

HP OpenVMS

PERFDAT V4.8

Release Notes

October 2016

Revision/Update Information
Software Version
Operating System Version

New manual.
HP PERFDAT V4.8
OpenVMS AXP V7.3-2 & higher
OpenVMS IA64 V8.2 & higher



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Preface

Audience

This manual is intended for all system managers who have installed HP OpenVMS PERFDAT on their systems. Read this manual before you install, upgrade or use version V4.8 of HP PERFDAT.

Document Structure

- Chapter 1 contains installation information
- Chapter 2 contains support information
- Chapter 3 contains OpenVMS patch advisories

Related Documents

The manuals listed below are available in support of this version:

- HP PERFDAT V4.8– Upgrade and Installation Manual
- HP PERFDAT V4.8– Architecture and Technical Description
- HP PERFDAT V4.8– DQL\$ Reference Manual
- HP PERFDAT V4.8– PERFDAT_MGR Reference Manual

All manuals are in *Portable Document Format*(PDF) and are included in the PERFDAT048.A installation kit.

Extract the *PERFDAT_OPENVMS_DOCU_V48.ZIP* file using the OpenVMS BACKUP utility. Then transfer this file to a system such as a PC and UNZIP this file in order to access the individual manuals.

Conventions Used in this Manual

<i>Special</i>	in examples indicates text that the system displays or user type input.
UPCASE	in a command represents text that you have to enter as shown.
<i>Lowercase</i> <i>Italics</i>	indicates variable information that a user supplies.

[] in a command definition, enclose parts of the command that a user can omit.

Key indicates a named key on the keyboard; for example, RETURN

CTRL/x is the symbol used to represent the pressing of a control key. It indicates that the user holds down the key marked Ctrl and simultaneously pressing the appropriate key.

PERFDAT Installation Release Notes

This chapter contains information you need to know before installing or upgrading to HP PERFDAT V4.8.

HPE recommends that you read the following manuals before installing or upgrading to HP PERFDAT V4.8:

- HP PERFDAT V4.8 – Release Notes (this manual)
- HP PERFDAT V4.8 – Upgrade and Installation Manual

1.1 Upgrade Path

You can upgrade directly to HP PERFDAT V4.8 from any HP PERFDAT V4.x release or any ECO level of HP PERFDAT V3.3. Use the command

```
$ MCR PERFDAT_MGR SHOW VERSION
```

to display the actual version of HP PERFDAT in use.

If you are still using HP PERFDAT V3.2 or an earlier version, it is recommended that you upgrade first to HP OpenVMS PERFDAT V3.3 and then to version V4.8. If you do not have version V3.3 please contact PERFDAT support

PERFDAT@HPE.COM

to obtain the necessary kit.

1.2 Kit Content

In order to reduce the size of the installation kit the ZIP file containing the NET-SNMP V5.1.2 packages (NET-SNMP_512.ZIP) for Solaris 2.6, 7, 8 and 9 has been removed from installation kit PERFDAT048.A.

We recommend that these packages are installed on a Solaris system if you want to collect performance data from a Solaris system running one of

the operating system versions listed above with the HP PERFDAT SNMP extension.

The NET-SNMP V5.1.2 packages ZIP file can be downloaded from:

<http://www.perfdat.com/>

or

<http://www.hpperfdat.com/>

Supported Versions

2.1 Supported OpenVMS versions

HP PERFDAT V4.8 supports the following OpenVMS versions:

- HP OpenVMS V7.3-2 AXP
- HP OpenVMS V8.2 AXP
- HP OpenVMS V8.3 AXP
- HP OpenVMS V8.4 AXP
- HP OpenVMS V8.2 IA64
- HP OpenVMS V8.2-1 IA64
- HP OpenVMS V8.3 IA64
- HP OpenVMS V8.3-1H1 IA64
- HP OpenVMS V8.4 IA64
- VSI OpenVMS V8.4-1H1 IA64
- VSI OpenVMS V8.4-2 IA64
- VSI OpenVMS V8.4-2L1 IA64

2.2 Discontinued OpenVMS support

The following OpenVMS versions are not supported by HP PERFDAT V4.8.

