

HP Insight Management Agents for OpenVMS¹

Release Notes

Version 3.01

The following notes describe features available and problems that have been corrected in Version 3.01 of the Management Agents for OpenVMS.

These notes are in the following categories:

- Section 1, Features and Problems Corrected in Version 3.01
- Section 2, Operation Notes
- Section 3, Problems that Remain in Version 3.01
- Section 4, Features Planned for Future Releases
- Section 5, Trademarks

1 Features and Problems Corrected in Version 3.01

This section describes product features. It also describes problems that have been corrected in this release of the Management Agents for OpenVMS.

- **Support for Secure Sockets Layer (SSL) and Certificates**

Version 3.01 of the Management Agents for OpenVMS provides a Secure HTTP server that uses Secure Sockets Layer (SSL) security for all communication between the OpenVMS server and web browser. By default, a self-signed certificate is generated, but for increased security, this can be replaced by a certificate signed by a Certificate Authority. Refer to Section 3 of the User Guide for more information.

Note that as a result of this change, the URL to access the Device Home Page on your OpenVMS system is changed to <https://host:2381>.

- **OpenVMS Account Login and OS Authentication**

Version 3.01 of the Management Agents for OpenVMS uses OpenVMS user accounts for login security instead of the built-in accounts used in previous versions. The user name and password are authenticated against the OpenVMS account database, which increases the security of the system. Anonymous access is disabled by default.

OpenVMS accounts are mapped to the Management Agents internal “administrator” and “operator” accounts. The OpenVMS system administrator maps users to one of these accounts using the WBEM\$ADMIN and WBEM\$OPERATOR rights identifiers. Refer to Section 3.1, “Introduction to Using the Secure HTTP Server for OpenVMS” in the User Guide for more details.

- **Additional CPU Utilization Thresholds**

Version 3.01 of the Management Agents for OpenVMS allows you to define thresholds on CPU utilization for time intervals of 1 minute, 5 minutes, 30 minutes and 1 hour. If the CPU utilization for a time interval exceeds the threshold, an SNMP trap is generated. Thresholds can be defined separately for each CPU.

- **Support for Falling Thresholds**

Version 3.01 of the Management Agents for OpenVMS supports falling thresholds for File System utilization, CPU utilization, and Physical Memory utilization. Select the “Enable Falling Thresholds” option on the page displaying File System, CPU utilization and Memory

¹ Formerly Compaq Management Agents for OpenVMS.

utilization data to enable falling thresholds. When this option is enabled, SNMP traps are generated when the utilization drops below the critical and warning thresholds.

Note

Falling thresholds cannot be enabled or disabled selectively for individual disks and CPUs. The selection affects all thresholds on the corresponding page.

- **Location of Temperature Sensors and Fans**

Version 3.01 of the Management Agents displays the location of temperature sensors and fans on GS80, GS160, GS320 and later systems.

Note

Refer to the Installation Guide for the prerequisites for viewing environmental details on GS80 and later systems.

- **Support for HP OpenView**

Version 3.01 of the Management Agents allows OpenVMS systems to be managed from HP OpenView Network Node Manager (NNM) using the Insight Manager 7 plug-in. The following functions are available through NNM:

- NNM recognizes OpenVMS systems and displays an appropriate icon on the network map.
- NNM recognizes SNMP traps generated by the Management Agents for OpenVMS.
- The Device Home Page on an OpenVMS system can be launched using the 'Web Enabled' link from NNM.
- The color of the icon in the OpenView Network Node Manager map reflects the overall system status, similar to Insight Manager 7.

