Software Product Description

PRODUCT NAME: HP Disk File Optimizer for OpenVMS,Version 3.1 **SPD 55.85.16**

DESCRIPTION

HP Disk File Optimizer (DFO) 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.

DFO 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.

Note: DFO Version 3.1 supports OpenVMS on AlphaServers and Integrity server systems only. DFO Version 3.0 is the last supported version on the VAX systems.

The key capabilities of DFO for OpenVMS are:

- DFO supports file systems up to 2 TB size
  DFO Version 3.1 can defragment disk volumes up to 2 TB in size on both Alpha and Integrity servers. This was earlier limited to 1 TB disk volumes with earlier versions of DFO.
- 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.

CLUSTER ENVIRONMENT

HP Disk File Optimizer qualifies defragmenting disks connected to OpenVMS Integrity server or Alpha machines from any qualified Integrity server 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.

HARDWARE REQUIREMENTS

DFO is a layered software product on the OpenVMS operating system for Integrity server 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 Integrity Servers:	V8.3 (SPD 82.35.XX)
	V8.3-1H1 (SPD 82.35.XX)
	V8.4 (SPD 82.35.XX)
OpenVMS Alpha:	V7.3-2 (SPD 25.01.XX)
	V8.3 (SPD 82.35.XX)
	V8.4 (SPD 82.35.XX)

Refer to the appropriate OpenVMS Operating System Software Product Description (SPD) for additional details.

The list of currently shipping disk and tape devices changes frequently. Currently supported disk and tape devices are reflected in the Supported Options Lists that can be found within the QuickSpecs at the individual product WEB pages:

http://h18000.www1.hp.com/products/quickspecs/Division/11930

Processor Restrictions:

A minimum system configuration to run DFO 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 Integrity Servers:	34,000 blocks (16.6 MB)
For permanent use on Integrity Servers:	32,000 blocks (15.6 MB)
For installation on Alpha:	32,000 blocks (15.6 MB)
For permanent use on Alpha:	27,800 blocks (13.6 MB)

Disk Space Requirements for Defrag

For installation on Integrity Servers:	28,000 blocks (13.7 MB)
For permanent use on Integrity Servers:	26,000 blocks (12.7 MB)
For installation on Alpha:	27,800 blocks (13.6 MB)
For permanent use on Alpha:	23,900 blocks (11.7 MB)

(1 Block=512 Bytes)

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 Integrity Servers:	V8.3 (SPD 82.35.XX)
	V8.3-1H1 (SPD 82.35.XX)
	V8.4 (SPD 82.35.XX)
OpenVMS Alpha:	V7.3-2 (SPD 25.01.XX)
	V8.3 (SPD 82.35.XX)
	V8.4 (SPD 82.35.XX)

Refer to the appropriate OpenVMS Operating System Software Product Description (SPD) for additional details.

DFO Version 3.1 has been qualified on disks connected via Fibre Channel.

Please refer to OpenVMS documentation for a complete listing of supported disk devices and Operating System versions.

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 HP Disk File Optimizer graphical user interface.

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

DFO for OpenVMS Integrity servers product is available on the layered products media within the Operating Environment package. The layered products media includes the product binaries and on-line documentation.

DFO for OpenVMS Alpha product is available on the OpenVMS Alpha Software Products Library (QA-03XAA-H8). The Products Library includes media and documentation on CD-ROM.

DFO for OpenVMS VAX product is no longer available for distribution.

SOFTWARE LICENSING

This software is furnished only under a license. For more information about HP's licensing terms and policies, contact your HP account representative or distributor.

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 Integrity servers and Alpha Operating System Software Product Description (SPD 82.35.xx), or OpenVMS Alpha Operating System documentation set, or HP Operating Environments for OpenVMS - Integrity Servers (SPD 82.34.XX).

ORDERING INFORMATION

Software Licenses:

Integrity Servers:

BA360BC#201 (for Dual Core Processors)
BA360BC#404 (for Quad Core Processors)

Alpha:

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

SOFTWARE PRODUCT SERVICES

A variety of service options are available from HP. For more information, contact your local HP account representative or distributor. This information is also available on www.hp.com/hps/software.

SOFTWARE WARRANTY

This software is provided by HP with a ninety-day conformance warranty in accordance with the HP warranty terms applicable to the license purchase.

The previous information is valid at time of release. Please contact your local HP office for up-to-date information.