

VMS Software Inc. List of Products

https://www.vmssoftware.com/products_list.html

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Operating System and System Integrated Products

VSI OpenVMS (HAOE, BOE)

The OpenVMS operating system in all of its versions and bundles. Starting with OpenVMS Version 8.4, the three tier Operating Environment model which consists of Foundation Operating Environment (FOE), Enterprise Operating Environment (EOE) and Mission Critical Operating Environment (MCOE) is replaced with a two tier Operating Environment model consisting of Base Operating Environment (BOE) and High Availability Operating Environment (HAOE). OpenVMS on VAX and Alpha was sold according to the class/size of the server.

VSI OpenVMS on Integrity V8.4-1H1

The first release of the OpenVMS computing environment by VSI. OpenVMS V8.4-1H1 provides all of the features contained in HP OpenVMS v8.4 and adds support for HP Integrity i4 servers based on the Intel® Itanium® Processor 9500 series.

VSI OpenVMS on Integrity V8.4-2

Building upon the success of VSI's previous OpenVMS release, OpenVMS V8.4-2 provides support for:

- 64 core support for BL890c i4 (with hyperthreads off)
- UEFI 2.3
- Network boot on Blades
- Support for rx7640 and rx8640
- Tunable BACKUP compression
- Defect repair
- Software component updates:
 - EnterpriseDirectory5.7
 - CSWS Secure Web Server, based on Apache 2.4.12
 - CSWS_PHP
 - CSWS_JAVA
 - WBEM
 - AvailabilityManagerfor64bWindows
 - Updated Time Zone definitions

VSI OpenVMS on Integrity V8.4-2L1

In this OpenVMS release, VSI supplements VSI SSL V1.4 with the new VSI SSL1 V1.0. All OpenVMS components in this release that are dependent on OpenSSL have been modified to make use of the new SSL1 offering.

VSI OpenVMS on Alpha V8.4-2L1

VSI OpenVMS Alpha Version 8.4-2L1 is the first release of the OpenVMS Alpha computing environment by VMS Software, Inc (VSI). It is functionally equivalent to VSI OpenVMS on Integrity V8.4-2L1. The

purpose of this release is to provide users of the aging DEC Alpha hardware platform with a VSI-supported upgrade path to the latest versions of OpenVMS, in preparation for migrating to modern Intel x86-64 hardware.

[VSI OpenVMS on Alpha V8.4-2L2](#)

VSI OpenVMS for Alpha Performance Release is a modified release of VSI OpenVMS Alpha V8.4-2L1, that has been optimized for the DEC Alpha hardware platform running Alpha EV6 and later processors. As the name suggests, the Alpha Performance Release improves performance by taking advantage of new hardware-based instructions available on EV6 and later processors.

[VSI OpenVMS Clusters](#)

VSI OpenVMS Cluster Software is an OpenVMS System Integrated Product (SIP). It provides a highly integrated OpenVMS computing environment distributed over multiple Integrity server, AlphaServer or VAX systems, or a mix of AlphaServer and VAX or AlphaServer and Integrity server systems.

[VSI OpenVMS Cluster Client](#)

OpenVMS Cluster configurations can be configured with systems that operate and are licensed explicitly as client systems. OpenVMS Cluster Client systems contain full OpenVMS Cluster functionality with the following exceptions: Client systems cannot provide votes toward the operation of the OpenVMS Cluster system and Client systems cannot MSCP serve disks or TMSCP serve tapes.

[VSI Volume Shadowing](#)

VSI Volume Shadowing for OpenVMS is a System Integrated Product (SIP) that runs on the Integrity server, Alpha and VAX families of processors. Volume Shadowing for OpenVMS implements a RAID Level 1 storage strategy that provides high data availability for disk devices by preventing data loss resulting from media deterioration or from controller or device failure.

[TCP/IP Services for OpenVMS](#)

TCP/IP Services for OpenVMS product is the OpenVMS implementation of the industry-standard TCP/IP suite of communications protocols. With TCP/IP Services, users, administrators, and programmers can perform tasks from anywhere in the network.

[VSI TCP/IP 10.5](#)

VSI TCP/IP is VSI's first implementation of the industry-standard TCP/IP suite of communication protocols. VSI TCP/IP is based on Process Software's Multinet V5.5 product with enhancements, bugfixes and other

advanced features. VSI TCP/IP is VSI's stack of the future and will one-day replace TCP/IP Services for OpenVMS.

[VSI OpenVMS Galaxy](#)

The VSI Galaxy Software Architecture on OpenVMS Alpha lets you run multiple instances of OpenVMS in a single computer (soft partitions). You can dynamically reassign system resources, mapping compute power to applications on an as-needed basis without having to reboot the computer.

