
HP OpenView Performance Agent

For the TRU64 Operating System

Release Notes

Software version: C.04.50 / October 2005

This document provides an overview of the changes made to HP OpenView Performance Agent (OVPA) for the C.04.50 release. It contains important information not included in the manuals or in online help.

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In This Version

OV Performance Agent was formerly called the MeasureWare Agent (MWA). In some places the names MeasureWare Agent and MWA might still appear. This release of OVPA supports the following features:

- This release of OV Performance Agent is supported on TRU64 5.1A and beyond.
- Supports HTTP and HTTPS-based data communication.
- Supports single port communication.

HTTPS enables secure communication. OVPA continues to support existing DCE or NCS-based communication. You can configure OVPA to use either DCE or NCS, or HTTP(S)-based data communication. Refer to Chapter 2 of the *HP OpenView Performance Agent Installation and Configuration Guide for TRU 64 Systems* for more details.

Important points to note are:

- HTTPS-based secure communication is supported only in the OVO 8.x environment.
- HTTP(S) data communication is supported using CODA.
- Applications that use performance data from OVPA can communicate with OVPA using HTTPS data communication. OV Performance Manager (OVPM) 5.0 can communicate with OVPA using HTTPS, while OV Reporter 3.6 and OV Performance Insight 5.1 can only communicate using HTTP data communication.

What is CODA?

CODA is a daemon that handles data communication (both HTTP and HTTPS) when delivered as part of OVPA. It also handles communication with `perfalarm`, the alarm management daemon. CODA, when delivered as part of OV Operations Agent enables lightweight system performance collection and Smart Plug-In support.

OVPA shares the Black Box Communication functionality with OV Operations. It includes the `ovbbccb` daemon that is started with and used by CODA. Switching to the new data communication facility makes communication across firewalls easier (see the *HP OpenView Performance Agent Installation and Configuration Guide for TRU64 Systems* for details).

- The DCE or NCS-based alarm management daemon, `alarmgen`, has been replaced by the HTTP-based `perfalarm`. The `Perfalarm` daemon is the preferred daemon to send alarms to OVO servers. The `alarmgen` daemon is still supported for sending alarms to OVPM 3.x (PerfView). Refer to Chapter 2 of the *HP OpenView Performance Agent Installation and Configuration Guide for TRU64 Systems* for information on how to set up `alarmgen` as the default alarm management daemon.
- This release includes the following new metrics:
 - `GBL_SWAP_SPACE_AVAIL`
 - `GBL_STATTIME`
 - `GBL_INTERVAL`
 - `GBL_ACTIVE_CPU`
 - `GBL_NET_ERROR_RATE`
 - `GBL_SYSTEM_UPTIME_SECONDS`
 - `GBL_NET_COLLISION_RATE`
 - `GBL_CPU_CLOCK`
 - `TBL_SHMEM_TABLE_USED`

- TBL_SHMEM_USED
- TBL_SHMEM_ACTIVE
- TBL_MSG_TABLE_USED
- TBL_SEM_TABLE_USED
- PROC_PAGEFAULT
- PROC_PAGEFAULT_RATE
- PROC_THREAD_COUNT
- BYCPU_CPU_TOTAL_TIME

Installation Notes

For installation requirements and instructions, refer *HP OpenView Performance Agent for TRU64 Installation and Configuration Guide*, provided as part of the product in Adobe Acrobat (.pdf) format as `ovpainst.pdf` in `/usr/opt/perf/paperdocs/ovpa/C/`.

Software and Hardware Requirements

Before installing OV Performance Agent, make sure that your system meets the following minimum hardware and software requirements:

- Hardware: AlphaServer Systems
- OS platform and compatibility: Compaq Tru64 UNIX operating system versions: 5.1A, 5.1B
- Disk space

OV Performance Agent installs in the `/usr/opt/perf/` and `/usr/opt/OV` directory and creates its log and status files in the `/var/opt/perf/` directory.

- recommended 70 MB in the `/usr/opt/perf/` and `/usr/opt/OV` directories for first-time installation of OVPA.
- recommended 60 MB in the `/var/opt/perf/` and `/var/opt/OV` directories for log and status files

- Compatibility

This version of OVPA supports DCE v4.2.

Special Installation Instructions

- OVPA 4.5 and OVO Agent 7.x cannot coexist on the same system.
- If you are installing OVPA 4.5 on a system where OVO Agent is also installed, then it is recommended you restart OVO Agent after OVPA 4.5 installation.
- If you have an HP OpenView Smart Plug-In (SPI) installation on your system, you must install the following software updates for the SPI to work successfully with OVPA 4.5.
 - If you are running OVO management server on Windows operating systems, then download and install the following OVO patch:
 - For OVO 7.2x download and install patch `OVOW_00201`
 - For OVO 7.5x download and install patch `OVOW_00202`

These patches can be downloaded from:

http://support.openview.hp.com/patches/patch_index.jsp

- If you are running OVO management server on UNIX operating systems (HP-UX and Solaris) then download and install the software update, DSI2DDF_A.02.02.00.sdtape.

DSI2DDF_A.02.02.00.sdtape can be downloaded from the following anonymous ftp location:

`ftp://ftp.hp.com/pub/ovreporter/ovpa_spi`

For more information about the software update, refer to the Readme file at the location

`ftp://ftp.hp.com/pub/ovreporter/ovpa_spi/ReadMe.txt`.

