released on July 1st. This is a proof of Mimer's firm and long-term commitment to the OpenVMS platform and the company will continue to support and release new versions of Mimer SQL Enterprise on current and future OpenVMS platforms.

With Mimer SQL Enterprise 10.0.6, the recently introduced 10.0 features like

- increased database cache size
- search and sorting (Unicode collations) for additional languages
- databank file size management functionality for setting maximum, minimum and goal sizes
- immediate database restart (optional)
- are extended with support for the IPv6 protocol and several other new features and further performance improvements.
- To learn more about the features of Mimer SQL Enterprise 10.0.6, please download the free evaluation version for OpenVMS Integrity available at <http://www.mimer.com/> and the Mimer developer web site <http://developer.mimer.com/>.
- For more information on Mimer SQL, please contact Stefan Eck at Stefan.eck@mimer.com.

f. **Golden eggs**

<http://www.goldeneggs.fi/documents/GE-VIRTUAL-AVANTI-A.pdf>

<http://www.goldeneggs.fi/documents/GE-DELL-T610-A.pdf>

<http://www.goldeneggs.fi/documents/GE-DELL-FAMILY-A.pdf>

Alpha Emulator, **New**
Intel 5U-2P Tower, **New**
Family Dell, **Updated**

All x86 GoldenEggs document are here:

Server comparison maps: Dell, IBM, HP, Fujitsu, SUN Cisco, Acer and Lenovo

http://www.goldeneggs.fi/documents/GE-COMPARE-2P-1U-A.pdf	Compare 1U-2P
http://www.goldeneggs.fi/documents/GE-COMPARE-2P-2U-A.pdf	Compare 2U-2P
http://www.goldeneggs.fi/documents/GE-COMPARE-4P-4U-A.pdf	Compare 4U-4P
http://www.goldeneggs.fi/documents/GE-COMPARE-8P-8U-A.pdf	Compare 8U-8P
http://www.goldeneggs.fi/documents/GE-COMPARE-TOWER-A.pdf	Compare Tower

Server family maps for: Dell, IBM, HP, Fujitsu, SUN, Cisco, Acer and Lenovo

http://www.goldeneggs.fi/documents/GE-DELL-FAMILY-A.pdf	Family Dell, Updated
http://www.goldeneggs.fi/documents/GE-IBM-FAMILY-A.pdf	Family IBM
http://www.goldeneggs.fi/documents/GE-HP-FAMILY-A.pdf	Family HP
http://www.goldeneggs.fi/documents/GE-FUJI-FAMILY-A.pdf	Family Fujitsu
http://www.goldeneggs.fi/documents/GE-SUN-FAMILY-A.pdf	Family SUN
http://www.goldeneggs.fi/documents/GE-CISCO-FAMILY-A.pdf	Family Cisco
http://www.goldeneggs.fi/documents/GE-ACER-FAMILY-A.pdf	Family Acer
http://www.goldeneggs.fi/documents/GE-LENOVO-FAMILY-A.pdf	Family Lenovo

x86 servers:

Acer x86-64 Rack servers, AMD / Intel

http://www.goldeneggs.fi/documents/GE-ACER-AR360F1-A.pdf	Intel 1U-2P Rack
http://www.goldeneggs.fi/documents/GE-ACER-AR380F1-A.pdf	Intel 2U-2P Rack
http://www.goldeneggs.fi/documents/GE-ACER-AR385F1-A.pdf	AMD 2U-2P Rack
http://www.goldeneggs.fi/documents/GE-ACER-AR585F1-A.pdf	AMD 2U-4P Rack
http://www.goldeneggs.fi/documents/GE-ACER-AT150F1-A.pdf	Intel 4U-2P Tower
http://www.goldeneggs.fi/documents/GE-ACER-AT350F1-A.pdf	Intel 4U-2P Tower

