



Cover Letter for OpenVMS™ Alpha and OpenVMS™ VAX Version 7.1
AV-QSBVB-TE

December 1996

Dear OpenVMS Customer,

Digital is pleased to introduce the OpenVMS Alpha and OpenVMS VAX Version 7.1 operating systems. OpenVMS Version 7.1 provides new features specifically designed to improve performance and expand configuration flexibility of OpenVMS Clusters. In addition, OpenVMS Alpha and VAX Version 7.1 provide a great number of enhancements and new features focused on connecting OpenVMS with the Internet, extending the Very Large Memory (VLM) capabilities introduced in OpenVMS Alpha Version 7.0, and making system management of OpenVMS systems even easier.

This cover letter includes the following topics:

- Licensing information
- OpenVMS Alpha and OpenVMS VAX Version 7.1 new features
- Digital's new support policy
- Associated software: OpenVMS Cluster Compatibility Kit for Version 6.2 Systems, Internet Product Suite Version 1.1, OpenVMS Freeware CD-ROM Version 3.0
- Network software
- Documentation
- Software Product Descriptions
- OpenVMS Source Listing Kits
- Change to DECevent DIAGNOSE command installation
- Problem with Exabyte EXB-8200 Tape Drives on OpenVMS VAX
- SCSI Errors on the AlphaStation 255
- Customer appreciation

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Licensing Information

When upgrading to OpenVMS Version 7.1, you must have an appropriate license. Digital's software licenses grant the right to use the current version of the product. If you have purchased an OpenVMS license prior to the release of Version 7.1 and you are not covered by a service contract which includes the right to use new versions (RTNV), you must purchase an Update License before upgrading to OpenVMS Version 7.1.

To purchase an Update License or to sign up for a service contract, please contact your Digital Sales office or a Digital Authorized Reseller for assistance in obtaining the rights to use this new version of OpenVMS.

The following list contains packaging and licensing changes for OpenVMS Version 7.1.

- DECams now licensed with the operating system (Alpha and VAX)
- Volume shadowing per disk licensing enforcement (Alpha and VAX)
- OpenVMS Cluster Client License enforcement (Alpha and VAX)

OpenVMS Alpha and OpenVMS VAX New Features

OpenVMS Alpha and OpenVMS VAX Version 7.1 provide all of the features contained in OpenVMS Alpha and OpenVMS VAX Version 7.0, new systems supported in the OpenVMS Alpha Version 6.2-1Hx hardware releases, plus the following selected new features:

- OpenVMS Cluster enhancements including:
 - New Memory Channel cluster interconnect (Alpha)
 - CI-to-PCI (CIPCA) adapter (Alpha)
 - Lock manager quotas and limits expanded (Alpha and VAX)
 - New SCSI device naming scheme (Alpha and VAX)
 - Support for up to 16 SCSI IDs on wide SCSI adapters (Alpha)
- Extended Very Large Memory (VLM) management capabilities (Alpha) including:
 - Memory resident global sections
 - Shared page tables
 - Reserved memory registry
- Faster skip files on SCSI tapes (Alpha and VAX)
- New method (file-based autoconfiguration) for configuring third-party hardware devices (Alpha)
- Kernel threads scheduling enhancements through the DECthreads interface (Alpha)
- LAN emulation client support over ATM adapters (Alpha)
- New DCL PIPE command (Alpha and VAX)
- External authentication through the LAN Manager via PATHWORKS (Alpha and VAX)
- Additional system services enhanced to support 64-bit addresses (Alpha)
- Volume shadowing mini-merge feature enabled on system disks (Alpha and VAX)
- Debugger enhancements (Alpha and VAX)
- DECwindows X11R6 server (Alpha)
- Dump file off the system disk (DOSD) now available on Alpha

- New BACKUP API
- OpenVMS Management Station Version 1.2
- Cluster Compatibility Kit for OpenVMS Version 6.2 systems (Alpha and VAX)

Refer to the *OpenVMS Version 7.1 New Features Manual* and the *OpenVMS Version 7.1 Release Notes* for more information on these and other new features.

Digital's New Support Policy

Digital has recently announced a revised support policy and a new Prior Version Support Service for customers concerned that Digital's release cycles and the end of support may not be in concert with their ability to migrate systems to the new software releases.

Under Digital's new policy, support will be available for the current version and the previous version (for up to 12 months) when a customer purchases a standard support contract.

For versions of Digital software older than the previous version, the Prior Version Support Service is now available in two levels of support, including full and remedial support on selected products and versions.

