



# Release Notes

## BMC® Performance Manager Express for Hardware by Sentry Software™

Version 2.5.00

July 09, 2008

Sentry Software is releasing version 2.5.00 of the product BMC Performance Manager Express for Hardware. These release notes provide information about the enhancements and resolved problems in this release.

The following topics are discussed:

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## What's New

These topics describe the major new features of this product.



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## New Supported Connectors/Platforms

The table below describes the new supported connectors/platforms:

Connectors/Platforms	Description
Dell DRAC/MC (Dell Remote Access Controller/Modular Chassis)	Provides environmental information (temperatures, fans and power supplies) on Dell Blade servers through the Dell Remote Access Card (DRAC)
Fujitsu-Siemens ServerView RAID Agent	Provides disk and RAID information for various RAID controllers from different manufacturers: Adaptec and LSI
IBM Director Agent 5.20 Linux	<p>Adds support for the version 5.20 of the IBM Director Agent on Linux systems. Enables monitoring:</p> <ul style="list-style-type: none"> <li>▪ Disk controllers</li> <li>▪ Logical disks, RAIDs</li> <li>▪ Physical disks</li> <li>▪ Fans</li> <li>▪ Voltage</li> <li>▪ Temperature</li> <li>▪ Power supplies</li> <li>▪ Memory modules</li> <li>▪ Processors</li> <li>▪ Enclosure model</li> </ul>
LSI MegaRaid SAS on Fujitsu-Siemens PRIMERGY servers, Bull NovaScale and NEC Express5800 servers	<p>Adds support for the LSI MegaRaid SAS disk controllers embedded in various server models. Enables monitoring:</p> <ul style="list-style-type: none"> <li>▪ Disk controllers</li> <li>▪ Logical disks, RAIDs</li> <li>▪ Physical disks</li> </ul>
LSI Logic - LsiUtil – RAID on Sun Fire (x64) systems running Linux/Sun Solaris	<p>Provides physical and logical disk information. Enables monitoring:</p> <ul style="list-style-type: none"> <li>▪ Disk controllers</li> <li>▪ Logical disks</li> <li>▪ Physical disks</li> </ul>

Connectors/Platforms	Description
SMS (System Management Services) on Sun F12K, F15K, F20K and F25K	Supports the SMS v 1.5 & v1.6 that run on the System Controller of Sun F12K, F15K, F20K and F25K servers. Enables monitoring: <ul style="list-style-type: none"> <li>▪ Temperatures</li> <li>▪ Fans</li> <li>▪ Voltages</li> <li>▪ Power supplies and currents</li> <li>▪ Domains and system boards (CPU and IO)</li> </ul>
Sun Advanced Lights-Out Management (ALOM) cards (out-of-band) on Sun SPARC system	Adds remote monitoring (out-of-band) of a Sun SPARC server through its management card for systems such as Sun Fire T1000, T2000, V210, V240, V440, etc. Enables monitoring: <ul style="list-style-type: none"> <li>▪ Internal hard disks</li> <li>▪ Temperatures</li> <li>▪ Fans</li> <li>▪ Voltages</li> <li>▪ Power supply and current</li> </ul>
Sun Solaris - Environment (ALOM-CMT snapshot)	Provides environmental and disk information on Sun SPARC T1/T2 servers equipped with an ALOM card. Gathers the hardware information from the ALOM card in. Enables monitoring: <ul style="list-style-type: none"> <li>▪ Enclosure model</li> <li>▪ Fans</li> <li>▪ Temperature sensors</li> <li>▪ Voltage sensors</li> <li>▪ Other devices</li> <li>▪ Power supplies</li> <li>▪ Physical disks</li> </ul>

## SNMPv2c and v3

BMC Performance Manager Express for Hardware now supports SNMP v2c and SNMP v3 in addition to SNMP v1.

# What's Changed

## Version Compatibility & Migration

Owing to structural enhancements in BMC Performance Manager Express for Hardware version 2.5.00, it is not compatible with any versions of BMC Portal prior to version 2.5.00. For the same reasons, automatic migration from previous versions of BMC Performance Manager Express for Hardware is not feasible. It is essential to uninstall the previous version and only then install and load BMC Performance Manager Express for Hardware version 2.5.00 on BMC Portal v2.5.00.