DELL PowerEdge x86-64 Rack servers, AMD / Intel

http://www.goldeneggs.fi/documents/GE-DELL-FAMILY-A.pdf	
http://www.goldeneggs.fi/documents/GE-DELL-R415-A.pdf	AMD 1U-2P Rack
http://www.goldeneggs.fi/documents/GE-DELL-R515-A.pdf	AMD 2U-2P Rack
http://www.goldeneggs.fi/documents/GE-DELL-R610-A.pdf	Intel 1U-2P Rack
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http://www.goldeneggs.fi/documents/GE-DELL-R810-A.pdf	Intel 2U-4P Rack
http://www.goldeneggs.fi/documents/GE-DELL-R815-A.pdf	AMD 2U-4P Rack
http://www.goldeneggs.fi/documents/GE-DELL-R910-A.pdf	Intel 4U-4P Rack
http://www.goldeneggs.fi/documents/GE-DELL-T310-A.pdf	Intel 5U-1P Tower
http://www.goldeneggs.fi/documents/GE-DELL-T410-A.pdf	Intel 5U-2P Tower
http://www.goldeneggs.fi/documents/GE-DELL-T610-A.pdf	Intel 5U-2P Tower, New
http://www.goldeneggs.fi/documents/GE-DELL-T710-A.pdf	Intel 5U-2P Tower
http://www.goldeneggs.fi/documents/GE-DELL-X86-11-Mar-2010.pdf	

Cisco x86-64 Rack servers, AMD / Intel

http://www.goldeneggs.fi/documents/GE-CISCO-C200M2-A.pdf	Intel 1U-2P Rack
http://www.goldeneggs.fi/documents/GE-CISCO-C210M2-A.pdf	Intel 2U-2P Rack
http://www.goldeneggs.fi/documents/GE-CISCO-C250M2-A.pdf	Intel 2U-2P Rack
http://www.goldeneggs.fi/documents/GE-CISCO-C260M2-A.pdf	Intel 2U-2P Rack
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IBM xServer x86-64 Rack servers, AMD / Intel

http://www.goldeneggs.fi/documents/GE-IBM-FAMILY-A.pdf	
http://www.goldeneggs.fi/documents/GE-IBM-MAX5-A.pdf	
http://www.goldeneggs.fi/documents/GE-IBM-X3550M3-A.pdf	Intel 1U-2P Rack

http://www.goldeneggs.fi/documents/GE-IBM-X3650M3-A.pdf	Intel 2U-2P Rack
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http://www.goldeneggs.fi/documents/GE-IBM-X3755M3-A.pdf	AMD 2U-4P Rack
http://www.goldeneggs.fi/documents/GE-IBM-X3850X5-A.pdf	Intel 4U-4P Rack
http://www.goldeneggs.fi/documents/GE-IBM-X3200M3-A.pdf	Intel 5U-1P Tower
http://www.goldeneggs.fi/documents/GE-IBM-X3400M3-A.pdf	Intel 5U-2P Tower
http://www.goldeneggs.fi/documents/GE-IBM-X3500M3-A.pdf	Intel 5U-2P Tower
http://www.goldeneggs.fi/documents/GE-IBM-X86-10-Mar-2010.pdf	

Lenovo ThinkServer x86-64 Rack servers, AMD / Intel

http://www.goldeneggs.fi/documents/GE-LENOVO-RD230-A.pdf	Intel 1U-2P Rack
http://www.goldeneggs.fi/documents/GE-LENOVO-RD240-A.pdf	Intel 2U-2P Rack
http://www.goldeneggs.fi/documents/GE-LENOVO-TS200V-A.pdf	Intel 5U-1P Tower
http://www.goldeneggs.fi/documents/GE-LENOVO-TD230-A.pdf	Intel 5U-2P Tower