For more information about all levels of support, contact your Digital support representative.

OpenVMS Cluster Compatibility Kit for Version 6.2 Systems

The OpenVMS Cluster Compatibility Kit provides quality improvements for Version 6.2 systems, including Version 7.1 volume shadowing and mount capabilities. This kit is required for customers with mixed-version and mixed-architecture clusters that include both OpenVMS Version 7.1 and OpenVMS Version 6.2 systems.

For more information about this kit, please see the *OpenVMS Version 7.1 Release Notes* and for the kit location see the *Guide to OpenVMS Version 7.1 CD-ROMs*.

OpenVMS Internet Product Suite Version 1.1

The OpenVMS Internet Product Suite Version 1.1 CD-ROM is included with the OpenVMS Version 7.1 kit. The Internet Product Suite is a comprehensive, conveniently packaged portfolio of industry leading commercial Internet products and popular Internet freeware for OpenVMS Alpha and VAX systems. On one CD-ROM, the Internet Product Suite delivers:

- Commercial web browsers, including Netscape Navigator™ Version 2.02 and Spyglass Enhanced Mosaic™ Version 2.10.
- Robust HTTP servers, including Netscape Communications Server™ Version 1.12, Netscape Commerce Server™ Version 1.12, and Purveyor Encrypt WebServer for OpenVMS Version 1.2.
- Public domain Internet freeware, including browsers, servers, web interfaces, conversion and other tools, news readers, viewers, mail clients and servers, hypertext markup language utilities, and UNIX utilities ported to OpenVMS.

The OpenVMS Internet Product Suite V1.1 CD-ROM requires that these products be installed on your system:

- OpenVMS Version 6.1 or later
- DECwindows Motif Version 1.2-3 or later
- Digital TCP/IP Services for OpenVMS Version 3.3 or later

The Netscape and Purveyor Encrypt web servers, as well as the VTX Web Interface, require separate licenses. Netscape Navigator and Spyglass Enhanced Mosaic do not require separate licenses; the rights to use both products are included under the DECwindows Motif license. To let you test drive the software, the Internet Product Suite CD-ROM includes free trial licenses for the Netscape servers, Purveyor Encrypt, and the VTX Web Interface.

See the OpenVMS Version 7.1 Software Product Description for more information on how to order licenses for the commercial products included on the OpenVMS Internet Product Suite. And be sure to visit Digital's OpenVMS home page at:

<http://www.openvms.digital.com>

OpenVMS Freeware Version 3.0 CD-ROM

The OpenVMS Freeware Version 3.0 CD-ROM is included in the OpenVMS distribution kit. The CD-ROM includes Digital internal tools such as SDL, NMAIL, MAILWATCH, and popular Internet programs. The OpenVMS Freeware is available online at our external OpenVMS web site: <http://www.openvms.digital.com>. For more information, refer to the *OpenVMS Version 7.1 New Features Manual*.

Network Software

With OpenVMS Version 7.1, the following Digital network software products are included on the operating system CD-ROM distribution media for our customers convenience:

- Digital TCP/IP Services Version 4.1
- DECnet-Plus Version 7.1 (formerly named DECnet/OSI)
- DECnet for OpenVMS Version 7.1

DECnet-Plus (formerly named DECnet/OSI) replaces DECnet Phase IV in the operating system installation and upgrade procedures. DECnet Phase IV remains available on the operating system media.

A complimentary DECnet-Plus Documentation Starter Kit, which includes selected DECnet-Plus hardcopy documentation, is included within the OpenVMS Version 7.1 hardcopy documentation set. For additional information on network software changes, see the *OpenVMS Version 7.1 New Features Manual* and *OpenVMS Version 7.1 Release Notes*.

Documentation

For OpenVMS Version 7.1, the entire OpenVMS Documentation Set has been updated in both printed and Bookreader formats. In addition, select manuals are provided in HTML format on the OpenVMS Documentation CD-ROM.

For more information about the OpenVMS Version 7.1 documentation, see the *Overview of OpenVMS Documentation*. For more information about the Documentation CD-ROM, see the *Guide to OpenVMS Version 7.1 CD-ROMs*.

Software Product Descriptions

Software Product Descriptions (SPDs) for the OpenVMS operating system and System Integrated Products are no longer available in printed format. The SPDs can be found on the OpenVMS distribution media (CD-ROM, TK50, or magtape, depending on your service offering). Refer to the *Guide to OpenVMS Version 7.1 CD-ROMs* for information about locating the SPDs on the CD-ROM. VAX users who receive their distribution kit on TK50s or magtapes should refer to the *OpenVMS VAX Version 7.1 Upgrade and Installation Manual* for information about locating the SPD files on their kits. The filename for the OpenVMS Version 7.1 SPD is OVMS_SPD.PS and .TXT on the TK50 and magtape kits.

