



Hewlett Packard
Enterprise

OpenVMS Systems Documentation Index Page

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Contents

[OpenVMS Layered Products](#)

[OpenVMS Operating System \(V8.4, V8.3-1H1, V8.3, V8.2-1, V8.2, V7.3-2, V7.3\)](#)

[OpenVMS White Papers](#)

[OpenVMS Archived Documentation](#)

[OpenVMS Freeware](#)

HPE OpenVMS Systems

OpenVMS Layered Products

Product Name	https://support.hpe.com/hpsc/doc/public/display?docId=a00062516en_us
ACMS for OpenVMS	ACMS for OpenVMS Knowledge Modules
	ACMS for OpenVMS Managing Applications
	ACMS for OpenVMS Quick Reference Guide
	ACMS for OpenVMS Remote Systems Management Guide
	ACMS for OpenVMS Systems Interface Programming Guide
	ACMS for OpenVMS Writing Applications
	ACMS for OpenVMS Writing Server Procedures
	ACMS Version 4.4 for OpenVMS Installation Guide
	ACMS Version 4.4 for OpenVMS Release Notes
	ACMS for OpenVMS ADU Reference Manual
	ACMS for OpenVMS Concepts and Design Guidelines
	HP ACMS for OpenVMS, Version 5.0A SPD 82.40.02
	ACMS for OpenVMS Getting Started
Advanced Server V7.3B for OpenVMS	Advanced Server for OpenVMS Commands Reference Manual
	Advanced Server for OpenVMS Concepts and Planning Guide
	Advanced Server for OpenVMS Guide to Managing Advanced Server Licenses
	Advanced Server for OpenVMS Release Notes
	Advanced Server for OpenVMS Server Administrator's Guide
	Advanced Server for OpenVMS Server Installation and Configuration Guide
HP Availability Manager Version 3.1	HP Availability Manager Installation Instructions
	Guide for Setting Up the Availability Manager to Forward Events to OpenView
	Availability Manager User's Guide
	AM Version 3.0-2 Release Notes
	AM Version 2.6 Release Notes
	AM Version 2.5 Release Notes
	Availability Manager (AM) Version 2.4-1 Release Notes
	AM Version 2.4 Release Notes
	AM Version 2.3-1 Release Notes
	AM Version 2.3 Release Notes
	AM Version 2.2-1 Release Notes
	AM Version 2.2 Release Notes
	AM Version 2.1 Release Notes
	AM Version 2.0 Release Notes
	AM Version 1.4 Release Notes
	AM Version 1.3 Release Notes
	AM Version 1.2 Release Notes
	AM Version 1.1 Release Notes
	DECcmds Version 7.3-2B Documentation
	Installing the DECcmds Data Analyzer Version 7.3-2B
DECcmds Version 7.3-2B Release Notes	
DECdfs for OpenVMS V2.4	DECdfs for OpenVMS Installation Guide
	DECdfs for OpenVMS Management Guide
	DECdfs for OpenVMS Version 2.4A SPD 28.78.10
	DECdfs for OpenVMS Release Notes
HP DECforms Version 4.0	Read Before Installing HP DECforms for OpenVMS Systems, Version 4.0
	HP DECforms Release Notes
	HP DECforms Guide to Commands and Utilities
	HP DECforms Guide to Converting FMS Applications
	HP DECforms Guide to Developing an Application
	HP DECforms IFDL Reference Manual

	HP DECforms Installation Guide for OpenVMS Systems HP DECforms Programmer's Reference Manual HP DECforms Style Guide for Character-Cell Devices
DECnet-Plus for OpenVMS	HP DECnet-Plus for OpenVMS Installation and Configuration HP DECnet-Plus for OpenVMS Release Notes, Version 8.4 DECnet-Plus for OpenVMS Introduction and User's Guide HP DECnet-Plus for OpenVMS Network Management HP DECnet-Plus for OpenVMS Network Control Language Reference DECnet-Plus for OpenVMS Planning Guide DECnet-Plus for OpenVMS Programming DECnet-Plus FTAM and VT Use and Management DECnet-Plus FTAM Programming DECnet-Plus OSAK Programming Reference DECnet-Plus OSAK Programming DECnet-Plus OSAK SPI Programming Reference HP DECnet-Plus DECdts Management HP DECnet-Plus DECdts Programming HP DECnet-Plus DECdns Management DECnet-Plus Problem Solving DECnet/OSI for VMS CTF Use
DECnet for OpenVMS V8.4	DECnet for OpenVMS Guide to Networking DECnet for OpenVMS Network Management Utilities DECnet for OpenVMS Networking Manual
HP DECprint Supervisor (DCPS) Version 2.7	HP DECprint Supervisor (DCPS) for OpenVMS Cover Letter HP DECprint Supervisor (DCPS) for OpenVMS Release Notes HP DECprint Supervisor (DCPS) for OpenVMS Software Installation Guide HP DECprint Supervisor (DCPS) for OpenVMS System Manager's Guide HP DECprint Supervisor (DCPS) for OpenVMS User's Guide
HP DECset Version 12.8	HP DECset for OpenVMS Installation Guide Using HP DECset for OpenVMS Systems Code Management System Callable Routines Reference Manual Guide to Detailed Program Design for OpenVMS Systems Updated Code Management System Reference Manual Guide to the Code Management System Guide to HP DIGITAL Test Manager Guide to Language-Sensitive Editor Guide to Module Management System Guide to Performance and Coverage Analyzer for OpenVMS Systems Updated Guide to Source Code Analyzer for OpenVMS Systems Updated Language-Sensitive Editor Command Line Interface and Callable Routines Manual Updated Language-Sensitive Editor/Source Code Analyzer Reference Manual Performance and Coverage Analyzer for OpenVMS Command Line Interface Guide Updated Performance and Coverage Analyzer for OpenVMS Reference Manual Updated Source Code Analyzer Command Line Interface and Callable Routines Reference Manual Test Manager Reference Manual
DECwindows Motif for OpenVMS 1.6	HP DECwindows Motif for OpenVMS Documentation Overview HP DECwindows Motif for OpenVMS New Features HP DECwindows Motif for OpenVMS Release Notes HP DECwindows Motif for OpenVMS Installation Guide HP DECwindows Motif for OpenVMS Management Guide
Archived DECwindows	DECwindows Extensions to Motif DECwindows Guide to Xlib (Release 4) Programming: MIT C Binding DECwindows Guide to Xlib (Release 4) Programming: VAX Binding DECwindows Motif Companion to the OSF/Motif Style Guide DECwindows Motif for OpenVMS Applications Guide

Archived DECwindows	DECwindows Motif for OpenVMS Guide to Non-C Bindings DECwindows Motif Guide to Application Programming Managing DECwindows Motif for OpenVMS Systems Porting XUI Applications to Motif Using DECwindows Motif for OpenVMS
Common Desktop Environment (CDE)	Getting Started with the New Desktop
DECwindows Motif for OpenVMS 1.5	HP DECwindows Motif for OpenVMS Documentation Overview HP DECwindows Motif for OpenVMS New Features HP DECwindows Motif for OpenVMS Release Notes HP DECwindows Motif for OpenVMS Installation Guide Using DECwindows Motif for OpenVMS HP DECwindows Motif for OpenVMS Management Guide
Archived DECwindows	DECwindows Extensions to Motif DECwindows Guide to Xlib (Release 4) Programming: MIT C Binding DECwindows Guide to Xlib (Release 4) Programming: VAX Binding DECwindows Motif Companion to the OSF/Motif Style Guide DECwindows Motif for OpenVMS Applications Guide DECwindows Motif for OpenVMS Guide to Non-C Bindings DECwindows Motif Guide to Application Programming Managing DECwindows Motif for OpenVMS Systems Porting XUI Applications to Motif Using DECwindows Motif for OpenVMS
Common Desktop Environment (CDE)	Getting Started with the New Desktop
DECwindows Motif for OpenVMS 1.3-1	HP DECwindows Motif for OpenVMS Alpha Documentation Overview HP DECwindows Motif for OpenVMS Alpha New Features HP DECwindows Motif for OpenVMS Alpha Installation Guide HP DECwindows Motif Version 1.3-1 for OpenVMS Alpha Release Notes Guide to the HP DECwindows for OpenVMS Alpha CD-ROM DECwindows Extensions to Motif DECwindows Guide to Xlib (Release 4) Programming: MIT C Binding DECwindows Guide to Xlib (Release 4) Programming: VAX Binding DECwindows Motif Companion to the OSF/Motif Style Guide DECwindows Motif for OpenVMS Applications Guide DECwindows Motif for OpenVMS Guide to Non-C Bindings DECwindows Motif Guide to Application Programming Managing DECwindows Motif for OpenVMS Systems Porting XUI Applications to Motif Using DECwindows Motif for OpenVMS
Common Desktop Environment (CDE)	Getting Started with the New Desktop
DECwindows Motif for OpenVMS 1.3	HP DECwindows Motif for OpenVMS Alpha Documentation Overview HP DECwindows Motif for OpenVMS Alpha New Features HP DECwindows Motif Version 1.3 for OpenVMS Alpha Release Notes Guide to the HP DECwindows for OpenVMS Alpha CD-ROM
Encryption for OpenVMS	Encryption for OpenVMS Installation and Reference Manual
HPE C for OpenVMS	HP C Software Product Description Release Notes User's Guide Language Reference Manual C Run-Time Library Reference Manual Installation Guide
HPE C++ for OpenVMS	Release Notes [pdf] C++ Software Product Description Standard Library Stream Input/Output C++ Class Library Reference Manual [pdf] C Run-Time Library Reference Manual HP C++ User's Guide for OpenVMS Systems RBI Letter