## Enhancements and Corrected Problems

The following problems were reported in earlier releases of BMC Performance Manager Express for Hardware and have been corrected in this release:

Platform or Instrumentation Agent	Corrected Issues
Dell PowerEdge	Added: The status of the DRAC card (if any) is now reported (in the "Other Devices" category)
HP c-Class BladeSystem with the HP iLO card	Fixed: Discovered power supplies were generating alerts on the <i>Used Capacity</i> parameter.  Since the power consumption report appears to be broken on the HP BladeSystem's iLO card, the <i>Used Capacity</i> parameter has been deactivated and only the <i>Status</i> parameter remains enabled.
HP-UX systems installed with Support Tools Manager	Fixed: Duplication of objects in the Portal interface Improved: Fewer commands require root privileges.
HP-UX systems installed with Integrated Lights-Out Management Card (iLO) management card or, service processor MP or GSP commands	Fixed: On certain HP-UX servers, most hardware components and sensors were properly discovered but no collect was performed for all the objects.
IBM Director Agent 5.20	Added: Version 5.20 of the IBM Director on IBM xSeries servers running Windows or Linux is now fully supported

Platform or Instrumentation Agent	Corrected Issues
IBM eServer p5 server running AIX	Fixed: BPM Express for Hardware was unable to report the global powering and cooling status of some AIX servers.
NEC Express 5800/ Bull NovaScale servers running Microsoft Windows or Linux.	Fixed: <ul style="list-style-type: none"> <li>▪ Bull servers were incorrectly reported as NEC servers</li> <li>▪ On some servers, the temperature sensors were always in <i>Warning</i> due to an incorrect threshold value.</li> </ul>
Sun SPARC systems	Fixed: <ul style="list-style-type: none"> <li>▪ Faulty processors were incorrectly reported with an "unknown status"</li> <li>▪ Monitored components were randomly marked as "missing" on some systems (due to the prtdiag command that at time took more than 30 seconds to complete)</li> <li>▪ Some external disks (like in a storage array) were incorrectly discovered and monitored as internal disks</li> <li>▪ On Solaris 10, BMC Performance Manager Express was unable to report the actual temperatures, voltage levels and fans speeds</li> </ul>
Sun SPARC-T1 and T2 systems	Improved: BPM Express for Hardware is now able to monitor the environment (temperature, fans, currents, voltages and power supplies) of Sun SPARC-T1 and T2 systems through their ALOM card (telnet and SSH)
VMWare ESX Host system	Fixed: Network cards on VMWare ESX Host systems were not properly detected.
General	Improved: The initialization sequence of BPM Express for Hardware is optimized.

Platform or Instrumentation Agent	Corrected Issues
General	<p>Improved: SSH/Telnet connections are established for each collect i.e. every 5 minutes and any/all commands are executed during the same session. The session is closed only at the end of the collect.</p> <p>This optimizes the processing time and resources as compared to the previous versions where an SSH/Telnet connection was established for each command leading to approximately 10-15 connections per collect.</p>

## Support Status

For more information about the latest Support policies, see the Customer Support page on the BMC Software Web site at [http://www.bmc.com/support\\_home](http://www.bmc.com/support_home).

## Product Documents

The following documents support the product:

- [BMC Performance Manager Express for Hardware – Installation Guide](#)
- [BMC Performance Manager Express for Hardware – User Guide](#)
- [BMC Performance Manager Express for Hardware – 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](http://www.bmc.com/support_home) or the [BMC Performance Manager Express for Hardware](#) page on the Sentry Software website.

## Customer Support

If you have problems with or questions about a BMC Software product, go to the BMC Software Customer Support page at [http://www.bmc.com/support\\_home](http://www.bmc.com/support_home). You can view and download product documents, release notes, frequently asked questions, and related information from the Customer Support Web site. If you do not have access to the Web and you are in the USA or Canada, contact BMC Software Customer Support at 800 537 1813. Outside the USA or Canada, contact your local BMC Software office or agent.

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