The DECnet-Plus for OpenVMS SPD is architecture specific. The OpenVMS, Cluster, RMS Journaling, Volume Shadowing SPDs are no longer architecture specific. Although the SPD numbers for these products follow the product's VAX SPD numbering scheme, the SPDs for these products include information about both the Alpha and VAX platforms.

OpenVMS Source Listing Kits

The OpenVMS Alpha Version 7.1 and OpenVMS VAX Version 7.1 Source Listing Kits are available on CD-ROM. The source listing kits contain all nonproprietary source listings files that make up the OpenVMS operating system. The debug symbol files (DSF) are provided on the OpenVMS Alpha Source Listing Kit and contain information used by the OpenVMS Alpha System Code Debugger.

The OpenVMS Listings CD-ROM and License Kits include the license required to view these files on a standalone system or in an OpenVMS Cluster environment. If you want to make these files available on another system (possibly at a remote site), you must purchase an additional kit. For each kit you purchase, you must sign a source license agreement. Contact your local Digital representative for more information.

Use the following order numbers for the OpenVMS source listings:

OpenVMS Alpha Listings CD-ROM Kit and License: QB-MT1AB-E8

OpenVMS VAX Listings CD-ROM Kit and License: QB-001AB-E8

Incorrect Default Value of the MSCP_CMD_TMO System Parameter

The default value for the MSCP_CMD_TMO system parameter is set at 600 seconds. Digital recommends that you set the value to 0 seconds. This is a dynamic system parameter. After you install OpenVMS Version 7.1, change this parameter on your running system and add the following line to your MODPARAMS.DAT file:

```
MSCP_CMD_TMO=0
```

Refer to the *OpenVMS Version 7.1 New Features Manual* for further information on this system parameter.

Change to DECEvent DIAGNOSE Command Installation

In OpenVMS Alpha Version 7.0 and earlier releases of OpenVMS Alpha, the DECEvent DCL command DIAGNOSE was defined during the operating system installation or upgrade.

Beginning with OpenVMS Alpha Version 7.1, the definition of the DIAGNOSE command during installation or upgrade is disabled. In order to enable the DIAGNOSE command in OpenVMS Version 7.1, the DECEvent kit provided on the OpenVMS Alpha Version 7.1 CD-ROM must be installed following the installation of OpenVMS Alpha Version 7.1. The DECEvent kit is located in the directory [DECEVENT_023] on the OpenVMS Alpha Version 7.1 CD-ROM.

If the DECEvent kit provided on the OpenVMS Alpha CD-ROM is not installed after the operating system, users attempting to use the DIAGNOSE command will receive the following system message:

```
$ DIAGNOSE [params]
%DIA-E-NOINSTAL, DIAGNOSE has not been installed on this system
```

Problem with Exabyte EXB-8200 Tape Drives on OpenVMS VAX

Exabyte EXB-8200 tape drives will not work with OpenVMS VAX Version 7.1. This unsupported SCSI-1 tape drive provided minimal functionality in previous versions of the OpenVMS VAX operating system.

Enhancements made to the VAX SCSI device drivers for OpenVMS VAX Version 7.1 to allow the use of a larger set of SCSI devices have introduced a problem with Exabyte EXB-8200 tape drives. Tapes installed in this drive cannot be initialized, and tapes that have already been initialized cannot be mounted or read.

If you have an Exabyte EXB-8200 tape drive or another third-party SCSI-1 tape drive that is not working on your VAX system, please contact the customer support center for information about a possible modification that will correct this problem.

SCSI Errors on the AlphaStation 255

A problem may exist on the internal SCSI bus of the AlphaStation 255. The problem exhibits itself as SCSI command timeouts and bus resets when the CD-ROM is active at the same time as an internal hard drive.

This problem can be avoided by setting the internal SCSI bus to run in slow mode. (At the console prompt, type SET PKA0_FAST 0, then type INIT). A solution that will allow the SCSI bus to run in fast mode is expected.

Customer Appreciation

Digital appreciates your interest in OpenVMS and is very pleased to provide you with this OpenVMS Version 7.1 software. Digital is dedicated to providing customers with the most advanced functionality and highest quality products possible and believes OpenVMS Version 7.1 reflects that dedication.