

BMC® Performance Manager Express Monitoring Studio by Sentry Software™

Version 2.5.00
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BMC Software is releasing version 2.5.00 of the BMC Performance Manager Express Monitoring Studio product. These release notes provide information about this first release of this new product which is an agent-less Performance Manager designed for the BMC® Portal environment. The information in this document supplements and supersedes information in the BMC Performance Manager Express Monitoring Studio product manuals.

The following topics are discussed:

What's New	1
Diverse monitoring tools through one solution for BMC® Portal.....	1
Agent-less version of the product BMC® Performance Manager Monitoring Studio (KM for PATROL®)	2
Web-based Interface and Remote Monitoring.....	2
Compatibility and Integration with BMC® Portal	2
Monitoring Tools	2
What's Required.....	3
Prerequisites.....	3
Supported Platforms	4
Product Documents	5
Customer Support.....	5

What's New

These topics describe the major new features of this product.

Diverse monitoring tools through one solution for BMC® Portal

BMC Performance Manager Express Monitoring Studio offers several monitoring tools for the BMC Portal environment. It enables consolidation of diverse monitoring needs through just one solution. The different tools offered are described in brief in this document.



Agent-less version of the product BMC® Performance Manager Monitoring Studio (KM for PATROL®)

BMC Performance Manager Express Monitoring Studio is an agent-less version of the product BMC Performance Manager Monitoring Studio (KM for PATROL). Being an agent-less Performance Manager for BMC® Portal, this product does not require the PATROL agent.

Web-based Interface and Remote Monitoring

Being a Performance Manager for the web-browser based BMC Portal; the interface is the same as for all Performance Managers on the Portal. Being fully integrated with the Portal, the product offers the same features and capabilities of the Portal that enable remote monitoring.

The software is to be installed on just one computer and can remotely monitor as many “elements” as added. Please see the corresponding product documentation and/or BMC Performance Manager Portal documentation for more information.

Compatibility and Integration with BMC® Portal

BMC Performance Manager Express Monitoring Studio v2.5 is fully integrated with BMC Portal version 2.5.00. It is not compatible with any version of the Portal prior to v2.5.

Monitoring Tools

BMC Performance Manager Express Monitoring Studio v2.5 includes the following monitoring tools:

Application Classes/Monitoring Tools	Description
Studio - JMX Polling (JBoss) Studio - JMX Polling (JOnAS) Studio - JMX Polling (WebLogic) Studio - JMX Polling (WebSphere) Studio - JMX Polling (Standard or Standalone JMX applications)	Retrieve and analyze the values of MBean objects in java-enabled application servers.
Studio - LOG File Monitoring and Analysis (Windows) Studio - LOG File Monitoring and Analysis (UNIX/Linux)	Monitor and parse LOG files on Windows, UNIX and Linux systems

Application Classes/Monitoring Tools	Description
Studio - Remote Command Execution and Analysis (Windows) Studio - Remote Command Execution and Analysis (UNIX/Linux)	Execute remotely and analyze the output of a command line on Windows/UNIX/Linux.
Studio - SNMP Polling	Retrieve values of single OIDs and SNMP tables.
Studio - WBEM Request (Windows WMI, CIM over RPC) Studio - WBEM Request (CIM over HTTP)	Retrieve and analyze the result of WBEM queries.
Studio - Web Request (Simple, HTTP GET) Studio - Web Request (Post a form, HTTP POST)	Send HTTP(S) requests and analyze Web server responses.
Numeric Value Extraction (integrated within each class)	Extract numeric values from the return output of monitored instances of all application classes.
String Search (integrated within each class)	Run string searches on the return output of monitored instances of all application classes.

What's Required

These topics describe what is required to use this product.

Prerequisites

To use BMC Performance Manager Express Monitoring Studio, it is essential to have:

- 1 BMC® Performance Manager Portal version 2.5.00
- 2 Access to an RSM i.e. Remote Service Monitor
- 3 The solution file: BPM-Express-MonitoringStudio-2.5.00.par

The solution file is to be uploaded to the Portal environment like any other Performance Manager designed for BMC Portal. Please refer to the Installation Guide for further details.

Supported Platforms

BMC Performance Manager Express Monitoring Studio does not support a specific set of platforms *per se* for the managed elements. The product provides a set of tools that allows the user to interrogate and retrieve information from a managed element through a set of protocols. These protocols are in turn supported by an open-ended range of systems, hardware devices and software components. The protocols used are:

- HTTP and HTTPS
- JDBC (Java API for database connections)
- JMX (JBoss, JOnAS, IBM WebSphere, BEA WebLogic, Sun)
- SNMP version 1
- SSH version 1, 2
- Telnet
- WMI (WBEM through RPC on Windows)
- WBEM (CIM over HTTP)

The following table recapitulates the managed elements that can be monitored through each protocol and the potential pre-requisites on the managed element.

Protocol	Managed Elements
HTTP/HTTPS	Any Web site and application or device attached to the network providing a Web-based interface
JDBC	<ul style="list-style-type: none"> ▪ Microsoft SQL Server 7, 2000 and 2005 ▪ Oracle Database Server 8, 9i and 10g ▪ MySQL Server
JMX	Any system running a JMX-enabled Java application. This includes standalone Java applications as well as applications running the following Java application servers: <ul style="list-style-type: none"> ▪ JBoss 3.2.x, 4.x ▪ JOnAS 4.x ▪ IBM WebSphere 5.x and 6.x ▪ BEA WebLogic 8.x and 9.x
SNMP	Any system or device attached to the network supporting the SNMP protocol version 1 (server, storage device, network router, printer, etc.)
SSH	Any UNIX-like system with the sshd daemon running. SSH is used to execute commands in a UNIX/Linux shell.
Telnet	Any UNIX-like system with the telnetd daemon running. Telnet is used to execute commands in a UNIX/Linux shell.
WBEM	Any system or device attached to the network supporting the WBEM over HTTP protocol

Product Documents

The following documents support the product:

- *BMC® Performance Manager Express Monitoring Studio - Release Notes*
- *BMC® Performance Manager Express Monitoring Studio - Installation Guide*
- *BMC® Performance Manager Express Monitoring Studio - User Guide*

To view the latest BMC Software books and release notes, visit the Customer Support Web page at http://www.bmc.com/support_home or visit the BMC Performance Manager Express Monitoring Studio page on the [Sentry Software website](#), from where you can download updates, as well as all the support documents in PDF format. You can also refer to the online version of the support documents in the [Online Technical Library](#).

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. 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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