	Installation Guide
HP BASIC for OpenVMS	HP BASIC for OpenVMS User Manual
	HP BASIC for OpenVMS I64 Systems Installation Guide
	HP BASIC for OpenVMS Reference Manual
HP COBOL for OpenVMS	HP COBOL Version 2.9 Installation Guide Updated
	HP COBOL Version 2.8 DBMS Programming Manual
	HP COBOL Version 2.8 Reference Manual
	HP COBOL Version 2.8 User Manual
DEC Version 3.2 for OpenVMS	HP DCE for OpenVMS Alpha and OpenVMS I64 Product
	HP DCE for OpenVMS Alpha and OpenVMS I64 Reference Guide
	HP DCE for OpenVMS Alpha and OpenVMS I64 Release
	HP DCE for OpenVMS Alpha and OpenVMS I64 Installation and Configuration Guide
HP FORTRAN for OpenVMS	HP Fortran Version 8.2 for OpenVMS Integrity Servers Installation Guide
	HP Fortran Version 8.2 Release Notes for OpenVMS Integrity Servers
	HP Fortran Version 8.2 for OpenVMS Alpha Systems Release Notes
	HP Fortran for OpenVMS Language Reference Manual
	HP Fortran Version 8.2 for OpenVMS Alpha Systems Installation Guide
OpenVMS Version 8.3 for Integrity servers	HP Integrity BL860c Server Blade Errata
	HP Integrity rx2660 Server Errata
	HP Integrity rx3600 Server
	Errata for HP OpenVMS Support for HP Integrity rx3600 and rx6600 Servers with PCI-Express I/O Backplane
	HP Integrity rx4640 Server
	ATI RADEON 7500 PCI Graphics Controller Installation Guide
	HP Integrity rx6600 Server
	Errata for HP OpenVMS Support for HP Integrity rx3600 and rx6600 Servers with PCI-Express I/O Backplane
	HP Integrity rx1600 Server
	ATI RADEON 7500 PCI Graphics Controller Installation Guide
	ATI RADEON 7500 PCI Graphics Controller Installation Guide
	HP Integrity rx2600 Server
	ATI RADEON 7500 PCI Graphics Controller Installation Guide
	HP Integrity rx2620 Server
	ATI RADEON 7500 PCI Graphics Controller Installation Guide
	HP PASCAL for OpenVMS User Manual
HP Pascal for OpenVMS	HP PASCAL for OpenVMS Installation Guide
	HP PASCAL for OpenVMS Language Reference Manual
	PATHWORKS 32 eXcursion User's Guide
PATHWORKS 32	
HPE TCP/IP Services for OpenVMS v5.7	Compaq TCP/IP Services for OpenVMS Concepts and Planning
	HP TCP/IP Services for OpenVMS Guide to SSH
	HP TCP/IP Services for OpenVMS Guide to IPv6
	HP TCP/IP Services for OpenVMS Installation and Configuration
	HP TCP/IP Services for OpenVMS Management
	HP TCP/IP Services for OpenVMS Management Command Reference
	HP TCP/IP Services for OpenVMS ONC RPC Programming
	HP TCP/IP Services for OpenVMS Release Notes Updated
	HP TCP/IP Services for OpenVMS SNMP Programming and Reference
	HP TCP/IP Services for OpenVMS Sockets API and System Services Programming
	HP TCP/IP Services for OpenVMS Tuning and Troubleshooting
	HP TCP/IP Services for OpenVMS User's Guide
	HP TCP/IP Services for OpenVMS Command Card Quick Reference
	HP TCP/IP Services for OpenVMS UNIX Command Equivalents Reference Card
	Compaq TCP/IP Services for OpenVMS Concepts and Planning
	HP TCP/IP Services for OpenVMS Guide to SSH Updated
	HP TCP/IP Services for OpenVMS Guide to IPv6
	HP TCP/IP Services for OpenVMS Installation and Configuration Updated
	HP TCP/IP Services for OpenVMS Management Updated

HPE TCP/IP Services for OpenVMS v5.6	HP TCP/IP Services for OpenVMS Management Command Reference HP TCP/IP Services for OpenVMS ONC RPC Programming HP TCP/IP Services for OpenVMS Release Notes Updated HP TCP/IP Services for OpenVMS SNMP Programming and Reference HP TCP/IP Services for OpenVMS Sockets API and System Services Programming HP TCP/IP Services for OpenVMS Tuning and Troubleshooting HP TCP/IP Services for OpenVMS User's Guide HP TCP/IP Services for OpenVMS Command Card Quick Reference HP TCP/IP Services for OpenVMS UNIX Command Equivalents Reference Card
HPE TCP/IP Services for OpenVMS v5.5	HP TCP/IP Services for OpenVMS Guide to IPv6 HP TCP/IP Services for OpenVMS Guide to SSH HP TCP/IP Services for OpenVMS Installation and Configuration HP TCP/IP Services for OpenVMS Management HP TCP/IP Services for OpenVMS Management Command Reference HP TCP/IP Services for OpenVMS SNMP Programming and Reference HP TCP/IP Services for OpenVMS Sockets API and System Services Programming HP TCP/IP Services for OpenVMS Tuning and Troubleshooting Compaq TCP/IP Services for OpenVMS Concepts and Planning HP TCP/IP Services for OpenVMS ONC RPC Programming HP TCP/IP Services for OpenVMS User's Guide HP TCP/IP Services for OpenVMS Release Notes HP TCP/IP Services for OpenVMS Command Card Quick Reference HP TCP/IP Services for OpenVMS UNIX Command Equivalents Reference Card
HPE TCP/IP Services for OpenVMS v5.4	HP TCP/IP Services for OpenVMS Guide to IPv6 HP TCP/IP Services for OpenVMS Guide to SSH HP TCP/IP Services for OpenVMS Installation and Configuration HP TCP/IP Services for OpenVMS Management HP TCP/IP Services for OpenVMS Management Command Reference Compaq TCP/IP Services for OpenVMS SNMP Programming and Reference Compaq TCP/IP Services for OpenVMS Sockets API and System Services Programming HP TCP/IP Services for OpenVMS Tuning and Troubleshooting Compaq TCP/IP Services for OpenVMS Concepts and Planning Compaq TCP/IP Services for OpenVMS ONC RPC Programming HP TCP/IP Services for OpenVMS User's Guide HP TCP/IP Services for OpenVMS Release Notes
HPE TCP/IP Services for OpenVMS v5.3	Compaq TCP/IP Services for OpenVMS Guide to IPv6 Compaq TCP/IP Services for OpenVMS Installation and Configuration Compaq TCP/IP Services for OpenVMS Management Compaq TCP/IP Services for OpenVMS Management Command Reference Compaq TCP/IP Services for OpenVMS SNMP Programming and Reference Compaq TCP/IP Services for OpenVMS Sockets API and System Services Programming Compaq TCP/IP Services for OpenVMS Tuning and Troubleshooting Compaq TCP/IP Services for OpenVMS Concepts and Planning Compaq TCP/IP Services for OpenVMS ONC RPC Programming Compaq TCP/IP Services for OpenVMS User's Guide Compaq TCP/IP Services for OpenVMS Release Notes
HPE SSL for OpenVMS	HP SSL Version 1.4-453 for OpenVMS Installation Guide and Release Notes HP SSL Version 1.4-467 for OpenVMS Installation Guide and Release Notes HP SSL Version 1.4-471 for OpenVMS Installation Guide and Release Notes HP SSL Version 1.4-476 for OpenVMS Installation Guide and Release Notes HP SSL Version 1.4-493 for OpenVMS Installation Guide and Release Notes HP SSL Version 1.4-495 for OpenVMS Installation Guide and Release Notes HP SSL Version 1.4-502 for OpenVMS Installation Guide and Release Notes HP SSL Version 1.4-503 for OpenVMS Installation Guide and Release Notes HP SSL Version 1.4 for OpenVMS Installation Guide and Release Notes HPE SSL1 Version 1.0-2C for OpenVMS Installation Guide and Release Notes

