

BMC® Performance Manager for Hardware by Sentry Software™

Version 1.4.00
January 9, 2007

Sentry Software is releasing version 1.4.00 of the BMC® Performance Manager for Hardware by Sentry Software™ product formerly known as Hardware Sentry KM for PATROL® by Sentry Software™. These release notes provide information about the enhancements and problems resolved in this release. The information in this document supplements and supersedes information in the Hardware Sentry product manuals.

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What's New

This section describes the principal new features of this product.

Support for new platforms

Version 1.4.00 features support for the following additional platforms:

Platform Operating system	Monitoring features	Required software
HP Integrity, HP 9000, HP 3000, PA-RISC-based SuperDome running HP-UX	Temperature, Fans, Power Supplies	HP Integrated Lights-Out Management Card (also known as "MP – Management Processor" or "GSP – Guardian Service Processor")
Promise FastTrack RAID controllers	Disk controller, physical disks and logical disks	Promise FastTrack SNMP Agent
HP BladeSystem servers	Power Supplies, Temperature, Fans and Fuses	HP Insight Management Agent
IBM CHRP-based AIX systems (pSeries and eServer p5 servers)	System Cooling and System Power	None.
Sun Serverblade1 servers	Temperature, Fans, Voltages and Power Supplies	None.

New features

The product has the following new features:

Features	Description
Ability to monitor several systems from one agent	Starting with version 1.4.00, BMC Performance Manager for Hardware (Hardware Sentry) is able to monitor the hardware of several systems including several remote ones. This feature facilitates the monitoring of devices on which one cannot install a PATROL Agent, like blade servers' chassis or tape libraries. The remote monitoring feature is however limited to SNMP or TELNET-based and WMI collects.
Memory module monitoring on Sun SPARC-based servers	When this information is available, Hardware Sentry can now monitor the memory modules on various Sun SPARC-based servers running Sun Solaris.

What's changed

Enhancement	Description
Hardware Sentry Internal Messages	You can now specify how you would like to be notified of Hardware Sentry's internal messages. Internal Messages can be sent to the System Output Window or as PATROL events. You can also choose to receive only problem-related messages.
HP Smart Array Disk Controller status and battery monitoring	The battery status and the status of HP Smart Array Disk Controllers are now monitored through the ControllerStatus and BatteryStatus parameters of the MS_HW_DISKCONTROLLER class.
IntrusionStatus alert acknowledgment	IntrusionStatus alerts can now be acknowledged through a KM Command. You can also choose to disable the intrusion detection mechanism.
Improved speed	The startup sequence of Hardware Sentry has yet again been optimized and completes much faster.

Enhancement	Description
Reworked GUI	<p>The graphical user interface has been reworked to prevent the need for window resizing on UNIX PATROL Consoles and PATROL Central Web Edition.</p> <p>Also, the user is made aware of operations Hardware Sentry cannot perform due to insufficient privileges.</p>
Parameter types	<p>Temperatures, voltages, and fan speeds parameters have been changed to the Gauge parameter type.</p> <p>Status parameters have been changed to the SpotLight parameter type.</p>
Voltage alert ranges	<p>The “Border-type” alert range for the Voltage parameters has been replaced by an “Alarm1” and “Alarm2” alert ranges in order to easily visualize these thresholds in the parameter’s graph.</p>

Corrected problems

Tracking number	Description
N/A	The missing device detection mechanism was not working on most Sun Solaris systems “across” reboots.
P1013	Temperature alert thresholds were too low on Sun Fire V490 servers which sometimes led to false alerts.
P1013	Hardware Sentry was unable to monitor the processors of the Sun Fire V1280 server and incorrectly displayed a single processor instance in the PATROL Consoles.
P1013	Hardware Sentry was unable to retrieve the status of processors of the Sun Fire V440 server.
P1013	Incorrect reporting of failing fans on Sun Fire V210 and V240 servers.

Tracking number	Description
P1013	On V100, V110 and V120 servers, Hardware Sentry left empty temporary files in the /tmp directory when not configured with the root account.
P1010	<p>When started in debug mode and with several SNMP sub-agents running, Hardware Sentry continuously sends SNMP requests to the SNMP master agent thus leading to high processor time usage on the monitored host.</p> <p>This bug occurs during the initialization phase of Hardware Sentry and only in debug mode when it gathers miscellaneous information about the local environment.</p>
P1016	Incorrect reporting of a memory module failure on newer HP servers.
P1017	<p>Incorrect interpretation of S.M.A.R.T. values for ATA drives.</p> <p>Hardware Sentry now supports the newest versions of SmartMonTools.</p>
N/A	Hardware Sentry did not discover HostRAID controllers in IBM xSeries servers. Error messages were posted in the System Output Window because Hardware Sentry was not able to attach the physical disk icons to their respective controller.
P1020	<p>Hardware Sentry did not properly discover the network cards on HP-UX machines:</p> <ul style="list-style-type: none"> - On some systems, only one network interface was discovered. - Virtual network cards (aggregate links) were incorrectly discovered as physical ones. <p>Also, network cards that were not plugged into the network always raised alerts. With this updated connector, the link status is reported through the LinkStatus parameter which only raises alerts when a previously plugged-in network card is not connected anymore.</p>
P1021	Under certain conditions, the version 1.3.01 of Hardware Sentry could cause a 500KB per day memory leak in the PATROL Agent process when using SNMP-based agents (mainly HP Insight Management, Dell OpenManage and Fujitsu-Siemens Serverview).

Product Documents

The following documents support the product:

- *BMC Performance Manager for Hardware by Sentry Software - User Guide*
- *BMC Performance Manager for Hardware by Sentry Software - Installation Guide*
- *BMC Performance Manager for Hardware by Sentry Software - Reference Guide*

To view the latest BMC Software books and release notes, visit the Customer Support Web page at http://www.bmc.com/support_home.

The supporting documents can also be downloaded from the Sentry Software website at: <http://www.sentrysoftware.net/downloadHardwareSentry.asp>

Customer Support

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BMC Software, Inc.
2101 CityWest Blvd., Houston, TX 77042-2827 • 713 918 8800
Customer Support: 800 537 1813 (United States and Canada) or contact your local support center