HP ProLiant x86-64 Rack servers, AMD / Intel

http://www.goldeneggs.fi/documents/GE-HP-FAMILY-A.pdf	
http://www.goldeneggs.fi/documents/GE-HP-DL165G7-A.pdf	AMD 1U-2P Rack
http://www.goldeneggs.fi/documents/GE-HP-DL385G7-A.pdf	AMD 2U-2P Rack
http://www.goldeneggs.fi/documents/GE-HP-DL360G6-A.pdf	Intel 1U-2P Rack
http://www.goldeneggs.fi/documents/GE-HP-DL380G7-A.pdf	Intel 2U-2P Rack
http://www.goldeneggs.fi/documents/GE-HP-DL380G6-A.pdf	Intel 2U-2P Rack
http://www.goldeneggs.fi/documents/GE-HP-DL580G7-A.pdf	Intel 4U-4P Rack
http://www.goldeneggs.fi/documents/GE-HP-DL585G6-A.pdf	AMD 4U-4P Rack
http://www.goldeneggs.fi/documents/GE-HP-DL585G7-A.pdf	AMD 7U-8P Rack
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http://www.goldeneggs.fi/documents/GE-HP-DL980G7-A.pdf	Intel 8U-8P Rack
http://www.goldeneggs.fi/documents/GE-HP-ML150G6-A.pdf	Intel 5U-2P Tower
http://www.goldeneggs.fi/documents/GE-HP-ML310G5-A.pdf	Intel 5U-1P Tower
http://www.goldeneggs.fi/documents/GE-HP-ML350G6-A.pdf	Intel 5U-2P Tower
http://www.goldeneggs.fi/documents/GE-HP-ML370G6-A.pdf	Intel 4U-2P Tower
http://www.goldeneggs.fi/documents/GE-HP-X86-11-Mar-2010.pdf	

Fujitsu Primergy x86-64 Rack servers, AMD / Intel

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http://www.goldeneggs.fi/documents/GE-FUJI-RX600S5-A.pdf	Intel 4U-4P Rack
http://www.goldeneggs.fi/documents/GE-FUJI-RX900S1-A.pdf	Intel 8U-8P Rack
http://www.goldeneggs.fi/documents/GE-FUJI-TX200S6-A.pdf	Intel 5U-2P Rack
http://www.goldeneggs.fi/documents/GE-FUJI-TX300S6-A.pdf	Intel 4U-2P Rack
http://www.goldeneggs.fi/documents/GE-FUJI-X86-11-Mar-2010.pdf	

Oracle SUN FIRE x86-64 Rack servers, AMD / Intel

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http://www.goldeneggs.fi/documents/GE-SUN-X4170M2-A.pdf	Intel 1U-2P Rack
http://www.goldeneggs.fi/documents/GE-SUN-X4270M2-A.pdf	Intel 2U-2P Rack
http://www.goldeneggs.fi/documents/GE-SUN-X4470-A.pdf	Intel 3U-4P Rack
http://www.goldeneggs.fi/documents/GE-SUN-X2270-A.pdf	Intel 2U-2P Rack
http://www.goldeneggs.fi/documents/GE-SUN-X4140-B.pdf	AMD 1U-2P Rack
http://www.goldeneggs.fi/documents/GE-SUN-X4170-A.pdf	Intel 1U-2P Rack
http://www.goldeneggs.fi/documents/GE-SUN-X4240-B.pdf	AMD 2U-2P Rack
http://www.goldeneggs.fi/documents/GE-SUN-X4270-A.pdf	Intel 2U-2P Rack

<http://www.goldeneggs.fi/documents/GE-SUN-X4800-A.pdf> Intel 5U-8P Rack
<http://www.goldeneggs.fi/documents/GE-SUN-X4640-A.pdf> AMD 4U-8P Rack
<http://www.goldeneggs.fi/documents/GE-SUN-X86-10-Mar-2010.pdf>

Solutions:

<http://www.goldeneggs.fi/documents/GE-VIRTUAL-AVANTI-A.pdf> Alpha Emulator, **New**
<http://www.goldeneggs.fi/documents/GE-CHARON-AXP-A.pdf> Alpha Emulator
<http://www.goldeneggs.fi/documents/GE-CHARON-VAX-A.pdf> VAX Emulator

How to read Golden Eggs Visual Diagrams.

<http://www.goldeneggs.fi/documents/GE-KEY-A.pdf> ABC-to-pictures

History: 1988 - 2010 Visuals

<http://h18000.www1.hp.com/info/GECPQA/> DEC - Compaq GoldenEggs
<http://www.openvms.org/pages.php?page=GoldenEggs> OpenVMS.org GoldenEggs

This Cross Industry library is created for Windows, Linux and Solaris people.
Please, forward to your colleagues and customers.

3. **Community news!**

- a. Don't miss the hp OpenVMS blog on [OpenVMS](#) , [OpenVMS blogs](#)