	HPE SSL1 Version 1.0-2C for OpenVMS Installation Guide and Release Notes HPE SSL1 Version 1.0-2H for OpenVMS Installation Guide and Release Notes HPE SSL1 Version 1.0-2G for OpenVMS Installation Guide and Release Notes
	HP Open Source Security for OpenVMS, Volume 2: HP SSL for OpenVMS (July 2006)
Kerberos for HP OpenVMS	Kerberos for HP OpenVMS Version 3.0 Installation and Configuration Guide Kerberos for HP OpenVMS Version 2.0 Installation and Configuration Guide Kerberos for HP OpenVMS Version 3.1 Installation and Configuration Guide Kerberos for HP OpenVMS Version 3.2 Installation and Configuration Guide Kerberos for HP OpenVMS Version 3.0 Release Notes Kerberos for HP OpenVMS Version 3.1 Release Notes Kerberos for HP OpenVMS Version 3.2 Release Notes HP Open Source Security for OpenVMS, Volume 3: Kerberos (June 2006) HP Open Source Security for OpenVMS, Volume 3: Kerberos (September 2003)
MIT Kerberos Documentation	Kerberos V5 Installation Guide (Included as part of OpenVMS kit in the KRB\$ROOT:[DOC] directory) Kerberos V5 User's Guide (Included as part of OpenVMS kit in the KRB\$ROOT:[DOC] directory) Kerberos V5 System Administrator's Guide (Included as part of OpenVMS kit in the KRB\$ROOT:[DOC] directory) Upgrading to Kerberos V5 from Kerberos V4 (Included as part of OpenVMS kit in the KRB\$ROOT:[DOC] directory)
Language variants	HP OpenVMS/Hangul User Guide (V8.2) Hangul EVE User Guide (V8.2) Hangul TPU and EVE Reference Manual (V8.2) HP OpenVMS/Hangul RTL Korean Processing (HSY\$) Manual (V8.2) HP OpenVMS/Hangul RTL Korean Screen Management (SMG\$) Manual (V8.2) HP OpenVMS/Hanzi User Guide (V8.2) Hanzi EVE User Guide (V8.2) Character Manager User for OpenVMS Hanzi Guide (V8.2)
NetBeans for OpenVMS	Distributed NetBeans V7.0.1 for OpenVMS Alpha and Integrity servers Installation Guide and Release Notes Distributed NetBeans V7.0.1 for OpenVMS Alpha and Integrity servers Quick Start Guide
PATHWORKS for OpenVMS (Advanced Server)	Advanced Server for OpenVMS Commands Reference Manual Advanced Server for OpenVMS Concepts and Planning Guide Advanced Server for OpenVMS Guide to Managing Advanced Server Licenses PATHWORKS for OpenVMS (Advanced Server) Installation and Configuration Guide PATHWORKS for OpenVMS (Advanced Server) Server Administrator's Guide PATHWORKS for OpenVMS (Advanced Server) Server Migration Guide Compaq PATHWORKS V6.1 for OpenVMS (Advanced Server) Release Notes
Porting Documentation	VAX to I64 Migrating an Application from OpenVMS VAX to OpenVMS I64 Alpha to I64 HP OpenVMS Alpha Guide to Upgrading Privileged-Code Applications HP OpenVMS Calling Standard HP OpenVMS MACRO Porting and User's Guide HP OpenVMS Migration Software for Alpha to Integrity Servers: Guide to Translating Images Porting Applications from HP OpenVMS Alpha to HP OpenVMS Industry Standard 64 for Integrity Servers VAX to Alpha A Comparison of System Management on OpenVMS AXP and OpenVMS VAX Creating an OpenVMS AXP Step 2 Device Driver From an OpenVMS VAX Device Driver Migrating an Application from OpenVMS VAX to OpenVMS Alpha Migrating an Environment from OpenVMS VAX to OpenVMS Alpha Migrating to an OpenVMS AXP System: Planning for Migration OpenVMS Migration Software for VAX to Alpha Systems: Translating Images Reliable Transaction Router C Application Programmer's Reference Manual

Reliable Transaction Router	Reliable Transaction Router C++ Foundation Classes Reliable Transaction Router Application Design Guide Reliable Transaction Router Getting Started Reliable Transaction Router Installation Guide HP Reliable Transaction Router Version 5.2 SPD 51.04.19 for OpenVMS Reliable Transaction Router System Manager's Manual
Secure Web Server for OpenVMS	Version 2.2-1 Release Notes Version 2.2-1 Installation and Configuration Guide CSWS PERL Version 2.1 Installation Guide and Release Notes Perl for OpenVMS Alpha Installation Guide and Release Notes Perl Version 5.8.6 for OpenVMS Installation Guide and Release Notes Version 2.2 Release Notes Version 2.2 Installation and Configuration Guide Version 2.1-1 Release Notes Version 2.1-1 Installation and Configuration Guide Version 2.1 Release Notes Version 2.1 Installation and Configuration Guide Version 2.0 Release Notes Version 2.0 Installation and Configuration Guide Version 1.3-1 Release Notes Version 1.3-1 Installation and Configuration Guide CSWS JAVA Version 3.2 Installation Guide and Release Notes CSWS JAVA Version 3.1 Installation Guide and Release Notes CSWS JAVA Version 3.0 Installation Guide and Release Notes CSWS PHP Version 2.0 Installation Guide and Release Notes CSWS PHP Version 1.3 Installation Guide and Release Notes CSWS PERL Version 1.1 Installation Guide and Release Notes Perl Version 5.6.1 ECO 3 Installation Guide and Release Notes Secure Web Server for OpenVMS Installation and Configuration Guide CSWS PHP for HP Secure Web Server for OpenVMS (based on Apache) Installation Guide and Release Notes CSWS JAVA for HP Secure Web Server for OpenVMS (based on Apache) Installation Guide and Release Notes CSWS JAVA for HP Secure Web Server for OpenVMS (based on Apache) Installation Guide and Release Notes CSWS PERL for HP Secure Web Server for OpenVMS (based on Apache) Installation Guide and Release Notes CSWS PERL for Compaq Secure Web Server for OpenVMS Alpha Installation Guide and Release Notes Perl for OpenVMS Installation Guide and Release Notes CSWS PERL Installation Guide and Release Notes Perl Version 5.6.1 Installation Guide and Release Notes
HP TP Desktop Connector V5.1	Read Before You Install: HP TP Desktop Connector for ACMS, V5.1 HP TP Desktop Connector Getting Started, V5.0 HP TP Desktop Connector for ACMS Installation Guide, V5.0 HP TP Desktop Connector for ACMS Gateway Management Guide, V5.0 HP TP Desktop Connector for ACMS Client Services Reference Manual, V5.0 HP TP Desktop Connector for ACMS Client Application Programming Guide, V5.0
	HP WBEM Services Data Sheets Computer System CIM provider Operating System CIM Provider Process and Process Statistics CIM Provider Internet Protocol CIM Provider V1.7-21 for OpenVMS V8.3-1H1 HP WBEM Providers Installation and Administrator's Guide HP WBEM Providers Release Notes HP WBEM Providers Data Sheets

