



# VAX VMS

to

# Alpha OpenVMS

to

# Itanium OpenVMS I64

Alpha Migration Training

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## Die wesentliche Web-Adresse von HP



The HP Alpha RetainTrust (ART) program underscores HP's commitment to providing long-term business continuity for AlphaServer customers. The program eases the evolution of moving from the Alpha platform to HP's Integrity systems by ensuring we carry forward the trust you have placed in us. ART is focused on showing you the business value of moving forward with HP as a company, and mitigating the risk associated with transitions to Integrity.

- Alpha RetainTrust Program
- Overview
- Initiatives
- Products
- Partners
- Services
- Business Practices

[http://www.hp.com/products1/evolution/alpha\\_retaintrust/index.html](http://www.hp.com/products1/evolution/alpha_retaintrust/index.html)

# Informationen als pdf/Word-Files für Sie



- **Finanzielle Vorteile von OpenVMS**
    - Studie (Techwise Research) zu TCO
  - **Portierungshilfe (12 Seiten mit vielen Web-Adressen)**
    - Porting White Paper
  - **Unterschiede der Floating Point Darstellung**
    - I64 flp White Paper
  - **Best Practises für Programmier (Word-File)**
    - OpenVMS Techn. Architect Gaitan D'Antoni
  - **Zur Fehlerbehebung**
    - Fatal Bugchecks
- Generelle Hintergrundinformation**
- Porting OpenVMS to Integrity

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# Grundlagen zur sinnvollen Migration: **Exakte** Ist-Analyse



- Systemtyp, Prozessortyp
- Anzahl und Frequenz des/der Prozessoren
- Betriebssystem inkl. Versions-Nummer
- Spezielle Compiler: Bliss, Macro32, Mumps, Lisp, Ada, ...
- Layered Products: Datatrieve, FMS, ...
- Datenbanken inkl. Versions-Nummer
- Applikationen.
  - Eigene (Code vorhanden?)
  - ISV SW inkl. Versions-Nummmer
- Spezielle HW oder Busse: Q-Bus, M-Bus, VME, IEEE488, ...

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## Lösungsmöglichkeit: Software-Emulation

- The CHARON-VAX family of products are VAX replacement systems, running as a software application on industry standard systems. They present to the VAX software the exact copy of a VAX hardware system, and will run unmodified VAX operating systems, layered software and applications. The compatibility is so exact that we run the original VAX hardware diagnostics during the design, and the CHARON products were certified using the original AXE hardware verification test suite of Digital Equipment Corporation's VAX engineering group.
- <http://www.softresint.com/charon-vax/index.htm>

## OpenVMS Produkte für Integrity

- [HP OpenVMS Systems](#)
- OpenVMS Version 8.2 is now generally available for entry-level HP Integrity servers as well as the full line of HP AlphaServer systems. By the first half of 2006, OpenVMS will also be available on mid-range and high-end Integrity servers, including the HP Integrity Superdome.
- This new release of OpenVMS is based on a single-source code stream. Therefore, non-hardware-dependent enhancements will become available on both Integrity servers and AlphaServer systems with each release.
- Now you can have the rock-solid availability, disaster tolerance, security, and scalability for which OpenVMS is known on your choice of Integrity or AlphaServer hardware. You can also add a new HP Integrity server running OpenVMS right into your existing cluster of AlphaServer systems. In addition, bringing applications running on OVMS for AlphaServer systems on to the Integrity platform can be as straightforward as recompile, relink, test, and go.
- **OpenVMS for HP Integrity servers and AlphaServer systems**
  - » [HP OpenVMS for Integrity servers and HP OpenVMS for AlphaServer systems Version 8.2 Operating Systems Software Product Description \(SPD\)](#)
  - » [New features and benefits for OpenVMS Version 8.2](#)
  - » [OpenVMS Hardware Support chart](#)
  - » [OpenVMS v8.2 post-FRS systems and options rollout](#)
  - » [OpenVMS Migration Software tools](#)
  - » [HP OpenVMS for Integrity servers and HP OpenVMS Alpha Version 8.2 QuickSpecs](#) [HTML](#) | [PDF](#)
  - » [HP OpenVMS Cluster software](#)
- **Documentation for OpenVMS v8.2**
  - » [HP OpenVMS Version 8.2 Release Notes](#) (PDF, 462KB)
  - » [HP OpenVMS Version 8.2 Features and Documentation Overview](#) (PDF, 429KB)
  - » [HP OpenVMS Version 8.2 Upgrade and Installation Manual](#) (PDF, 2030KB)
  - » [Porting Applications from HP OpenVMS Alpha to HP OpenVMS Industry Standard 64 for Integrity Servers](#) (PDF, 450KB)
- **General information**
  - » [HP OpenVMS Industry Standard 64 \(OpenVMS I64\) Business Practices for HP Integrity Servers](#) (PDF)
  - » [Software Public Rollout Reports for OpenVMS](#)
  - » [OpenVMS on Alpha to OpenVMS on Integrity layered product plans](#)
  - » [HP AlphaServer systems home page](#)
  - » [HP Integrity servers home page](#)

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

# Relevante Informationen: Layered Products



## OpenVMS Alpha to OpenVMS I64 Layered Product Porting Schedule

### OpenVMS Alpha Products Moving to OpenVMS I64

NOTE: Calendar Year, Calendar Quarter are used in this report. The approximate start date of each product release on the OpenVMS I64 platform is shown.

