

HP OpenVMS

PERFDAT V4.4

Release Notes

August 2010

Revision/Update Information
Software Version
Operating System Version

New manual.
HP PERFDAT V4.4
OpenVMS AXP V7.3-2 & higher
OpenVMS IA64 V8.2 & higher



August 2010

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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 V4.4 of HP PERFDAT.

Document Structure

- Chapter 1 contains installation information
- Chapter 2 contains support information
- Chapter 3 New Features
- Chapter 4 Bug Fixes
- Chapter 5 contains OpenVMS patch advisories

Related Documents

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

- HP PERFDAT V4.4 – Upgrade and Installation Manual
- HP PERFDAT V4.4 – Architecture and Technical Description
- HP PERFDAT V4.4 – DQL\$ Reference Manual
- HP PERFDAT V4.4 – PERFDAT_MGR Reference Manual

All manuals are in Portable Document Format (PDF) and are included in the PERFDAT044.A installation kit.

Extract the PERFDAT_OPENVMS_DOCU_V44.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

- | | |
|------------------|---|
| Special | 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. |
| Lowercase | indicates variable information that a user supplies. |

Italics	
[]	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 V4.4.

HP recommends that you read the following manuals before installing or upgrading to HP PERFDAT V4.4:

- HP PERFDAT V4.4 – Release Notes (this manual)
- HP PERFDAT V4.4 – Upgrade and Installation Manual

1.1 Upgrade Path

You can upgrade directly to HP PERFDAT V4.4 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 V4.4. If you do not have version V3.3 please contact PERFDAT support

PERFDAT@HP.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 PERFDAT044.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 V4.4 supports the following OpenVMS versions:

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

2.2 Discontinued OpenVMS support

The following OpenVMS versions are not supported by HP PERFDAT V4.4.

- 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 V4.4 please contact HP PERFDAT support (<mailto:PERFDAT@HP.COM>). We will check if the required features can be back-ported to HP PERFDAT V3.3.

New Features

HP PERFDAT V4.4 is the first version of HP PERFDAT that supports OpenVMS V8.4 on AXP and IA64. It contains the same functionality and features available in HP PERFDAT V4.3 plus the bug fixes included in HP PERFDAT V4.3 ECO1 and ECO2.

Bug Fixes

4.1 *DQL\$ utility*

4.1.1 Logical storage area selection problem when using the DATE clause of the ATTACH command

If, prior to HP PERFDAT V4.4, the user applies the DATE clause of the ATTACH command to access a particular logical storage area and the specified day of the month in the DATE clause is less than 10 and the leading zero ('0') is NOT applied, not only will this logical storage area, but also the logical storage areas of the day of the month defined plus 10, and the day of the month defined plus 20 be selected.

Example:

```
DQL> ATTACH ALIAS VMSTM1_DEFAULT DATE 3-AUG-2010;
```

This command attaches the logical storage areas of:

- 3-AUG-2010
- 13-AUG-2010
- 23-AUG-2010

whereas

```
DQL> ATTACH ALIAS VMSTM1_DEFAULT DATE 03-AUG-2010;
```

now only attaches the logical storage area of 3-AUG-2010 (causes no problems).

This bug has been fixed with HP PERFDAT V4.4.

4.2 *HP PERFDAT EVA extension*

4.2.1 Under rare conditions the EVA extension provides negative values for various statistics

Under rare conditions the EVA extension provides negative values for various statistics. Negative values are collected if:

- The EVA controllers unexpectedly resets its internal performance counters
- One or both EVA controllers do not respond to successive log-page requests within a sample period. As long as the controllers respond at least to every second log-page request this problem does not occur.

With HP PERFDAT V4.4 the EVA extension checks if negative values are caused by either of these conditions and if this is the case it dismisses the record instead of writing it into the data file.

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 V4.4 until you have installed these patches and you have rebooted your system.