WBEM Services for OpenVMS	CPU Instance Provider
	EMS Wrapper Provider
	Memory Instance Provider
	Environmental Instance Provider
	Firmware Revision Instance Provider
	Management Processor Instance Provider
	Enclosure Instance Provider
	Utilization Provider
	LAN Instance Provider
	LAN Indication Provider
	LAN Consolidated Status Provider
	VM Provider
	CSC Provider
	V2.2-3 for OpenVMS V8.4
	HP WBEM Providers Installation and Administrator's Guide
	HP WBEM Providers Release Notes
	HP WBEM Providers Data Sheets
	Same as above (V1.7-21 for OpenVMS V8.3-1H1)
	V2.2-5 for OpenVMS V8.4
	HP WBEM Providers Release Notes
	HP WBEM Providers Release Notes
Web Services Integration Toolkit for HP OpenVMS	Migrating to the Web Services Integration Toolkit from BridgeWorks
	Web Services Integration Toolkit for OpenVMS Installation Guide and Release Notes
	Web Services Integration Toolkit for OpenVMS Interface Definition File (IDL) Reference
	Web Services Integration Toolkit for OpenVMS Exceptions and Errors
	Web Services Integration Toolkit for OpenVMS Developer's Guide
	Web Services Integration Toolkit for OpenVMS API Reference Manual
HP X.25 Version 2.0 for OpenVMS	HP X.25 for OpenVMS Cover Letter
	HP X.25 for OpenVMS Release Notes
	HP X.25 for OpenVMS Release Notes
	HP X.25 for OpenVMS Configurator
	HP X.25 for OpenVMS Management Guide
	HP X.25 for OpenVMS Problem Solving Guide
	HP X.25 for OpenVMS Programming Guide
	HP X.25 for OpenVMS Programming Reference
	HP X.25 for OpenVMS Security Guide
	HP X.25 for OpenVMS Utilities Guide
DECnet/OSI for OpenVMS VAX WANDD Programming	
Secure Web Browser for OpenVMS	Secure Web Browser V1.1-12 for OpenVMS Alpha Installation Guide and Release Notes
	HP Secure Web Browser for OpenVMS Alpha (based on SeaMonkey) - Installation Guide and Release Notes
	HP Secure Web Browser for OpenVMS Integrity servers (based on SeaMonkey) - Installation Guide and Release Notes
	Secure Web Browser V1.1-12 for OpenVMS Integrity servers Installation Guide and Release Notes
HP Archive Backup System for OpenVMS	Read Before Installing HP Archive Backup System for OpenVMS V4.5
	HP Archive Backup System for OpenVMS Release Notes
	HP Archive Backup System for OpenVMS Installation Guide
	HP Archive Backup System for OpenVMS Guide to Operations
	HP Archive Backup System for OpenVMS Version 4.5 Release Notes
	ABS Version 4.5 Cover Letter
	HP Archive Backup System SPD 48.16.29 for OpenVMS, Version 4.4B
HP Archive Backup System for OpenVMS MDMS Reference Guide	
HP OpenVMS Common Internet File	HP OpenVMS CIFS Administrator's Guide
	HP OpenVMS CIFS Version 1.2 Migration Guide
	HP OpenVMS CIFS Version 1.2 ECO1 Administrator's Guide

System (CIFS)	HP OpenVMS CIFS ECO1 Release Notes
	HP OpenVMS Common Internet File System V1.2 SPD 82.42.04
	HP OpenVMS CIFS Release Notes
HP Disk File Optimizer for OpenVMS	Disk File Optimizer for OpenVMS, Installation Guide
	Disk File Optimizer for OpenVMS, Guide to Operations
HP Media Robot Utility for OpenVMS	MRU Guide to Installation, Connectivity, and Operation, V1.8A
	Media Robot Utility, Version 1.8A
	MRU Application Programming Interface Guide, V1.8A
	HP Hierarchical Storage Management SPD 46.38.24 for OpenVMS Version 4.3
	DATATRIEVE Version 7.3 for OpenVMS Alpha and Integrity Systems SPD 52.94.07
	HP Support for OpenVMS VAX, OpenVMS Alpha AXP and OpenVMS Layered Product Licenses on Emulators
	OpenVMS Tape Library Connectivity Strategy

OpenVMS Operating System (V8.4, V8.3-1H1, V8.3, V8.2-1, V8.2, V7.3-2, V7.3)

OpenVMS V8.4

HP OpenVMS Version 8.4 Cover Letter Updated
HP OpenVMS Version 8.4 New Features and Documentation Overview Updated
HP OpenVMS Version 8.4 Release Notes Updated
HP OpenVMS Version 8.4 Upgrade and Installation Manual Updated
COM, Registry, and Events for HP OpenVMS Developer's Guide
Compaq C Run-Time Library Utilities Reference Manual
Compaq Portable Mathematics Library
DECamds User's Guide
DEC Text Processing Utility Reference Manual
Extensible Versatile Editor Reference Manual
Guide to Creating OpenVMS Modular Procedures
Guide to the DEC Text Processing Utility
Guide to OpenVMS File Applications
Guide to the POSIX Threads Library(formerly titled: Guide to DECthreads)
Guidelines for OpenVMS Cluster Configurations Updated
HP C Run-Time Library Reference Manual for OpenVMS Systems Updated
HP Instant Capacity User's Guide for versions 8.x
HP Open Source Security for OpenVMS, Volume 1: Common Data Security Architecture
HP Open Source Security for OpenVMS, Volume 2: HP SSL for OpenVMS
HP Open Source Security for OpenVMS, Volume 3: Kerberos
HP OpenVMS Calling Standard
HP OpenVMS Command Definition, Librarian, and Message Utilities Manual
HP OpenVMS Cluster Systems Updated
HP OpenVMS DCL Dictionary Updated
HP OpenVMS DCL Dictionary Updated
HP OpenVMS Debugger Manual Updated
HP OpenVMS Delta/XDelta Debugger Manual
HP OpenVMS Guide to System Security Updated
HP OpenVMS I/O User's Reference Manual Updated
HP OpenVMS License Management Utility Manual Updated
HP OpenVMS Linker Utility Manual
HP OpenVMS MACRO Porting and User's Guide
HP OpenVMS Management Station Overview and Release Notes
HP OpenVMS Programming Concepts Manual
HP OpenVMS Programming Concepts Manual
HP OpenVMS RTL General Purpose (OTS\$) Manual
HP OpenVMS RTL Library (LIB\$) Manual
HP OpenVMS System Analysis Tools Manual Updated

HP OpenVMS System Management Utilities Reference Manual Updated
HP OpenVMS System Management Utilities Reference Manual Updated
HP OpenVMS System Manager's Manual, Volume 1: Essentials
HP OpenVMS System Manager's Manual, Volume 2: Tuning, Monitoring, and Complex Systems
HP OpenVMS System Services Reference Manual Updated
HP OpenVMS System Services Reference Manual Updated
HP Pay per use (PPU) User's Guide for versions 8.x
HP POLYCENTER Software Installation Utility Developer's Guide
HP Volume Shadowing for OpenVMS Updated
HP OpenVMS Utility Routines Manual Updated
OpenVMS Alpha Guide to Upgrading Privileged-Code Applications
OpenVMS Alpha Partitioning and Galaxy Guide (formerly titled: OpenVMS Alpha Galaxy Guide)
OpenVMS Performance Management
OpenVMS Record Management Services Reference Manual
OpenVMS Record Management Utilities Reference Manual
OpenVMS RTL Screen Management (SMG\$) Manual
OpenVMS RTL String Manipulation (STR\$) Manual
OpenVMS System Messages: Companion Guide for Help Message Users
OpenVMS User's Manual
Porting Applications from HP OpenVMS Alpha to HP OpenVMS Industry Standard 64 for Integrity Servers
HP OpenVMS Version 8.4 for Integrity and Alpha servers SPD 82.35.14
HP Operating Environments for OpenVMS version 8.4 for Integrity servers SPD 82.34.22
RMS Journaling for OpenVMS
Cover Letter for HP OpenVMS Version 8.3-1H1 for Integrity Servers New
HP OpenVMS Version 8.3-1H1 for Integrity Servers New Features and Release Notes Updated
HP OpenVMS Versions 8.3-1H1 for Integrity Servers Upgrade and Installation Manual New
HP OpenVMS License Management Utility Manual Updated
Version 8.3
HP OpenVMS Version 8.3 Cover Letter
HP OpenVMS Version 8.3 New Features and Documentation Overview
HP OpenVMS Version 8.3 Release Notes
HP OpenVMS Version 8.3 Upgrade and Installation Manual
Availability Manager User's Guide (Updated in V8.3)
COM, Registry, and Events for HP OpenVMS Developer's Guide
Compaq C Run-Time Library Utilities Reference Manual
Compaq Portable Mathematics Library
DECamsd User's Guide

OpenVMS V8.3-1H1,V8.3

DEC Text Processing Utility Reference Manual
Extensible Versatile Editor Reference Manual
Guide to Creating OpenVMS Modular Procedures
Guide to the DEC Text Processing Utility
Guide to OpenVMS File Applications
Guide to the POSIX Threads Library
Guidelines for OpenVMS Cluster Configurations
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For additional documents, visit the Availability Manager Web site.
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Guide to the DEC Text Processing Utility
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[OpenVMS VAX Card Reader, Line Printer, and LPA11-K I/O User's Reference Manual](#)

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[OpenVMS VAX Device Support Reference Manual](#)

[OpenVMS Wide Area Network I/O User's Reference Manual](#)

[POLYCENTER Software Installation Utility User's Guide](#)

[Standard TECO Text Editor and Corrector for the VAX, PDP-11, PDP-10, and PDP-8](#)

[VMS Upgrade and Installation Supplement: VAX-11/750](#)

[VMS Upgrade and Installation Supplement: VAX-11/780, 785](#)

[Creating an OpenVMS AXP Step 2 Device Driver from an OpenVMS VAX Device Driver](#)

