HP Disk File Optimizer for OpenVMS Release Notes

April 2012

This release notes describe corrected problems, known restrictions, and errors found in the HP Disk File Optimizer software and documentation, and provides a brief description of the changes for the Version 3.1 software.

Software Version: Version 3.1

April 2012

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1 Introduction

This kit contains the HP Disk File Optimizer (DFO) for OpenVMS Alpha and Integrity servers platforms. The installation procedure automatically selects the correct version. In addition, there are two variants of the product itself:

- Defrag
- Defrag PLUS

The installation procedure allows you to choose to install Defrag or Defrag PLUS software. Defrag PLUS contains a scheduling process that allows for periodic scheduling of defragmentation jobs. If you do not wish to use the Defrag PLUS, install the Defrag variant. Defrag provides a more direct interface to the defragmentation process.

Customers are advised to take backup of the existing database before deinstalling the earlier versions of DFO.

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.

While referring to the *HP Disk File Optimizer for OpenVMS V2.9 Guide to Operations* and *HP Disk File Optimizer for OpenVMS V2.9 Installation Guide*, keep in mind that DFO Version 3.1 is not available on the VAX platform.

2 Software Version Requirements

DFO Version 3.1 software runs on OpenVMS Alpha Versions 7.3-2, 8.3, & 8.4 and OpenVMS Integrity servers Versions 8.3, 8.3-1H1, & 8.4.

3 Installing the Software

The following steps should help you begin the installation procedure for installing HP Disk File Optimizer for OpenVMS Version 3.1 on your system. For installation details however please go through the HP Disk File Optimizer for OpenVMS V2.9 Installation Guide.

3.1 Invoke VMSINSTAL

Invoke the VMSINSTAL procedure using the following command:

```
@SYS$UPDATE:VMSINSTAL saveset-name device-name OPTIONS N
```

Where:

saveset-name is the installation name for the component. For the HP Disk File Optimizer, use the following: **DFG031**

device-name is the name of the device on which you plan to mount the media, for example, MUA0:. It is not necessary to use the console drive for this installation. However, if you use the console drive, replace any media you remove when the installation is complete.

OPTIONS N indicates you want to see the release notes. If you do not include this parameter, VMSINSTAL does not ask you about the release notes. Review the release notes before proceeding with the installation as they could contain additional installation information.

3.1.1 Continue Installation

If you see the following message:

```
%VMSINSTAL-W-ACTIVE, The following processes are still active
* Do you want to continue anyway [NO]?
```

Enter **Y** and press Return, else go to the next Step.

3.1.2 Confirm the state of the system backup

To the following message:

```
* Are you satisfied with the backup of your system disk [Yes]?
```

Press Return.

3.1.3 Release Notes option

Respond to the query on the 'Release Notes option':

```
Release notes included with this kit are always copied to SYS$HELP.

Additional Release Notes Options:

    1.  Display release notes
    2.  Print release notes
    3.  Both 1 and 2
    4.  None of the above

* Select option [2]:
```

Enter the number of the desired option and press Return.

3.1.4 Continue Installation

To the following question:

```
* Do you want to continue the installation [NO]?
```

Enter **Y** and press Return.

3.1.5 Purge HP Disk File Optimizer files

Purge files belonging to previous installations and usage of the software, if you want to recover storage space on your disk. Answer the following question to do so.

```
* Do you want to purge files replaced by this installation [YES]?
```

Press Return to purge old files, else enter **N** and press Return.

3.1.6 Confirm the PAK registration

```
* Does this product have an authorization key registered
  and loaded?
```

Enter **Y** and press Return.

3.1.7 Run the Installation Verification Procedure (IVP)

Answer yes to the following query to run the Installation Verification Procedure (IVP))

```
* Do you want to run the IVP after the installation [YES]?
```

Recommendation:

Running the IVP procedure is recommended.

Press Return to run the IVP, else enter **N** and press Return.

The rest of the installation procedure is concerned with the specific DFO variant you wish to use - DEFRAG or DEFRAG-PLUS. For specific information regarding the installation steps that follow please read the Disk File Optimizer for OpenVMS Installation Guide.

4 New Features/Enhancements in DFO Version 3.1

This section documents either new feature or enhancement or both, provided in DFO Version 3.1.

- DFO supports file systems up to 2 TB size

  DFO is enhanced to defragment large capacity disk of up to 2 TB in size which was earlier limited to 1 TB. Disks or devices whose size is greater than 1 TB and less than 2 TB are supported only on OpenVMS Version 8.4 on both Integrity servers and Alpha architectures.

  To support defragment disks of size up to 2 TB, the following is changed:

  – The design is changed to use unsigned integer datatypes for holding the LBN, VBN, and size related variables. Also, the code logic to compare these unsigned variables is modified.

  With this new design, DFO can defragment disk capacities greater than 1 TB which was not possible in the earlier versions.

5 Problems Fixed in DFO Version 3.1

The following problem is fixed in this release of DFO:

– While installing DFO version T3.1 on an Integrity server with Performance Solution Data Collector(PSDC), it displays the following error message:

```
%DCL-W-UNDSYM, undefined symbol - check validity and spelling
\PSDC_VERSION\
%DCL-W-UNDSYM, undefined symbol - check validity and spelling
%VMSINSTAL-E-INSFAIL, The installation of DFGT V3.1 has failed
```

  This problem is fixed in this release.

6 Known Problems and Restrictions

This section describes known problems and restrictions for Version 3.1

Known problem

- Under some conditions, defragmenting a file of size more than 500 GB on a volume of size greater than 1 TB, the following bugcheck might occur:

```
'PTRCNT, ACP block count exceeds retrieval pointer size'
```

This has been root caused to a File System issue. A File System patch is under development and is expected in Q2 of calendar year 2012. Please contact HP support representative for the availability of an OpenVMS File System patch containing the fix for this problem.