Enhancements and Fixes

This release provides fixes to the following major problems and change requests:

QXCR1000089286

PROBLEM: Connecting from OVPM to OVPA running in NCS mode may result in abort of the tomcat/app server.

FIX: This problem is fixed with this release.

QXCR1000088292

PROBLEM: OVPA does not handle symbolic links specified in application definition in `parm` file.

FIX: This problem is fixed with this release.

QXCR1000026767

PROBLEM: BYDSK_CURR_QUEUE_LENGTH is always logged as 0.

FIX: This problem is fixed with this release.

QXCR1000026815

PROBLEM: BYNETIF_IN_PACKET_RATE shows incorrect values

FIX: This problem is fixed with this release.

QXCR1000221841

PROBLEM: scopeux dumps core on Tru64 5.1 Patchkit 6

FIX: This problem is fixed with this release.

QXCR1000026331

PROBLEM: OVPA reports incorrect values for metric FS_SPACE_UTIL.

FIX: This problem is fixed with this release.

QXCR1000221894

PROBLEM: sdlutil throws UAC messages.

FIX: This problem is fixed with this release.

QXCR1000233643

PROBLEM: Memory leak in rep_server

FIX: This problem is fixed with this release.

QXCR100023363

PROBLEM: status.rep_server is filled up with spurious 6-digit hex numbers during log files roll-over.

FIX: This problem is fixed with this release.

Known Problems, Limitations, and Workarounds

QXCR1000287066

PROBLEM OVPA 4.5 and OVO Agent 7.x can not coexist on the same system.

WORKAROUND None

QXCR1000287066

PROBLEM Installation/uninstallation of OVPA 4.5 on a system with OVO 8.x running in non-root user mode switches the user id back to root for the ovc, coda, and ovbbccb processes.

WORKAROUND Run **ovswitchuser.sh** to fix the above problem.

QXCR1000291031

PROBLEM

In a HTTPS based secure data communication environment, OVPM 5.0 encounters a timeout condition while communicating with OVPA 4.5, if OVPA 4.5 is additionally configured for single port communication. Refer section "Communicating Across a Firewall" in the *HP OpenView Performance Agent Installation and Configuration Guide* (ovpainsst.pdf) for details about "Single port communication" and "Secure Communication".

WORKAROUND

When you wish to enable HTTPS data communication, use a fixed second port number instead of configuring coda for single-port communication. If you do not configure single-port data communication, then by default, OVPA's coda process will use a dynamically chosen second port (in addition to port 383 which is used by the ovbbccb communication broker process). This use of a dynamic port can be difficult when connecting to OVPA remotely through a firewall, because you will not know what firewall ports to open. Instead of configuring single- port data communication along with HTTPS, choose a port other than 383 that you will open in the firewall and then configure OVPA to use it for coda as follows.

```
1  ovconfchg -ns coda.comm -set SERVER_PORT <portnumber>
2  ovconfchg -ns coda.comm -set SERVER_BIND_ADDR 0
3  ovpa restart server
```

Documentation Errata

None.

Software Version Information and File Placement Plan

Version Information

For a summary of version strings for the major executable components of OV Performance Agent for the TRU64 Systems, use the following command:

```
/usr/opt/perf/bin/perfstat -v
```

File Placement

The following is a list of directory locations for product files:

Release Notes:

```
/usr/opt/perf/ReleaseNotes/
```

Executables including daemons and scripts:

```
/usr/opt/perf/bin/
```

Shared component binaries:

/usr/opt/OV/bin/
/usr/opt/OV/sbin/

Shared component libraries:

/usr/opt/OV/lib/

Examples (refer to the README file in the directory for more information):

/usr/opt/perf/examples/

Man pages:

/usr/opt/perf/man/

Printable documents:

/usr/opt/perf/paperdocs/ovpa/C/

Default configuration and template files:

/usr/opt/perf/newconfig/

Product configuration and status files:

/var/opt/perf/
/var/opt/OV/conf/perf/

Product binary data and internal-use files (created during and after installation):

/var/opt/perf/datafiles/

Library files:

/usr/opt/perf/lib/

OVPA bootup scripts:

/etc
/etc/default

Online help files:

/usr/opt/perf/help/ovpa/C/

Message catalogs:

/usr/opt/perf/lib/nls/msg/C/

Local Language Support

Localized OV Performance Agent is not currently available for this release.

Support

Please visit the HP OpenView support web site at:

<http://www.hp.com/managementsoftware/support>

This web site provides contact information and details about the products, services, and support that HP OpenView offers.

HP OpenView online software support provides customer self-solve capabilities. It provides a fast and efficient way to access interactive technical support tools needed to manage your business. As a valuable support customer, you can benefit by using the support site to:

- Search for knowledge documents of interest
- Submit enhancement requests online
- Download software patches
- Submit and track progress on support cases
- Manage a support contract
- Look up HP support contacts
- Review information about available services
- Enter discussions with other software customers
- Research and register for software training

Most of the support areas require that you register as an HP Passport user and sign in. Many also require a support contract.

To find more information about access levels, go to:

http://www.hp.com/managementsoftware/access_level

To register for an HP Passport ID, go to:

<http://www.managementsoftware.hp.com/passport-registration.html>

Online Documentation

To check for recent updates or to verify that you are using the most recent edition, visit the following URL:

http://ovweb.external.hp.com/lpe/doc_serv/

- 1 In the Product list, click the product name.
- 2 In the Version list, click the version number.
- 3 In the OS list, click the OS type.
- 4 In the document list, click the document title.
- 5 To retrieve the document, click **Open** or **Download**.



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