[VSI RMS Journaling](#)

VSI RMS Journaling for OpenVMS enables a system manager, user, or application to maintain the data integrity of RMS files in the event of a number of failure scenarios. RMS Journaling provides the following three types of journaling:

- **After-image journaling.** Allows users to reapply modifications that have been made to a file. This type of journaling allows users to recover files that are inadvertently deleted, lost, or corrupted.
- **Before-image journaling.** Allows users to reverse modifications that have been made to a file. This type of journaling allows users to return a file to a previously known state.
- **Recovery-unit journaling.** Allows users to maintain transaction integrity. A transaction can be defined as a series of file updates on one or more files. If any failure occurs during the transaction, recovery-unit journaling rolls back the partially completed transaction to its starting point.

These journaling products protect RMS file data from becoming lost or inconsistent.

Compilers

VSI BASIC

VSI BASIC is a structured programming language designed for novice and application programmers alike.

VSI C

VSI C for OpenVMS is a standard-conforming implementation of the C programming language with extensions.

VSI C++

VSI C++ is a native programming language product that runs under the OpenVMS Alpha and Integrity operating systems and generates highly optimized object code.

VSI Cobol

The VSI COBOL programming language is an implementation of the COBOL (COmmon Business-Oriented Language) for OpenVMS.

VSI FORTRAN

VSI Fortran for OpenVMS is a programming language that conforms to the American National Standard Fortran 90 (ANSI X3.198-1992), which is the same as the International Standards Organization standard (ISO/IEC 1539:1991 (E)) and Fortran 95 standard (ISO/IEC 1539:1998 (E)).

VSI Pascal

VSI Pascal is a structured programming language that conforms to the American National Standard ANSI/IEEE770X3.97-1989 (ANSI) and the International Standard ISO 7185-1989 (ISO).

Application Development Environments

VSI ACMS Development

The VSI ACMS transaction processing system is a TP monitor that runs on the OpenVMS operating system. It is intended for businesses that require high performance, security, data integrity, and both centralized and distributed processing. Retail, banking, financial services, telecommunications, health, customer service, manufacturing, and insurance are some of the industries that can make use of the ACMS system.

VSI ACMS Remote

VSI ACMS Remote is a remote manager for managing ACMS systems.

VSI ACMS Run-Time

The VSI ACMS transaction processing system is a TP monitor that runs on the OpenVMS operating system. It is intended for businesses that require high performance, security, data integrity, and both centralized and distributed processing. Retail, banking, financial services, telecommunications, health, customer service, manufacturing, and insurance are some of the industries that can make use of the ACMS system. ACMS provides a runtime system for executing and managing the application at execution time.

VSI DATATRIEVE

VSI Datatrieve is a query, report, and data management tool for the OpenVMS Operating System. It provides a uniform access method for data stored by RMS, Oracle Rdb, and Oracle CODASYL DBMS files on OpenVMS and data residing in other databases accessible by the Oracle Rdb Transparent Gateway™ products.

VSI DCE Cell Directory Server

VSI DCE (Distributed Computing Environment) provides a set of the distributed computing functionality specified for The Open Group TM 's (OSF R Distributed Computing Environment (DCE) as well as tools for application developers. DCE Cell Directory Service (CDS): Provides location- independent naming for resources.

VSI DCE Application Developers Kit

VSI DCE (Distributed Computing Environment) provides a set of the distributed computing functionality specified for The Open Group TM 's (OSF R) Distributed Computing Environment (DCE) as well as tools for application developers.

Storage Products

DECram

VSI DECram is a disk device created in the physical memory area of a system. The operating system can read from and write to a DECram disk, using standard OpenVMS disk I/O operations, at access times much less than those for standard hardware disks. DECram is a system Integrated Product that is included in the BOE license on Integrity.

VSI Disk File Optimizer

VSI Disk File Optimizer for OpenVMS is a layered software product which reduces both file fragmentation and optimizes file placement on disk media. This results in better application performance, better backup performance, and more efficient disk utilization.

VSI Save Set Manager for OpenVMS (SSM)

VSI Save Set Manager for OpenVMS (SSMgr) is a layered software product that reduces user time spent on save set operations. SSMgr reduces operational time spent during OpenVMS BACKUP operations by providing an avenue for offline save set validation, copy, and save set merge functions.

VSI DECdfs

DECdfs for OpenVMS client and server software allows users on a local OpenVMS or OpenVMS Cluster system to access files on a remote OpenVMS or OpenVMS Cluster system in a DECnet Phase IV or DECnet Phase V network. DECdfs enables the remote disk to function similarly to a local disk.