Note

1. Please refer to Customer Advisory ES020828_CW01 titled "OpenVMS Systems Are Not Identified Correctly Using Insight Integration for HP OpenView Network Node Manager (NNM)" for updated instructions required to ensure that OpenVMS systems are recognized by HP OpenView NNM. You can quickly locate this advisory by searching for the advisory number on the <http://www.hp.com> web site.
 2. The Insight Integration for HP OpenView NNM product can be downloaded from this URL:
<http://h18013.www1.hp.com/products/servers/management/openview/index.html>.
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- **Additional DCL SHOW Commands**

The following additional DCL commands are available from the DCL SHOW agent:

- | | |
|-------------|---|
| SHOW SYSTEM | - Displays information about Process ID, User name, Process name, State, Priority, I/O buffer and CPU usage. Clicking on each individual process hyperlink provides more information about the process. |
| SHOW DEVICE | - Displays information about all the Disk Devices, Ethernet Devices, Tapes & Mailboxes, BG /TCP/IP Mailboxes & Channels, DECWindows Input Devices and DECWindows Pseudo Devices. |

- **Web pages updated to Version 5.5 of the Insight Manager web pages**

The Management Agents for OpenVMS have been updated to use Version 5.5 of the Insight Manager web pages.

- **Defining logical names used by the Management Agents for OpenVMS**

Version 3.01 of the Management Agents uses the file SYSS\$MANAGER:WBEM\$LOGICALS.COM to define all the logical names used by the Management Agents for OpenVMS. This file lists all the logical names supported by the agents, but the lines are commented out by default. Using a text editor, open this file, uncomment the lines containing the logical names you require, and edit the parameters if required. This file includes comments that explain the significance of each logical name.

The startup procedure runs this file to define the logical names required by the Management Agents. These logical names are deleted during the shutdown procedure.

- **Problems Corrected**

- Processing HTTP POST request takes indefinite time.
- Selection of option "Synchronize thresholds for all volumes" to set thresholds for multiple CPUs or disks takes indefinite time on TCPware and Multinet stacks.
- Management agents do not authenticate password containing special characters like \$,_,.
- Accessing agents through browser results in blank page. The login screen is never displayed.
- Accessing 'HP Insight Management agents for OpenVMS' icon results in HTTP 404 Page Not Found error.
- OpenVMS DCL SHOW Commands 'ALL DISK DEVICE' link lists only DK devices.

2 Operation Notes

Version Limits:

Please note that the Management Agents for OpenVMS places a version limit of four on files in the following directories:

[WBEM.WEB.IM]

[WBEM.WEB.IM.WEBAGENT.TEMP]

3 Problems that Remain in Version 3.01

The following problems exist in Version 3.01:

- With Internet Explorer 5.5 and update version SP1;Q288993; Q290108; Q299618, manually refreshing the utilization pages may cause the WBEM\$SERVER process to hang. Upgrading to Internet Explorer 5.5 SP2 resolves this problem.
- Environmental information such as temperature, fan status, and power supply information will not be available on New Generation HP Alpha Servers (GS1280, ES47, ES80 and later) until a future release of the OpenVMS operating system.
- If you use HP Secure Web Browser (Mozilla) or Netscape Version 6.2 and later, and attempt to log in with a different user name, the login screen may reappear with the new user name listed instead of the Device Home Page. If this happens, click the "Device Home Page" link displayed on the page to manually switch to the device page.
- Before upgrading your OpenVMS operating system to a Major release (for example, upgrading from Version 7.3 to 8.0) or to a New feature release (for example, upgrading from Version 7.2-2 to 7.3), you must remove the Management Agents from your system before performing the upgrade. After upgrading OpenVMS, install a version of the Management Agents that is appropriate for the new version of OpenVMS.

For example, if you are upgrading from OpenVMS version 7.2-2 to 7.3, you must remove the Management Agents before upgrading OpenVMS, using the following DCL command

```
$ PRODUCT REMOVE V72_MGMTAGENTS
```

- On AlphaServer DS15 system, the Power Supply link lists all the power sensors on the system rather than the physical power supplies

4 Features Planned for Future Releases

The following features are planned for future releases:

- Support for non-public SNMP community names
- Update the HTTP server, MIB versions and web pages to match Insight Manager standards

5 Trademarks

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