OpenVMS Freeware

A2PS V4.0	Convert text to PostScript. Runs on OpenVMS VAX, OpenVMS Alpha, and OpenVMS IA64.
ADA-BOOKREADER-DOCS	Ada programming documentation in Bookreader Format.
ADV_PIPE V1.1	A PIPE command for VMS (emulates UNIX pipes). Runs on both OpenVMS VAX and OpenVMS Alpha.
ADV_RUNUSR V1.0	A RUN/USER command with other enhancements. Runs on both OpenVMS VAX and OpenVMS Alpha.
ANTIWORD V0.37	converts it into a Postscript file. Runs on OpenVMS VAX and OpenVMS Alpha.
APRT	System Memory Page Protection Tool.Lee Gleason's program to change protection on pages in system space (VMS).
ARCHIE v1.4.1	An archie client for VMS (VAX and AXP).Will compile under OpenVMS VAX and OpenVMS AXP.Tested with MultiNet and UCX.
BAT V1.10	Submit multiple commands to a batch queue from DCL.
BITNET	that captures broadcast messages and simply outputs them to SYS\$OUTPUT. LPUNCH is a program that converts files in listserv punch format. It accepts a list of wildcarded filenames, and converts the files that are in lpunch format.
BLISS-ARTICLE-PS	ACM Article: BLISS: A Language for Systems Programming.
BLISS-INTRO	Introduction to BLISS" by Matthew D. Madison.
BLISS	compilers and Bliss documentation, with software installation kits for Bliss compilers for OpenVMS Alpha, OpenVMS Integrity servers, and OpenVMS VAX.
BLOCKING	processes.
BOOKMAN	Processes DECW\$BOOKSHELF Files. This program allows one to peruse the DECW\$BOOKSHELF file tree and to build a list of DECW\$BOOK files to be copied. There is also a .COM file to do the copying.
BLOCKING	process is identified by a single letter (A thru Z). At most one of these processes is "current". What you type is sent to that process, and output from that process is sent to your terminal. A process which is not current can run but cannot do output. (Output is saved until you make that process current). You usually switch between processes by typing "control-" followed by the identifying letter.
CLRREF V1.0.0	Clear the Device Reference Count.
CLUE\$SDA VAX	CLUE (Crash Log Utility Extractor) for OpenVMS VAX.
CMEM V1.0	C Memory Allocation Debugger.
CMPDIR V1.2-1	Compare two directories like DCL DIFFERENCES.
COMPARE_DIR	Compare the contents of two directories.
CRON	VMS port of CRON utility.
CRS	A Norton Commander-style directory browser for VMS.
CSVSEARCH V2.4-06	Search comma-separated-variable (CSV) data files.
CTRL-VERIFY V2	Toggle DCL command procedure verification on and off. CTRL-Verify provides the capability to enable and disable DCL command file verification by typing a CTRL-V while the procedure is executing.
CVTLIS	Convert Compiler Listings back to Source Code. CVTLIS converts .LIS files from the VMS Source Listings on CD back to the appropriate source files.

DATE	Date Tools. Show information about date (day of week, absolute, Julian day, week #).
DBS-BUILD_LIBRARIES	RTL used by DBS tools. This package contains the results of building the DBS-SYSRTL package on the three architectures supported by VMS.
DBS-ETHERWATCH	Ethernet monitor. DBS-ETHERWATCH is an ethernet "sniffer" allowing packet selection based on address and/or protocol. Record and playback are available.
DBS-LATWATCH X5-005	Local Area Transport (LAT) Protocol Network Sniffer. This package contains LATWATCH X5-005, an Ethernet "sniffer" program which allows selection of LAT packets based on addresses and LAT message types. Packet data can be displayed in a number of formats. Options also exist to record and playback data.
DBS-NETUTILS V1.0	Utilities for Ethernet Network Monitoring. This package contains four utilities that can be used to monitor the ethernet to isolate problems or just to see what is going on.
DBS-NULLSYMBIONT	NLA0:symbiont. DBS-NULLSYMBIONT is a symbiont that will use the null device (NLA0:) (or a dummy LTA device) and doesn't actually do any processing of jobs in the queue but just removes them from the queue and honours the /DELETE qualfier etc.
DBS-ODSM V1.0	Online Disk Space Monitor.
DBS-PATCH V2.0	file and disk patch utility. DBS-PATCH contains a file and disk patch utility. These programs allow you to change the contents of any byte in a file or disk.
DBS-SCANLOCKS	Find lock information. This package contains three utilites for retrieving information about resource locks.
DBS-SYSRTL V1-10	RTL used by DBS tools. DBS-SYSRTL contains the source code and build procedures for the run-time library used by the various DBS packages. The source is in BASIC, C and MACRO.
DBS-TAPEUTILS V3.0	tape dump and tape exerciser tools. DBS-TAPEUTILS contains a tape dump program, a tape eraser and a tape exerciser program. The tape dump program can be used to examine or copy the contents of a tape.
DCL-EXPAND V5.0	Self-Expanding DCL; lists; mail merges. EXPAND is a utility for generating repetitive scripts, called expansions. EXPAND generates an expansion by applying a list to a template. This works much the same way as a mail merge facility generates a mailing by applying a mailing list to a form letter.
DCLCOMPLETE	Automatically complete filenames in DCL commands on VAX.
DCLDBG	Debugger for DCL command procedures.
DCLKEYS	Routines to define DCL keys from a program. These routines can be called from any VMS language to work with DCL key definitions. There were written to provide a way to perform the DCL command DEFINE/KEY from a program, since there is no LIB\$DEFINE_KEY routine.
DCL_CHECK V3.4	Charlie Hammond's unsupported DCL checker. The DCL_CHECK procedure detects a variety of DCL coding errors and displays diagnostic messages that allow you to correct the problems.
DCL_DATABASE	A DCL Database.
DCL_DIET V1.1	Charlie Hammond's unsupported DCL dieter. This procedure "DIETs" a command procedure file -- compressing it by removing comments and unnecessary space. This saves file space and improves execution time. It may also remove comments that you don't want users to see.
DCL_RECALL	Patch DCL.EXE to allow more than 20 commands to be REC.

DDCLIENT	A Perl client for updating DynDNS information. This tool allows OpenVMS hosts to maintain DynDNS IP DNS routing.
DECNET	DECnet Programming Examples. This package contains some examples of using the QIO interface to NETACP to retrieve information. Included is a short program that displays a list of known nodes (similar to NCP SHOW KNOWN NODES), and one that displays a list of links. A commented version of NFBDEF.H is included.
DECW_COOKBOOK	DECwindows Documentation.
DELIVER	Programmable Message Delivery System for VMS MAIL.
DELTREE V1.2	Directory Tree Deletion.
DFIND V2.0	Assign logical names to a wildcarded file spec.
DIRUTL	Directory PUSHD POPD and PEEKD Navigation. The pushd program saves the current working device/directory on the directory stack, and then changes the default to the newly specified device/directory specification. The popd program replaces the current working directory with top entry on the stack. The peekd program displays the directory entries in order from the top of the stack. Each entry is displayed with the corresponding entry number.
DISKBLOCK V6.2	DISKBLOCK is a low level disk block editing tool. Editor amd performance tester for ODS and Foreign disks.
DISK_TEST	Time disk operations with precision.
DISM32	OpenVMS VAX Disassembler. DISM32 is an application program that runs on an OpenVMS VAX system, and that translates an executable, shareable, or system image that was created by the OpenVMS VAX LINKER utility into symbolic Macro32 source files.
DISPATCH V1.0	Sample code for writing privileged shareable images in.
DIX V5.0	A program to read/modify records in any RMS (seq/relat).
DRLOGIN V3.2	DECnet rlogin-like Remote Login. DRLOGIN allows remote interactive login over DECnet, providing similar functionality to the RLOGIN TCP/IP utility.
DTR_RDB	Datatrieve Rdb and System Management procedures.
DVIDVI V0.5	DVI file repagination tool.
DX V2.5	Directory eXtension. DX is a VAX/VMS utility that performs many file operations on a VT100 or upper type terminal. It can be used to delete, edit, or rename files in the current directory. DX can also create a hardcopy listing of all the files displayed.
ED V1.5.7	Portable EDT Editor. An EDT-lookalike editor for multiple platforms (VMS, UNIX, DOS).
EPM V2.0	Extensible Performance Monitoring - Monitor disk I/Os.
EPYT	Backwards TYPE/PAGE (starts at the end of a file).
ESET	Set various attributes of a process that standard DCL.
ETHERMON	Ethernet line activity monitor.
EXECSYMB	Executive Symbiont. EXECSYMB is a VMS server symbiont that feeds queue entry information to detached processes that are designed to execute specific operations (hence the name, Executive Symbiont). It is multi-threaded (it can handle up to 32 queues at the same time); it requires one detached process and one mailbox for each queue, plus one mailbox for status information and one for detecting process exit status for each copy of EXECSYMB (i.e. one per 32 queues).