Backup Products

VSI Archive Backup System – Client

VSI's primary OpenVMS archive and backup product. ABS automates backup operations, provides for system archiving, and makes it easy to find files stored on tapes and disks. ABS also provides client backup facilities for Windows 2000/XP, Tru64 UNIX, and remote OpenVMS clients.

VSI Archive Backup System – Server

VSI's primary OpenVMS archive and backup product. ABS automates backup operations, provides for system archiving, and makes it easy to find files stored on tapes and disks. The ABS/MDMS server software should reside on a system which will be managing the policy and media databases for itself and any client nodes connected to it. The MDMS server provides access to the policy and media databases.

Software Development Products

VSI DECset (VAXSET)

VSI DECset for OpenVMS Alpha Systems is an integrated programming tool set that supports software developers' coding, debugging, testing, and maintenance activities.

VSI Code Management System (CMS)

The VSI Code Management System (CMS) for OpenVMS Alpha/I64 Systems provides an efficient method for storing project files and tracking all changes to those files.

VSI Language-Sensitive Editor (LSE)/Source Code Analyzer (SCA)

The VSI Language-Sensitive Editor (LSE) is a Multilanguage programmer's editor. Language-specific templates and online language help assist both new and experienced programmers in developing programs faster.

VSI Module Management System (MMS)

The VSI Module Management System (MMS) for OpenVMS Alpha/I64 Systems automates and simplifies the building of software applications, whether they are simple programs of only one or two files or complex programs consisting of many source files, message files, and documentation.

VSI Performance & Coverage Analyzer (PCA)

The VSI Performance and Coverage Analyzer (PCA) for OpenVMS Alpha/I64 Systems helps users pinpoint execution bottlenecks in application programs. PCA can also identify which parts of an application are not executed by a given set of test data.

VSI Digital Test Manager (DTM)

The VSI Digital Test Manager for OpenVMS Alpha/I64 Systems is a regression testing tool that automates the creation and maintenance of regression tests. It also automatically compares test run results with expected test results.

System Management Tools

VSI PERFDAT

VSI now owns and supports PERFDAT, the most comprehensive data collector and analysis tool available.

PERFDAT is an integrated performance monitoring, analysis, and capacity planning solution for OpenVMS Alpha and OpenVMS Itanium. It is designed and developed for monitoring large complex OpenVMS environments and includes comprehensive data gathering, storage, and analysis functions. It also has the ability to monitor the performance of non-OpenVMS systems through standards-based extensions.

For more information on VMS Software, Inc.'s PERFDAT, please go to our [documents page](#) or e-mail perfdat@vmssoftware.com.

VSI Availability Manager

The VSI Availability Manager is a system management tool that allows one to monitor, from an OpenVMS or Windows node, one or more OpenVMS nodes on an extended local area network (LAN). The Availability Manager helps system managers and analysts target a specific node or process for detailed analysis. This tool collects system and process data from multiple OpenVMS nodes simultaneously, analyzes the data, and displays the output using a graphical user interface (GUI).

VSI Insight Manager Web Agents

The Management Agents for OpenVMS provides WBEM web agents for system, storage, and network components. Web agents use SNMP and TCP/IP to allow management servers running on various platforms, including OpenVMS, Windows NT, and Tru64 UNIX, to communicate with manageable components and peripheral devices. Web agents use common web-enabling components to provide registration, discovery, HTTP communications, and a home page for the managed devices. Web agents can send information directly to the management server to be relayed to the browser, or they can create an HTML file to communicate directly with a browser.

VSI Web Based Enterprise Management Services (WBEM)

The VSI WBEM Providers software is a collection of tools that enables you to monitor the health of HP servers running VSI OpenVMS. This software retrieves information about hardware devices such as CPU, memory, power supply, and cooling devices. It operates within the WBEM environment.

VSI T4 and Tools

VSI T4 (Total Timeline Tracking Tool) is a tool that systematically captures, consolidates, and creates a timeline view of important OpenVMS performance statistics. The statistics are collected by leveraging different

collectors. The output of a T4 collection is a two-dimensional table formatted as a comma separated value (CSV) file. The CSV files and the binary (.DAT) files, generated by collectors such as MONITOR and FC_MON, are packaged into a ZIP file. The data in the CSV files is interpreted using analyzers.

Windows Integration

SAMBA (CIFS)

VSI OpenVMS Common Internet File System (CIFS) for OpenVMS Alpha and OpenVMS Integrity is based on the Open Source SAMBA code base. CIFS provides users with seamless file and print interoperability between OpenVMS and Windows-based clients.

