COMPAQ

Software Product Description

PRODUCT NAME: Disk File Optimizer for OpenVMS,Version V2.7 **SPD 55.85.09**

DESCRIPTION

Disk File Optimizer for OpenVMS is a layered software product which reduces both file fragmentation and free space fragmentation and optimizes file placement on disk media. This results in better application performance, better backup performance, and more efficient disk utilization. Disk File Optimizer operates in two modes. In "Defrag PLUS" mode, RMS is used as a database of scheduling information, and defragmentation jobs can be scheduled using a wide variety of scheduling criteria. In normal "Defrag" mode, defragmentation jobs are run when requested by the user. The user or system manager can specify which of these two modes should be used when the product is installed.

The key capabilities of Disk File Optimizer for OpenVMS are:

- Reduces file fragmentation and free space fragmentation for disk devices
- Provides the ability to defragment specific files or an entire disk
- Gives the user the capability to select or exclude specific files based on:
  - — User choice
  - — Severity of fragmentation
  - — Whether the file has placement pointers
  - — Whether the files are indexed
- Provides event based scheduling of defragmentation jobs
- Provides a Monitor function which allows File Optimizer processes to be monitored while in operation
- Allows pre- and post-processing commands to effect automation of tasks before and after defragmentation jobs are executed
- Gives the user the ability to classify files as "hot" (frequently accessed), or "cold" (infrequently accessed) and to have them placed on the disk drive accordingly
- Provides two modes of operation to tailor to the specific customer environment
- Offers a choice of Digital Command Line (DCL) or Motif®-based Graphical User Interfaces. This is available for both Defrag and Defrag PLUS modes.
- Provides an offline defragmentation utility that allows the user to defragment INDEXF.SYS on a disk device that is not mounted. For a bound volume set this utility only works on the "ROOT" volume.

HARDWARE REQUIREMENTS

Disk File Optimizer is a layered software product on the OpenVMS operating system for both VAX and Alpha hardware platforms. The list of qualified processors and hardware configurations for this version is the same as those qualified by OpenVMS and mentioned in the following Software Product Descriptions (SPDs).

OpenVMS VAX Operating System SPD (25.01.xx)
OpenVMS Alpha Operating System SPD (41.87.xx)

Processors Not Qualified

MicroVAX I, VAXstation I, VAX–11/725, VAX–11/782, VAXstation 8000

Processor Restrictions:

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A minimum system configuration to run Disk File Optimizer includes:

- 4 MB memory
- One or more disk drives qualified by OpenVMS

Disk Space Requirements (Block Cluster Size = 1)

Disk Space Requirements for Defrag PLUS

For installation on VAX:	27,000 blocks (3.6 MB)
For permanent use on VAX:	23,700 blocks (1.9 MB)
For installation on Alpha:	32,000 blocks (6.2 MB)
For permanent use on Alpha:	27,800 blocks (4.0 MB)

Disk Space Requirements for Defrag

For installation on VAX:	23,900 blocks (2.0 MB)
For permanent use on VAX:	22,800 blocks (1.5 MB)
For installation on Alpha:	27,800 blocks (4.0 MB)
For permanent use on Alpha:	23,900 blocks (2.0 MB)

These counts refer to the disk space required on the system disk. The sizes are approximate; actual sizes may vary depending on the user's system environment, configuration, and software options.

SOFTWARE REQUIREMENTS

- OpenVMS VAX Operating System (Version 6.2, 7.1, 7.2 and 7.3) or OpenVMS Alpha (Versions 6.2, 7.1-2, 7.2-1, 7.2-2, 7.3 and 7.3-1)

  DFO V2.7 is qualified for disks connected on the Fiber Channel. OpenVMS Alpha Versions 7.2-1 and above provide support for Fiber Channel (FC) connected disk devices. DFO V2.7 has qualified this feature in OpenVMS with HSG80 Array Controller. Please refer to OpenVMS documentation for a complete listing of supported disk devices and Operating System versions.

OpenVMS Tailoring

For OpenVMS Alpha V6.x systems, the following classes are required for full functionality of this layered product:

- OpenVMS Required Saveset
- Programming Support
- Utilities
- System Programming Support
- Secure User's Environment
- Network Support
- OpenVMS Workstation Support

For more information on OpenVMS classes and tailoring, refer to the OpenVMS VAX Operating System Software Product Description (SPD 25.01.xx) or the OpenVMS Alpha Operating System Software Product Description (SPD 41.87.XX).

OPTIONAL SOFTWARE

- DECwindows Motif V1.1 or later.

  DECwindows Motif is part of the OpenVMS Operating System but must be installed separately. Installation of DECwindows Motif gives you the option to use the Disk File Optimizer graphical user interface.

SOFTWARE LICENSING

This software is furnished only under a license. For more information about Compaq's licensing terms and policies, contact your local Compaq office.

License Management Facility

This layered product qualifies the OpenVMS License Management Facility.

License units for the software are granted for use on one specified system, based on the processor system class level. Licenses granted as processor tier-independent (processor generic), are no longer offered, but can continue to be used on any system qualified by the software. These include the following licenses: QL-2GNA9-AA and QL-GJ8A9-AA.

For more information on the OpenVMS License Management Facility, refer to the OpenVMS VAX Operating System Software Product Description (SPD 25.01.xx), the OpenVMS Alpha Operating System Software Product Description (SPD 41.87.xx), or the License Management Facility manual of the OpenVMS VAX or OpenVMS Alpha Operating System documentation set.

CLUSTER ENVIRONMENT

Disk File Optimizer qualifies defragmenting disks connected to OpenVMS VAX or Alpha machines from any qualified VAX or Alpha machine. It is fully qualified when installed on any valid and licensed VMScluster* configuration without restrictions. The *HARDWARE REQUIREMENTS* section of this product's Software Product Description details any special hardware required by this product.

*VMScluster configurations are fully described in the VMScluster Software Product Description (29.78.xx) and include CI, Ethernet, and Mixed Interconnect configurations.

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 Disk File Optimizer software has discontinued H-Kit distributions. 9-track and TK50 media is no longer available to fulfill this requirement.

This layered product is also available as part of the OpenVMS Consolidated Software Distribution on CD–ROM for VAX (QA-VWJ8A-A8) and on the Compaq CD–ROM Software Library for OpenVMS Alpha (QA-03XAA-H8).

ORDERING INFORMATION

Software Media:

VAX (CD–ROM): QA-VWJ8A-A8
Alpha (CD–ROM): QA-03XAA-H8

Software Licenses:

VAX:

Workgroup: QL-GJ8AB-AA
Departmental: QL-GJ8A2-AA
Enterprise: QL-GJ8A5-AA

Alpha:

Workgroup: QL-2GNAE-AA
Departmental: QL-2GNAG-AA
Enterprise: QL-2GNAQ-AA

Software Documentation:

VAX: QA-GJ8AA-GZ
Alpha: QA-2GNAA-GZ

Software Product Services:

VAX: QT-GJ8A*-**
Alpha: QT-2GNA*-**

* Denotes variant fields. For additional information on available licenses, services, and media, refer to the appropriate price book.

SOFTWARE PRODUCT SERVICES

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

SOFTWARE WARRANTY

This software is provided by Compaq with a 90 day conformance warranty in accordance with the Compaq warranty terms applicable to the license purchase.

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