EXTENDED PRECISION DCL MATH	DCL extended-precision multiply and divide strings in any radix.
EXTRACT V1.6	Extract records from VMS file.
EZSAVE	lightweight persistent objects for C++.
FAL	An introduction to DECnet FAL Logging. A document discussing FAL\$LOG and FAL\$OUTPUT logical names, and the available DECnet File Access Listener (FAL) logging support.
FDEL V2.0	Fast File Delete for OpenVMS Alpha.
FILE	Utility for modifying file attributes.
FILES_INFO V2.0-000	Shows Processes Holding a File Open. FILES_INFO accepts a filename on the DCL command line and displays all the processes that have the file open for reading/writing.
FIND	Find files on a disk by searching the file headers.
FLIST V2.6-3	File and Directory Manager.
FLORIAN	A File UNDELETE Utility for OpenVMS.
FRAGMENT	Display the fragmentation of the free space on a disk.
FREE V2.2	Display disk usage and free space summaries for mounted disks.
FREE_RSN	Attempts to Unwedge a Process in Mutex Wait (MWAIT). FREE_RSN is a MACRO-32 program that will try to free a process that is in an MWAIT state. Programs enter the MWAIT state for many reasons, including quota depletions. FREE_RSN will attempt to correct some of these problems by granting more quota to processes waiting on quotas.
FTP_MIRROR V1.0-5	Manage an FTP Mirror. FTP_MIRROR is a DCL command procedure that can be used to set up a local "mirror" of a remote FTP site. It automatically detects when new or updated files are placed on the remote system and will FTP them to the local system.
FTP_NEW	Tracks an FTP Site for File Changes. FTP_NEW is a command procedure to check an ftp directory or tree for new, changed, or removed files.
FTS	The Functional Testing Suite (FTS) is a do-everything utility for monitoring and controlling a VMS system.
GBLSEC_SDA	An SDA extension to display info about a global section.
GETCMD V4.0	Displays a DCL Command Recall Buffer.
GETLKI	displays information retrieved from SYS\$GETLKI. GETCMD.B32 is a BLISS-32 program that will display the DCL command recall buffer for any interactive process on the system.
GETUAI	Extracts SYSUAF information into DCL Symbols. GETUAI is a utility that allows the user to obtain OpenVMS User Authorization Information, from the SYS\$SYSTEM:SYSUAF.DAT file, and place the information into a DCL symbol.
GLOGIN	Assume Another User's Login Identity. This program allows a privileged user to obtain an interactive session on behalf of another user. The privileged user inherits the complete environment of the target user including DCL symbols, PROCESS/JOB/GROUP logical names, process quotas, privileges and rights identifiers as well as any other stuff that is set up in the target user's LOGIN.COM.

GNM V2.4-000	Generate Messages and SDML documentation. GNM is a compiler that permits you to generate both MESSAGE files (.MSG files) and DOCUMENT SDML files containing the error messages and recovery text. From the MESSAGE compiler, you can also get the SDL output (MESSAGE/SDL), and from that the language-specific include files containing the message definitions.
GRAB	An Enhanced SEARCH Utility. The main features of interest are: o Search using wildcard search strings (* and %) using /WILDCARD o Extract windows or sections by search strings using /CUT=(s1[,s2]) o Incremental processing using /CONTEXT and /LIMIT o Scripting support using /SAVE to save information in DCL symbols.
GTM	GT.M database and tools for OpenVMS (MUMPS).
HEADERS	Header files used by Joe Meadows' C Code.
HELP\$ROUTINE	Fortran API for Help Library Access.
HEXIFY	Convert to or from HEX (printable ASCII) file.
HGFTP	FTP client and server.
HGLOGIN	Assume Another User's Login Identity.
HGSD	Hunter's SD.
HINDEX V1.0	Search an OpenVMS HELP library for keywords.
HOFFMAN_EXAMPLES	Various C Source Code Examples.
HPLASER	VMS print symbiont for HPE LaserJet printers.
HPWD	Portable C OpenVMS Password Hash (Purdy).
HTDIG	Web search engine.
HTTP_SERVER	A DECthreads-based HTTP Web Server.
ICALC V2.2V	A portable infix calculator.
ICALCV	A portable Infix Calculator.
IDEZR	Programs to reset SCSI bus devices and other similar things.
IMGID V1.01-001	Display image ident information.
INFOSERVER	InfoServer Software.
INTERNET-MENU V4.1A	DCL-based menu for access to Internet stuff.
INVISIBLE V1.0.1	Hides Interactive Process from SHOW USERS.
ITEMLIST	OpenVMS Itemlist manipulation routines.
JED V0.86	A portable EMACS/EDT-like editor
JOBLOG V1.5	Log terminal sessions using pseudo-terminals.
JOB_DAEMON V2.01	Watch disks for files to trigger batch jobs.
JUMP V5.0	Login as a different user without a password.
KEYS	Process-Permanent Action-key routines. The KEY utility, and its associated programs allow you to write routines that will run whenever a selected control key is pressed on your terminal, both in and out of images and command procedures. Think of it as a terminate and stay resident program for VAXen.
KFE	Accessing Known Files via KFE Data Structures.
KILL V1.1	Cluster-Distributed Process Deletion.
LABELS	Tool to Resequence Macro32 Local Labels.
LASER	A PostScript printer symbiont for VMS.
LAST V3.0	Generate Last-Login Reports. The LAST program provides information on when the last time a user logged in, what group they are from and how many days it has been.

LASTCMD V1.01-002	Grab and Display Last Terminal Command. LASTCMD allows a suitably privileged user (one with CMKRNL) peek at the typeahead buffer of another terminal. This allows one to grab another's last command no matter in what environment the target user may be.
LAVDRIVER	Load-Averaging Device Driver. LCK is a utility that allows to use VMS locks from DCL. It features a new DCL command that can request or release a lock on an arbitrary named resource.
LCK	Use the VMS lock manager from DCL sans programming.
LD	Logical Disk Driver. LD allows you to create a logical (software emulated) disk device of a user-specified sizes using backing storage from a disk file; it is a form of partitioning. These logical disks can then be used for various purposes, including as staging areas required as part of mastering CD or DVD media on OpenVMS; as part of using recording tools such as CDRECORD.
LIBSEARCH	A SEARCH command for OpenVMS libraries.
LIST V2.4-A1	Maintain user information associated with a username.
LISTEN	Listen to LAN and make a list of names and addresses.
LNMLOOKUP V1.1	An SDA extension to display logical names.
LNMTOOL	System service to look up logical names.
LN_SDA	Motif-based Logical Name Browsing Tool.
LOGGER	Log terminal sessions using the FT pseudo-terminal dri.
LOGIN	Fast LOGIN.COM for OpenVMS.
LOGINOUT-HOOKS	Postscript LOGINOUT-HOOKS Documentation.
LOOK V6.0	Fast File Viewer for OpenVMS.
LOOP V2.17	Execute a Command Repeatedly or Against Multiple Files.
LWW-DECWDISP	Display Info Similar to SHOW DISPLAY.
LWW-DIRSORT V1.2-4	DIRECTORY command with sorting.
LWW-DORMANT V1.3-4	Display SYSUAF info about inactive users.
LWW-FUNCT-KEYS	Programs to Display Keymaps and to Define Function Key.
LWW-MODIFY-ATTRIB	Modify File Attributes.
LWW-NEXT-UIC V1.3-5	Report First Free Member in a UIC Group.
LWW-PERSONA-DECW	Log in as another user (a rewrite of GLOGIN).
LWW-PERSONA	Create DECterm under another user.
LWW-REMTREE V1.2-3	Deletes all subdirectories and files in a tree.
LWW-REVERT V1.2-2	Changes file version numbers of files in a directory.
LWW-USERINFO V1.1-13	Display user information from SYSUAF.
LWW-UTC V1.2	Motif UTC clock.
LWW-VIEWXBM V1.2-8	Motif XBM Bitmap Viewer.
LWW-XMEASURE V1.2-2	Measures Motif-based Windows.
MAIL	Joe Meadows's Callable MAIL Examples.
MAILCOUNT V1.3	Match MAIL\$.MAI external files with MAIL.MAI pointers.
MAILSHR_MX_PATCH	Patch VMS Mail to Eliminate Need for Internet Transport.
MAILSYM V2.0	Symbiont for mailing files to yourself via PRINT.
MAILUAF V4.2	Manages the system mail profile database VMSMAIL_PROFI.
MAILUAF_RLB	View the system mail profile database VMSMAIL_PROFILE.
MAKE-PERRY	Make tool for OpenVMS VAX and OpenVMS AXP.
MBMON	MBMON is a utility which captures messages as they are written to a mailbox and displays them and/or records them to a file for later display.