Text Display Forms Products

VSI DECforms Development

VSI DECforms is a software product for the development and deployment of forms-based user interfaces for interactive applications running on OpenVMS systems. The FDE allows a form designer to create a form interactively.

VSI DECforms Run-Time

VSI DECforms is a software product for the development and deployment of forms based user interfaces for interactive applications running on OpenVMS systems. The runtime kit allows running of already DECforms applications on a target or runtime node.

VSI FMS - Development

VSI FMS is a character-cell based forms management system for interactive applications running on OpenVMS systems that use video forms as the user interface. FMS provides application programmers with a set of development tools to create and maintain forms-based user interfaces.

VSI FMS Run-Time

FMS is a character-cell based forms management system for interactive applications running on OpenVMS systems that use video forms as the user interface. FMS provides a runtime system for displaying and managing the application's user interface at execution time.

VSI TDMS (Terminal Data Management System)

VSI TDMS (Terminal Data Management System) on Alpha and Integrity is a product designed for the implementation of interactive, forms intensive applications running on OpenVMS Alpha and Integrity systems. TDMS provides application programmers with a set of development tools to create and maintain forms-based user interfaces.

VSI TDMS RT (Terminal Data Management System Run Time)

VSI TDMS (Terminal Data Management System) on Alpha and Integrity is a product designed for the implementation of interactive, forms intensive applications running on OpenVMS Alpha and Integrity systems. TDMS provides a runtime system for displaying and managing the application's user interface at execution time.

eBusiness Products

Perl

Perl is an open source interpreted high-level programming language, which makes Perl programs highly portable across systems. Perl has become the premier scripting language of the Web, as most CGI programs are written in Perl.

PHP

PHP is a server-side, cross-platform; HTML embedded scripting language that lets you create dynamic web pages. PHP-enabled web pages are treated the same as regular HTML pages. You can create and edit them the way you normally create regular HTML pages. PHP-enabled files are simple HTML files ending in .PHP (the default extension). The .PHP files you create and include in your web directory are parsed by CSWS_PHP in the Secure Web Server. You do not need to compile the files.

Tomcat

Tomcat is an extension to the VSI Secure Web Server, but it runs independently of SWS in a separate process. You can configure your system so that the Secure Web Server serves HTML pages, while Tomcat serves the JSP pages and runs the servlets.

XML

XML is the key data interchange standard for the Internet. Its widespread adoption is driven by its great versatility and relative simplicity as compared with earlier structured markup languages such as SGML.

Java

Java is a programming language and computing platform first released by Sun Microsystems in 1995. There are lots of applications and websites that will not work unless you have Java installed, and more are created every day. Java is fast, secure, and reliable. From laptops to datacenters, game consoles to scientific supercomputers, cell phones to the Internet, Java is everywhere! Java can be downloaded from the HPE web site at <https://www.hpe.com/global/java/download/index.html>.

Secure Web Browser (Mozilla)

The Secure Web Browser is a browser that runs on OpenVMS and is based on the SeaMonkey open-source project. SeaMonkey has inherited the successful all-in-one concept of the original Netscape Communicator and continues that product line based on the modern, cross-platform architecture provided by the Mozilla project.

Secure Web Server (Apache Server)

The SWS for OpenVMS is based on Apache, the world's most widely

deployed web (HTTP) server - millions of Internet servers are powered by Apache. The SWS is a powerful, flexible, HTTP/1.1 compliant web server that includes Secure Sockets Layer (SSL) through mod_ssl and OpenSSL. SSL provides privacy through encryption, server authentication, and message integrity.

VSI WSIT

The Web Services Integration Toolkit provides a set of individual tools to significantly help you develop a JavaBean to expose legacy application logic. These tools are designed to be valuable both individually or in combination. All of the WSIT tools run on VSI OpenVMS.

VSI Reliable Transaction Router (RTR) Back End (BE)

VSI Reliable Transaction Router (RTR) is fault tolerant transactional messaging middleware used to implement large, distributed applications using client/server technology. The back end provides transparent, content-based transaction routing for client/server applications.

VSI Reliable Transaction Router (RTR) Front End (FE) Client

VSI Reliable Transaction Router (RTR) is fault tolerant transactional messaging middleware used to implement large, distributed applications using client/server technology. The front end provides the ability for the client to start transaction branches, where the global transaction may be controlled by RTR.

gSOAP

gSOAP is a cross-platform open source C and C++ software development toolkit. It 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.

