



Release Notes

BMC® Performance Manager Express for Hardware by Sentry Software™

Version 2.3.14
November, 2007

Sentry Software is releasing version 2.3.14 of the BMC® Performance Manager Express for Hardware. These release notes provide basic information about the new version of the product.

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What's New?

These topics describe the major new features of this product.

OpenVMS platforms supported

BMC Performance Manager Express for Hardware can now monitor hardware components running on OpenVMS platforms.

Version 5.20 of IBM Director Agent supported on Linux

BMC Performance Manager Express for Hardware can now supports the monitoring of systems using the v5.20 of the IBM Director Agent on Linux systems. Previous versions only supported Director 5.20 on Windows only and 5.10.3 on Linux.

UNIX/Linux: SUDO utility feature available

Depending on the targeted platform, BMC Performance Manager Express for Hardware may use some external system utilities to gather hardware information. Sometimes the default user account does not have sufficient privileges to execute these commands and it is not possible in your environment to give super-user rights to the Portal.

In such cases BMC Performance Manager Express for Hardware is able to use the "sudo" utility to execute external commands as "root". The "sudo" utility helps UNIX system administrators secure their environment by authorizing some users to execute only some specified commands as another user account (typically root).

Enhancements and Corrected Issues

These topics describe product enhancements in this product release.

Hardware Component/ Platform	Enhancement or Correction Description
Disk monitoring on HP-UX	BMC Performance Manager Express for Hardware now uses the Support Tools Manager component of HP-UX. It no longer requires root privileges and can also support disks not handled by LVM.
Memory-modules on HP-UX	This version has better monitoring capabilities of memory modules on HP-UX.
HP-UX	On some HP-UX servers, where the monitoring was done using the iLO, MP or GSP management card, most of the hardware components and sensors were properly discovered but no collect was performed.
HP c-Class BladeSystem enclosure	When the monitoring was done through HP iLO card, sometimes all discovered power supplies generated alerts on the UsedCapacity parameter. Since the power consumption report seems to be broken on the HP ILO card, the UsedCapacity parameter has been deactivated and only values for the Status parameter will be collected.
Physical disks	Physical disk size did not always convert correctly to Gigabytes
Physical disks, Logical disks and Memory modules	The value for the Parameter <i>ErrorCount</i> was not collected correctly
N/A	Whenever WMI was used, the InputStream and BufferedReader was not closed after launching the WMI Script.
Network cards	Network cards on a VMWare ESX Host system were not properly detected.

Migration

Migration from BPM Express for Hardware v2.3.09 to v2.3.14

BPM Express for Hardware includes an automatic migration feature. In order to upgrade to a newer version, all you need to do is import the new version, and the Portal will migrate all the elements from the previous version, to the upgraded version of the BPM Express for Hardware application class. There will be no loss of any customized thresholds set in the previous version.

However, if you are migrating from a version prior to 2.3.09, please read the sections below for appropriate instructions.

Migrating from BPM Express for Hardware v2.3.x to v2.3.09

BPM Express for Hardware includes the automatic migration feature. In order to upgrade to a newer version, all you need to do is import the new version, and the Portal will migrate all the elements from the previous version, to the upgraded version of the BPM Express for Hardware application class. There will be no loss of any customized thresholds set in the previous version.

Given that version 2.3.09 has enabled thresholds of the parameters *IntrusionStatus* and *BatteryStatus* under Enclosure and Disk Controller application classes respectively; migrating to this new version through the above-mentioned method will not automatically activate the two parameters. (This is done to safe-guard against loss of previous customization- if any.) Therefore, to activate these parameters the two options are:

- A. Manual activation: Go to the **Configure tab > Edit Thresholds >** select *IntrusionStatus* and *BatteryStatus* parameters. You could do this either for each element or, easier still through the Element Profile route – if the elements have been created that way.
- B. The other option is to completely remove the BPM Express for Hardware application class, and reload (import) it again, just as one would load a new Performance Manager. This undoubtedly entails loss of any customized settings, if any.

Migrating from previous versions:

BPM Express for Hardware v2.2

Due to structural changes made in BMC® Portal version 2.3, BMC Performance Manager Express for Hardware version 2.3.00 upwards is not compatible with any version of the Portal prior to v2.3. All customers, whether existing or new, are first required to upgrade to Portal v2.3 and then install BPM Express for Hardware v2.3.

Migrating from BPM Express for Hardware v2.0/v2.1

Customers who have purchased v2.0 or v2.1 of BPM Express for Hardware and are covered by a maintenance contract can migrate to the much more versatile v2.3.x at no additional cost. However, there is no configuration to automatically migrate your monitored elements from the 2.0/2.1 versions of BPM Express for Hardware to v2.3.x

This migration has to be manually done just like a first-time installation, which is, rapid, simple and does not require many operations. Please bear in mind that for BMC Performance Manager Express for Hardware v2.3.x, the minimum version of BMC® Portal is v2.3.

Migrating from Hardware Sentry KM for PATROL® to BMC Performance Manager Express for Hardware v2.3x

Existing customers of Hardware Sentry KM for PATROL® can avail of BPM Express for Hardware for free, *if* they choose to use the BMC® Portal environment.

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](#)

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