MBOX V1.6	Peek at mailbox messages without removing them.
MBU V1.6	MBU is a utility for VMS mailboxes. MBU can create mailboxes, delete mailboxes, read and write mailbox messages, and display and change the characteristics of mailboxes. It can also view messages in a mailbox without reading them.
MD5	RSA Data Security MD5 message-digest algorithm. MD5 is a tool used to verify file downloads and for checking for file integrity in the event of accidental or intentional file modifications.
MDMLIB	Library of routines used by MadGoat Software products.
MENU	Joe Meadows's MENU utility.
MFTU V1.15	Mail File Transfer Utility for Text and Data Files.
MGBOOK V1.1	Extracts and Displays Text from Bookreader Files.
MGPCX V2.2	MadGoat PC Exchange: Microsoft Windows FAT Disk Tool.
MG_FINGER V1.3	MadGoat FINGER client and server for VMS.
MLSEARCH V3.1	Search VMS MAIL files and folders for strings.
MLU V2.1	Media Loader Utility (MLU) V2.1.
MODIFY	Tool to Modify and Maintain ASCII text files (replace).
MONMODE	DCL equivalent of MONITOR MODES/SMP.
MORE V1.1-2	More and less tools for OpenVMS.
MOSAIC V4.0	The Mosaic Web Browser.
MOST V4.23	More and less file-paging programs for UNIX and VMS.
MP V2.4-6	Postscript Pretty Printer.
MPEG_PLAY V2.3	An MPEG (Movie File) Viewer for OpenVMS.
MTX V1.1	SCSI Tape Medium Changer Control Program.
MWAIT	Process Mutex-Wait Diagnostic Utility.
MX-DIGEST	Create digests for Message Exchange (MX) mailing lists.
MXSUM	Generate summaries from Message Exchange (MX) files.
MYSQL_JFP V4.1-14	MySQL database for OpenVMS.
NBS V3.1	Synchronize System Time With NBS (NIST) Atomic Clock.
NDS_VMSSERV	Nick de Smith's DCL version of VMSSERV.
NETLIB V2.4	Library of Routines for TCP/IP Programming.
NEWSLETTER	TeX macros for producing newsletters.
NEWSRDR	NNTP News Reader Client for OpenVMS.
NOPE V1.2-1	Simulate a PURGE to see what would be deleted.
NOTICE V2.2	Display Notices at Login Time.
NSQUERY V3.0-3	Issue a name service query.
OBJECT	Display OpenVMS VAX Object File Details.
ODS-2-READER-FOR-OSF-1	Portable ODS-2 file structure reader.
ODS-2-READER	Read ODS-2 copy files on OSF/1 Unix.
ODS2 V1.3	Portable ODS-2 file structure reader.
OMI V2.0	Oscar's (DCL) Menu Interface.
OSCOMMERCE	Php Web eCommerce Storefront.
PACKASM V2.3	PACKASM (PACKage ASseMbler) is an OpenVMS utility for extracting and assembling packages from VMSmail and USENET news.
PAKGEN	Generate PAKs and License Software Applications.
PARALYZE V1.2	Terminal Lock and Automatic Logout Tool.
PASLIB	Library of Pascal Declarations for OpenVMS APIs.

PASSWORD V1.0-2	Save modify and restore user passwords.
PBM_TEX	Converts Public Bitmap (.PBM) files to TeX fonts.
PCAL V4.5	Postscript-format Calendar Generator.
PC_DCL V0.1	A DCL-like command interpreter for Windows PCs.
PDUMP	Interprocess Forced Process Dump Tool.
PERF_METER V2.5	Motif-based graphical performance meter for OpenVMS.
PERMANENT	Define permanent DCL symbols.
PFM	Monitor system performance and alert anomalies.
PF_SDA	An SDA extension to determine which processes are using.
PHPBB-2_0_21	Php based web bulletin board.
PHPBBLOG	Php based web blog.
PINE V3.91-2	Manage incoming mail via DELIVER.
POSTMAN V2.9	Point-to-Point Protocol Daemon for OpenVMS.
PPPD_KIT	Print Queue Manager for Users and Operators. PQM is a screen-based utility which presents a user-friendly interface to the OpenVMS print queue system. It is designed for ease-of-use by users and operators who do not wish to learn, or have no direct access to, the DCL commands which are relevant to printer queues.
PQM	Grant privileges to another process.
PRCPRV	Allow non-privileged execution of DCL procedures with.
PRIVDCL V2.0	Probe is a network monitoring tool which allows the real-time capture and/or graphical display of Ethernet traffic activity and the tabular formatting of previously collected frame and/or data.
PROBE	Qt-based UI for SCADA applications tool.
PROCESSVIEW	Menu-based SYSUAF Management Tool.
PROFILE	Manage Project Access.
PROJECT	Display process status for all or selected processes.
PSTAT V2.1	Extract Text from Postscript.
PSTOTEXT	Angus Duggan's PostScript Utilities.
PSUTILS	An SDA extension to display info about a waiting process.
PWAIT_SDA	RAM Disk Driver for OpenVMS VAX.
RAMDRIVER V2.016	Display Cardfiler Cards outside DECwindows.
RCARD V1.5	A simple reminder utility for OpenVMS.
REMIND-DCL	Simple reminder system written in DCL.
REMIND V3.0	Execute DCL commands on remote DECnet nodes.
REMOTE V2.1	Apply DCL command(s) to multiple files.
RF	Comprehensive interface to RMS for High-Level Languages (HLLs).
RMS_INTERFACE	File system additions for OpenVMS.
SAFETY V1.5	Windows File and Print Services.
SAMBA V2.2.7A	DCL Command Output Scanning Facility. Scan for exact text in ensuing output of DCL and foreign activated commands.
SCAN4	Search SYSUAF for accounts matching specified criteria.
SCANUAF V2.0	Load the output of a DCL command into an editor.
SCREEN V3.01	A manual for writing SDA callout extensions.
SDA_EXTENSIONS_DOC	Data Structure/Interface Definition Language. The SDL tool compiles a data definition language module into the specified target language; the tool converts a language-independent definition file (an SDL input file) into a language-dependent definition file.
SDL V2.3-1	Jnet-style message SEND tool.

SEND V1.1	TeX Macros for Presentation Session Notes.
SESSION NOTES	Per-user or per-login product setup manager.
SETUP	Become Another User.
SETUSER V007	Display or Modify Image DEBUG or Traceback Settings.
SET_EXE	Set the process name for any process.
SET_PRCNAM V5.1	Screen-oriented interface to OpenVMS HELP.
SHELP	Cluster-wide Graphical SHOW USERS. Provides graphical display of users across the cluster.
SHOWCUSERS	Subroutines to allow sharing of COMMON PSECTs.
SHRCOMMON	Enhanced SHOW SYSTEM-like display.
SHS V1.1	Converts SIXEL output to HPE LaserJet graphics.
SIXEL_PRINT	DECnet-Plus Show Known Links display. Show Known Links displays the connection IDs in DECnet/Plus env.
SKL V1.0	Maintain a slave subprocess to execute background command.
SLAVE V3.01-002	Logical Name Searchlist Modification Utility.
SLMOD	UN*X-like more command for DCL command output.
SMORE V1.2-001	TCP/IP product-independent BSD socket library.
SOCKETSHR V0.9D	An OpenVMS Spell-Check Tool.
SPELL V2.3-1	File splitting and joining tool.
SPLOIN V1.79	An OpenVMS version of the POP3 server based on RFC1939 and RFC2449.
SPOP3_SRV	JDBC-based graphical SQL client. SQuirreL SQL Client is a graphical Java program that will allow you to view the structure of a JDBC compliant database, browse the data in tables, issue SQL commands, etc.
SQUIRREL_SQL	Joe Meadows's monitor/finger/whatever.
STATUS	Dump VAX STB Symbol Table Files.
STB	Search for Printable Characters Within a File.
STRINGS V5.10	Monitor control and manage terminal sessions (SUPERVIS).
SUPERVISOR V5.4d	Multi-session windowing terminal application for OpenV.
SWIM	Web page indexing tool. SWISH-E is a fast, powerful, flexible, free, and easy to use system for indexing collections of Web pages or other files.
SWISH-E_JFP V2.4.3	Extended Switch SD SET DEFAULT replacement. Extended Switch is a VMS utility that replaces the DCL command SET DEFAULT. It provides all of the functionality of the original command as well as several enhancements and a greatly simplified user interface.
SWITCH V4.5-1	Sets Deletes and Shows Symbols across Processes. SYMBOL provides the capability to define, display and delete DCL symbols in the context of any process in a VMScluster.
SYMBOL V3.4	Extract symbols from Object (OBJ) and Image (EXE).
SYMBOLS V2.0	Same as SYSMAN ALF -- only better.
SYSALF	OpenVMS port of syslogd and logger.
SYSLOGD	Generates textual- and HTML configuration report.SYSTEM_REPORT analyzes the local node/cluster and creates two configuration reports (.TXT, .HTML).
SYSTEM REPORT V1.4-10	Tru64 COLLECT data to T4 format.This utility will read a log file created by the Tru64 Unix "collect" utility, which collects system performance information, and convert it to a CSV (comma separated value) text file which is compatible with T4 performance data collection utilities.