Open Source Tools

GNV

GNV (GNU's Not VMS) is an open source, GNU-based UNIX environment for OpenVMS that provides UNIX application developers, system managers, and users a UNIX-style environment on OpenVMS. This facilitates development and porting of UNIX software to OpenVMS.

GnuPG

GnuPG (GNU Privacy Guard) is GNU's tool for secure communication and data storage. It can be used to encrypt data and to create digital signatures. GnuPG includes an advanced key management facility.

Kerberos

Kerberos for OpenVMS, based on MIT Kerberos V5, is a network authentication protocol designed to provide strong authentication for client/server applications by using secret-key cryptography.

Network

[VSI OMNI API](#)

VSI Omni API is a network communications product that provides an Application Programming Interface (API) for the connection and management of manufacturing shop floor devices and control systems.

[VSI OSAP H1](#)

VSI OSAP is a network communication product. It provides a solution to connect Compaq applications with shop floor devices based on Siemens SINEC H1 communication protocol. SINEC H1 services are also identified as PG communication services in Siemens literature.

[VSI DECnet Plus Extended Function](#)

DECnet-Plus for OpenVMS is available in two forms: End System and Extended Function. Extended Function provides all the features of End System plus the OSI application gateways (FTAM--DAP Gateway, VT-Telnet, LAT/VT and VT/LAT), the DECdns server (on VAX platforms), and host-based routing, and cluster alias. X.25 for OpenVMS

[VSI X.25 for OpenVMS](#)

VSI X.25 for OpenVMS enables appropriately configured systems to connect to an X.25 Packet Switched Data Network (PSDN) via an X.25 Relay node on the same Local Area Network (LAN), via a DNA Phase IV X.25 connector node, or directly using a synchronous controller card for Alpha.

Directory Services

VSI Enterprise Directory Server LDAP

VSI Enterprise Directory Server is a centralized directory based on the LDAP protocol. Lightweight Directory Access Protocol (LDAP) is combined with the Authentication and Credentials Management Extension (ACME) authentication mechanism to provide a solution to customers to manage all accounts in a centralized directory.

Messaging

VSI Distributed Queuing Service (DQS)

The VSI Distributed Queuing Service (DQS) uses the DECnet networking system to extend the standard OpenVMS queue system to enable users to: Print jobs on printers connected to systems other than their own; Show the status of jobs on those systems; Cancel their jobs on those systems and Change the specifications of their jobs on those systems.

Graphics

VSI GKS Development

VSI GKS (Graphical Kernel System) (formerly HP GKS) for OpenVMS for Integrity Servers and OpenVMS Alpha is a two-dimensional and three-dimensional graphics support system that provides a set of programming functions for creating interactive and non-interactive graphics applications. As a development tool, VSI GKS is a solid base for portable, device-independent applications that define and display graphical images, using a variety of graphics devices.

VSI GKS Runtime

VSI GKS (Graphical Kernel System) (formerly HP GKS) for OpenVMS for Integrity Servers and OpenVMS Alpha is a two-dimensional and three-dimensional graphics support system that provides a set of programming functions for creating interactive and non-interactive graphics applications. As a development tool, VSI GKS is a solid base for portable, device-independent applications that define and display graphical images, using a variety of graphics devices. The shareable images are activated at run-time as needed.

UNIX Porting

VSI C RTL

The VSI C RTL is a library that contains XPG4-compliant internationalization support, providing functions to help develop software that can run in different languages and cultures. The complete VSI C Runtime Library (C RTL) needed for use with the VSI C and C++ compilers is distributed with the OpenVMS Alpha and I64 operating systems in both shared image and object module library form.

POSIX

IEEE POSIX standards are a set of implementation independent system interface standards. IEEE POSIX standards have the "look and feel" of UNIX interfaces. OpenVMS VAX and AXP systems support POSIX and X/Open standards and draft standards, thus allowing portable applications to benefit from the proven features of OpenVMS.

Integrity Porting

HP OpenVMS Migration Software for Alpha to Integrity Servers

The HP OpenVMS Migration Software for Alpha to Integrity Servers is a utility that analyzes an Alpha image and creates a functionally equivalent translated image.

Translated Image Environment (TIE)

The Translated Image Environment (TIE) is an I64 shareable image that supports translated images at run time. TIE provides the translated image with an environment similar to OpenVMS Alpha and processes all interactions with the native I64 system.

FREEware Software Library

FREEware Software Library

OpenVMS Freeware is a collection or distribution containing various public domain, open source and freeware packages. The OpenVMS Freeware collection provides OpenVMS customers with easy access to this software and to VSI-developed software and tools. Many of these tools are popular packages already widely known and in use, while others are internally developed tools our engineers are making available to our OpenVMS customers.