



Software Product Description

PRODUCT NAME: DIGITAL OpenVMS Disk Services for Windows NT Version 1.1 SPD 60.80.01

DESCRIPTION

DIGITAL™ OpenVMS™ Disk Services for Windows NT™ allows customers to store Windows NT data on an OpenVMS Cluster to take advantage of the economies of centralized storage and of the failover capabilities of OpenVMS Clusters.

OpenVMS Alpha nodes in the cluster serve virtual disks to Windows NT systems. The virtual disk behaves like a locally attached disk, although its data is actually stored on a disk in the OpenVMS Cluster. The virtual disk is formatted with a native Windows NT file system, such as NTFS, using standard Windows NT tools.

The Windows NT system can share the virtual disk out to user workstations or desktops via the standard Windows NT network sharing mechanisms.

Standby nodes in the OpenVMS Cluster provide automatic failover of disk services. The failover is transparent to Windows NT users accessing the virtual disk; they continue accessing the disk, unaware that a different node in the OpenVMS Cluster is serving it.

DIGITAL OpenVMS Disk Services for Windows NT has a client component on Windows NT, and a server component on OpenVMS, and uses TCP/IP to communicate between them.

If required, multiple network paths can be configured between the client and server components. If one path fails another path is used transparently to users accessing the virtual disk.

DIGITAL OpenVMS Disk Services for Windows NT is an extension to DIGITAL's current Windows NT storage alternatives. It is for customers who want to store Windows NT data on OpenVMS Clusters, but who do not need to share files between OpenVMS and Windows NT applications. OpenVMS applications cannot access the data stored on the virtual disk. Customers who need to share data between OpenVMS and Windows NT applications must use PATHWORKS™, or other file-sharing solutions.

HARDWARE REQUIREMENTS

- OpenVMS

The OpenVMS component of the product runs on the OpenVMS Alpha hardware platform. The list of supported processors and hardware configurations is the same as those supported by OpenVMS and listed in the OpenVMS Alpha Operating System Software Product Description SPD (41.87.xx).

- Windows NT

The Windows NT component of the product runs on any Intel® or Alpha hardware platform that supports Windows NT Version 4.0 and is listed in the Microsoft® Hardware Compatibility List (HCL) for Windows NT Version 4.0.

Disk Space Requirements

The approximate amount of space required on the OpenVMS and Windows NT system disks is as follows. Actual sizes may vary depending on the user's system environment, configuration, and software options.

OpenVMS	20,000 blocks
Windows NT	8 Mbytes

Cluster Environment

DIGITAL OpenVMS Disk Services for Windows NT is fully supported when installed on any valid and licensed OpenVMS Cluster configuration. OpenVMS Cluster configurations are fully described in the OpenVMS Cluster Software Product Description (29.78.xx).

SOFTWARE REQUIREMENTS

The following are the software requirements for DIGITAL OpenVMS Disk Services for Windows NT:

OpenVMS Environment

- OpenVMS Alpha Version 7.1 or OpenVMS Alpha Version 6.2
- DIGITAL TCP/IP Services for OpenVMS:
 - DIGITAL TCP/IP Services for OpenVMS Version 4.2 or later, or
 - DIGITAL TCP/IP Services for OpenVMS Version 4.1 with ECO kit number 6 or later installed

Windows NT Environment

- Windows NT Version 4.0

CERTIFIED CONFIGURATIONS

DIGITAL OpenVMS Disk Services for Windows NT Version 1.1 is certified for up to 50 concurrent connections to the disk services on a single OpenVMS Cluster, for example:

- One Windows NT system can connect to 50 disk services on the OpenVMS Cluster, or
- 25 Windows NT systems can each connect to two disk services on the OpenVMS Cluster

Although you can set up more than 50 concurrent connections, DIGITAL only supports configurations that have 50 or fewer concurrent connections to the disk services on each OpenVMS Cluster.

GROWTH CONSIDERATIONS

The minimum hardware/software requirements for any future version of this product may be different from the requirements for the current version.

DISTRIBUTION MEDIA

The software for DIGITAL OpenVMS Disk Services for Windows NT is available on the OpenVMS Alpha Software Product Library CD-ROM. The documentation for DIGITAL OpenVMS Disk Services for Windows NT is available on the OpenVMS Online Documentation Library CD-ROM.

SOFTWARE LICENSING

This software is furnished under the licensing provisions of Digital Equipment Corporation's standard terms and conditions. For more information about DIGITAL's licensing terms and policies, contact your local DIGITAL office.

License Management Facility Support

This product supports the OpenVMS License Management Facility (LMF).

LMF employs a variation of a personal use license to account for specific Windows NT systems that are connected to disk services on an OpenVMS Cluster.

Each license allows a single Windows NT system to connect to disk services on a single OpenVMS Cluster. The license does not limit the number of disk services that the Windows NT system can connect to, and the Windows NT system is not restricted in the number of workstations or desktops it may serve.

For more information about the License Management Facility, refer to the OpenVMS Alpha Operating System Software Product Description (SPD 41.87.xx) or the OpenVMS Alpha Operating System documentation.

ORDERING INFORMATION

Order No	License
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QL-5TA9A-4B	Personal Use Update License

SOFTWARE PRODUCT SERVICES

A variety of service options are available from DIGITAL. For more information, contact your local DIGITAL office.

SOFTWARE WARRANTY

Warranty for this software product is provided by DIGITAL with the purchase of a license for the product as defined in the Software Warranty Addendum of this SPD.

DIGITAL believes the information in this publication is accurate as of its publication date; such information is subject to change without notice. Contact your local DIGITAL office for the most up-to-date information. DIGITAL is not responsible for any inadvertent errors.

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