- OpenVMS V7.2-2 AXP
- OpenVMS V7.3 AXP
- OpenVMS V7.3-1 AXP

If you are still running HP PERFDAT on one of these OpenVMS versions and you need some of the new features provided by HP PERFDAT V4.8 please contact HP PERFDAT support (<mailto:PERFDAT@HPE.COM>). We will check if the required features can be back-ported to HP PERFDAT V3.3.

New Features

HP PERFDAT V4.8 supports the following new VSI OpenVMS release:

- VSI OpenVMS V8.4-2
- VSI OpenVMS V8.4-2L1

It provides the same functionalities and features as HP PERFDAT V4.7.

3.1 *HP PERFDAT upgrade*

3.1.1 PERFDAT_HOUSEKEEPING.COM will be preserved

The DCL script PERFDAT\$BIN:PERFDAT_HOUSEKEEPING.COM is called by the HP PERFDAT archiving process to cleanup log- and temp-files and the user is permitted to modify this script accordingly.

Prior to HP PERFDAT V4.8 this DCL script was unconditionally replaced during the upgrade process so that any user modifications were lost except when the script was manually saved before the upgrade was started.

Starting with HP PERFDAT V4.8 this script will be preserved during the upgrade process.

Bug Fixes

4.1 *HP PERFDAT OpenVMS data collector*

4.1.1 **SCS metric is disabled if a cluster member is removed from the cluster**

If prior to V4.8 a cluster member was removed from a cluster either because it was shutdown or it crashed, the SCS data collection failed on the remaining cluster members with an access violation and the SCS metric was automatically disabled.

In this happened the HP PERFDAT OpenVMS Data collector sent the following OPCOM message:

```
PERFDAT-E-COLLSCS, error during SCS collection processing -> SCS metrix will be disabled
```

and the following trace-back information could be found in the log-file PERFDAT\$LOG:PERFDAT_<node name>.LOG:

```
PERFDAT-E-COLLSCS, error during SCS collection processing -> SCS metrix will be disabled
```

```
PERFDAT_COLLECTSCS Traceback Information:  
Line 895: Function CollectSCSInfo, Status 0xC
```

```
PERFDAT_COLLECTSCS Signal Array:  
PC = <PC counter>, PSL = 00000203, Signal = 0000000C, 00000000, 00000034
```

The access violation happened because, prior to V4.8, the HP PERFDAT OpenVMS data collector tried to fetch virtual circuit (VC) performance data unconditionally from all VCs even if some VCs were in a closed state.

Now the virtual circuit state is checked before performance data is collected for a particular VC. If the VC state indicates that the VC is closed or invalid for any other reason this VC is ignored.

4.2 **HP PERFDAT Query Interface (DQL)**

4.2.1 **SHOW ELEMENT command fails if statistics specified in the WHERE clause matches *LIM* or *COMP***

If prior to V4.8 the SHOW ELEMENT command was used with the ORDERED BY clause and the WHERE clause referred statistics that contained the following sub-strings non case sensitive:

- LIM (i.e. Full**l**mageName)
- COMP

the command failed with:

DQL-E-INVSYN, syntax error in WHERE clause - metrix /<metric name>/

Due to a bug in the query command parser such statistics were incorrectly identified as protected keywords.

Important OpenVMS patch advisory

If one of the OpenVMS releases listed below is installed on your system:

- OpenVMS V8.3 AXP
- OpenVMS V8.3 IA64
- OpenVMS V8.3-1H1 IA64

please ensure that the following OpenVMS patches are also installed:

- OpenVMS V8.3 AXP VMS83A_SYS-V1000
- OpenVMS V8.3 IA64 VMS83I_SYS-V0800
- OpenVMS V8.3-1H1 IA64 VMS831H1I_SYS-V0300

These patches fix a bug in the OpenVMS PMS sub-system that may crash the system if the PMS sub-system is released by HP PERDAT.

The HP PERFDAT OpenVMS data collector allocates the PMS sub-system in order to provide the statistics for the following metrics:

- DEVICE
- DEVICE.IOTIMEHIST
- DEVICE.FILE
- DEVICE.PROCESS
- DEVCE.PROCESS.FILE

Note

If you do not have these patches installed do NOT stop the HP PERFDAT OpenVMS data collector and do NOT upgrade HP PERFDAT (a HP PERFDAT upgrade implicitly stops the OpenVMS data collector) to V4.8 until you have installed these patches and you have rebooted your system.