T4\$UNIX_COLLECT	Using DCL to do time accumulations for a routine.
TACC	Performs a Variation of TYPE/TAIL on a File.
TAIL	Fortran routines to manipulate tapes.
TAPE	TCP/IP Print Symbiont for OpenVMS.
TCPIPSYM	Periodic Terminal Usage Statistics.
TERMINALS	(VAX and Alpha) Disk exerciser and read-performance measurement tool. TestDev issues a specified number of read IO's to a disk and computes the average data access time and related statistics of the collected sample. It can be used to check the operation and performance of block-oriented IO caching products or as a benchmark between different physical devices.
TESTDEV	Turing Machine Interpreter and Debugger.
TM	Image Measurement and Analysis Tool. Tnimage is an image analysis program oriented toward scientific and technical applications. It has been extensively used by molecular biologists, forensic pathologists, biochemists, physicists, and others to analyze images. It is also useful for general image viewing and editing. The program has an easy to use, menu-driven interface based on Motif.
TNIMAGE-3 5 2-VMS	Enhanced SET DEFAULT program.
TO	DEC C source code example for calling TPU.
TPU-C-EXAMPLE	lib\$search - a C routine to simply calling \$SEARCH.
TRF-LIB\$search	File processor similar to the ALL-IN-1 utility.
TRIM	Communicate with DECserver terminal servers.
TSCON V4.1b	High-performance 4GL for OpenVMS VAX/AXP systems.
TTI_INTOUCH	Locks OpenVMS VAX Images into Memory. Turbo is intended to improve the performance of frequently activated images by locking their pages into system memory.
TURBO	Disk Striping Driver (RAID) for OpenVMS VAX.
VAX_STRIPE_DRIVER	Virtual disk driver for OpenVMS Alpha.
VDD64	Virtual Disk drivers for OpenVMS VAX.
VDS_VAX	Extract .CLD definitions of DCL verbs. VERB is a utility that permits extraction and examination of DCL verb definitions into CLD modules. These CLD modules can then be modified and reloaded back into the command tables, if desired.
VERB	Display version info for OpenVMS VAX images.
VERSION V2.4-1	Motif-based file viewer/browser.
VIEWFILE V1.2-2	VI-LIKE-EMACS text editor. vile is a text editor which is extremely compatible with vi in terms of "finger feel". In addition, it has extended capabilities in many areas, notably multi-file editing and viewing, key rebinding, and real X window system support.
VILE V9.5	Enable/disable DISCONNECT setting on terminal template.
VIRTUAL V1.2	The OpenVMS Frequently Asked Questions (FAQ).
VMSFAQ	Read and Write Unix TAR archives (with ODS-5 support).
VMSTAR V3.4-1	Tape Copy that can Ignores Tape Errors.
VMSTPCE	VNCviewer for OpenVMS VAX and Alpha.
VNC333R1VMS011	Visual Queue Manager for OpenVMS.
VQM V3.1	OpenVMS File Manager for VT-series terminals. VTfm is a Norton Commander style file manager for Digital VT-series terminals or terminal emulators which can emulate such terminals (PowerTerm, for example). VTfm works under OpenVMS on VAX, Alpha and IA64 processors.

VTFM	VT100/VT220 Terminal/emulator test program. VTTEST tests the compatibility (or demonstrates the non-compatibility) of so-called "VT100-compatible" terminals. This is a new version using a configure script, in ANSI C, with tests for ISO 6429 color, VT220, VT420, and xterm extensions. VTTEST has been tested on several UNIX platforms as well as VAX/VMS.
VTTEST-20051020	An Idle Terminal Monitor and Timeout/Logout Tool.
WATCHER	Python Web Development Suite. Webware for Python is a suite of Python packages and tools for developing object-oriented, web-based applications. The suite uses well known design patterns and includes a fast Application Server, Servlets, Python Server Pages (PSP), Object-Relational Mapping, Task Scheduling, Session Management, and many other features. Webware is very modular and easily extended.
WEBWARE_JFP V0.9	Ethernet monitor for OpenVMS.
XE V2.08	Zero Device Error Counts. This program zeros-out the device error count stored in the UCB for a particular device. This is useful when you wish reset this value without booting the machine.
ZDEC V1.2	Menu Utility. ZMENU is a utility designed to display a menu from within a command procedure, to select a menu item based on a user's instructions, and to communicate the user's selection to the procedure so that it can perform further processing based on which item was selected.
ZMENU	Rahul Desi's ZOO V2.10 archive program.
ZOO210	Serve tape drives over DECnet.
ZT	

Support and other resources

Accessing Hewlett Packard Enterprise Support

- For live assistance, go to the Contact Hewlett Packard Enterprise Worldwide website:
<http://www.hpe.com/assistance>
- To access documentation and support services, go to the Hewlett Packard Enterprise Support Center website:
<http://www.hpe.com/support/hpesc>

Information to collect

- Technical support registration number (if applicable)
- Product name, model or version, and serial number
- Operating system name and version
- Firmware version
- Error messages
- Product-specific reports and logs
- Add-on products or components
- Third-party products or components

Accessing updates

- Some software products provide a mechanism for accessing software updates through the product interface. Review your product documentation to identify the recommended software update method.
- To download product updates:
Hewlett Packard Enterprise Support Center
www.hpe.com/support/hpesc
Hewlett Packard Enterprise Support Center: Software downloads
www.hpe.com/support/downloads
Software Depot
www.hpe.com/support/softwaredepot
- To subscribe to eNewsletters and alerts:
www.hpe.com/support/e-updates
- To view and update your entitlements, and to link your contracts and warranties with your profile, go to the Hewlett Packard Enterprise Support Center **More Information on Access to Support Materials** page:
www.hpe.com/support/AccessToSupportMaterials

! **IMPORTANT:** Access to some updates might require product entitlement when accessed through the Hewlett Packard Enterprise Support Center. You must have an HPE Passport set up with relevant entitlements.

Customer self repair

Hewlett Packard Enterprise customer self repair (CSR) programs allow you to repair your product. If a CSR part needs to be replaced, it will be shipped directly to you so that you can install it at your convenience. Some parts do not qualify for CSR. Your Hewlett Packard Enterprise authorized service provider will determine whether a repair can be accomplished by CSR.

For more information about CSR, contact your local service provider or go to the CSR website:

<http://www.hpe.com/support/selfrepair>

Remote support

Remote support is available with supported devices as part of your warranty or contractual support agreement. It provides intelligent event diagnosis, and automatic, secure submission of hardware event notifications to Hewlett Packard Enterprise, which will initiate a fast and accurate resolution based on your product's service level. Hewlett Packard Enterprise strongly recommends that you register your device for remote support.

If your product includes additional remote support details, use search to locate that information.

Remote support and Proactive Care information

HPE Get Connected

www.hpe.com/services/getconnected

HPE Proactive Care services

www.hpe.com/services/proactivecare

HPE Proactive Care service: Supported products list

www.hpe.com/services/proactivecaresupportedproducts

HPE Proactive Care advanced service: Supported products list

www.hpe.com/services/proactivecareadvancedsupportedproducts

Proactive Care customer information

Proactive Care central

www.hpe.com/services/proactivecarecentral

Proactive Care service activation

www.hpe.com/services/proactivecarecentralgetstarted

Warranty information

To view the warranty for your product, see the *Safety and Compliance Information for Server, Storage, Power, Networking, and Rack Products* document, available at the Hewlett Packard Enterprise Support Center:

www.hpe.com/support/Safety-Compliance-EnterpriseProducts

Additional warranty information

HPE ProLiant and x86 Servers and Options

www.hpe.com/support/ProLiantServers-Warranties

HPE Enterprise Servers

www.hpe.com/support/EnterpriseServers-Warranties

HPE Storage Products

www.hpe.com/support/Storage-Warranties

HPE Networking Products

www.hpe.com/support/Networking-Warranties

Regulatory information

To view the regulatory information for your product, view the *Safety and Compliance Information for Server, Storage, Power, Networking, and Rack Products*, available at the Hewlett Packard Enterprise Support Center:

www.hpe.com/support/Safety-Compliance-EnterpriseProducts

Additional regulatory information

Hewlett Packard Enterprise is committed to providing our customers with information about the chemical substances in our products as needed to comply with legal requirements such as REACH (Regulation EC No 1907/2006 of the European Parliament and the Council). A chemical information report for this product can be found at:

www.hpe.com/info/reach

For Hewlett Packard Enterprise product environmental and safety information and compliance data, including RoHS and REACH, see:

www.hpe.com/info/ecodata

For Hewlett Packard Enterprise environmental information, including company programs, product recycling, and energy efficiency, see:

www.hpe.com/info/environment

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