TCP/IP	H1'04		Subsequent versions planned for H2'04, H2'05
DFS (Distributed File System)	Q4'03		
<b>Middleware</b>			
ACMS			Oracle RDB, CDD, DBMS, Trace dependencies.
DECforms		Q1'06	Oracle CDD dependent
DECforms Web Connector		Q1'06	
TP Web Connector		Q1'06	ACMS dependent
TP Desktop Connector		Q1'06	ACMS dependent
RTR		Q1'05	
COM for <i>OpenVMS</i>		Q4'04	
DCE Family		Q4'04	
<b>General e-Business</b>			
XML		Q1'04	
Secure Web Server (based on Apache)	Q4'03		
Secure Web Brower (based on Mozilla)		Q1'04	
Simple Object Access Protocol (SOAP)		Q1'04	

[http://www.hp.com/products1/evolution/alpha\\_retaintrust/download/openvms\\_move.pdf](http://www.hp.com/products1/evolution/alpha_retaintrust/download/openvms_move.pdf)

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# Relevante Informationen: Application Status Report



Sorted by PARTNER or SOLUTION

Partner name	Application name	Industry segment	HP Integrity OpenVMS v8.1	HP Integrity OpenVMS v8.2
<b>2AB, Inc.</b>	<u>iLock Security Services</u>	Professional Services	(Ready)	(Planned)
<b>2AB, Inc.</b>	<u>orb2</u>	E-infrastructure — Application integration and development		(3Q04)
<b>Acelation Software Inc. (formerly EasyEntry Software)</b>	<u>OPSSUITE</u>	E-infrastructure — Application integration and development	(May 2004)	(Planned)
<b>ACCESS d.o.o.</b>	<u>CTI (Computer-Telephony Integration)</u>	Communications — Enhanced network services (ENS)		(Planned)
<b>ACCESS d.o.o.</b>	<u>Fakt-o-r</u>	E-infrastructure — Application integration and development		(Planned)
<b>ACCESS d.o.o.</b>	<u>KID</u>	Finance — Customer relationship management		(Planned)
<b>ACCESS d.o.o.</b>	<u>SOVA</u>	Finance — Customer relationship management		6.0 (3Q05)
<b>ACCESS d.o.o.</b>	<u>Tourist Access</u>	E-infrastructure — Application integration and development		(Planned)
<b>achil.net SA (formerly Hirschmann Consulting AG)</b>	<u>HISO LOCO</u>	E-infrastructure — Application integration and development		(Planned)

[http://h71000.www7.hp.com/solutions/matrix/i64partner\\_A.html](http://h71000.www7.hp.com/solutions/matrix/i64partner_A.html)

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## NICHT auf Itanium OVMS portierte Produkte

### Other HP OpenVMS Products Not Moving to OpenVMS i64

Product	Platform	Comment/Alternative
Allen-Bradley Data Highway (DAS)	VAX, Alpha	The replacement product is BASEstar Open DAS.
Allen-Bradley INTERCHANGE DAS	VAX, Alpha	The replacement product is BASEstar Open DAS.
Modicon DAS	VAX, Alpha	The replacement product is BASEstar Open DAS.
NT Disk Services	Alpha	Product support will continue on OpenVMS Alpha.
ALL-IN-1 Office Server	VAX, Alpha	The replacement product is Office Server. ALL-IN-1 will continue to be certified on new versions of OpenVMS through 2004, and at a minimum, will be supported through 2005. Office Server will continue to be available and supported on OpenVMS VAX and Alpha for the foreseeable future.
Siemens H1 DAS	VAX, Alpha	The replacement product is BASEstar Open DAS.
Enterprise Toolkit	VAX, Alpha	The replacement product is NetBeans, plus some plugins to enable distributed 3GL development.
MAILbus 400		The replacement product is PMDF-MTA.
ECP Data Collector	VAX, Alpha	The replacement product is a data collector that will be made generally available.

[http://www.hp.com/products1/evolution/alpha\\_retaintrust/openvms/openvms\\_plans.html](http://www.hp.com/products1/evolution/alpha_retaintrust/openvms/openvms_plans.html)

# HP OpenVMS Spezialisten

Name VG	Telefon	Mobil
• Thomas Sonnentag	Johannes Schmitt 040/63808124	0171/3357444
• Hartmut Schreiber	Johannes Schmitt 040/63808123	0171/3357971
• Tobias Nicol	Johannes Schmitt 06172/162443	0171/13361487
• Leo Plewa	Johannes Schmitt 02102/906380	0171/3357259
• Hans Werner	Johannes Schmitt 02102/908234	0170/7833521
• Florian Axmann	Ulrich Bäcker 02102/904656	0171/3357553
• Wolfgang Söhnchen	Ulrich Bäcker 02102/904648	0171/3357243
• Christian Kroner	Ralf Rech 089/61412503	0171/2727067
• Manfred Kaselow	Bruno Grzeski	0173/3518324
• Peter Eisenmann	Johannes Schmitt 0911/9524137	0170/7833529
• Helmut Ammer	Joachim Stetter 089/61412279	
• Michael Grünwald	Uwe Kupke 06172/162050	
• Thilo Lauer	Uwe Kupke 06172/162057	
• Christian Büchler	Axel Spaeth 030/25452437	0171/3029497
• Gabriele Hennig	Ralf Rech 030/25452436	0171/3357466
• Franz J. Nienhaus	Klaus Spangemacher 0251/39773060	0171/3357262
• Herbert Siek	Klaus Spangemacher 0251/39773062	
• Friedhelm Meyer	Peter Baum 02102/904636	0171/3357268
• Martin Thalhammer	Joachim Stetter 089/61412507	

