

# BMC Performance Manager Express for SharePoint v.2.7.00

## Reference Guide



October 2009

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### United States and Canada

**Address** BMC Software, Inc.  
2101 CityWest Blvd. Houston TX 77042-  
2827

**Telephone** 713 918 8800 or  
800 841 2031

**Fax** 713 918 8000

### Outside United States and Canada

**Telephone** (01) 713 918 8800

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### Before Contacting BMC Software

Before you contact BMC Software, have the following information available so that Customer Support can begin working on your problem immediately:

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## Overview

BMC Performance Manager Express for SharePoint is an agent-less Performance Manager for the BMC® Portal environment. It enables you to setup the monitoring of Microsoft Windows SharePoint Services 2.0 and 3.0 as well as Microsoft Office SharePoint Server 2003 and Microsoft Office SharePoint Server 2007.

Being a Performance Manager specifically designed for BMC Portal, BMC Performance Manager Express for SharePoint uses the Portal's web-based interface and features for installing, managing and monitoring your infrastructure.

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## Before Contacting BMC Software

Before you contact BMC Software, have the following information available so that Customer Support can begin working on your problem immediately:

### *Product information*

- product name
- product version (release number)
- license number and password (trial or permanent)

### *Operating system and environment information*

- machine type
- operating system type, version, and service pack or other maintenance level such as PUT or PTF
- system hardware configuration
- serial numbers
- related software (database, application, and communication) including type, version, and service pack or maintenance level

### *Sequence of events leading to the problem*

## Reference Guide

This document details the main application classes corresponding to the main monitoring tools of BMC Performance Manager Express for SharePoint. It provides useful information on the parameters for each application class as well as the alert conditions for each parameter.

Being a Performance Manager specifically designed for BMC Portal, BMC Performance Manager Express for SharePoint uses the Portal's web-based interface and features for installing, managing and monitoring your infrastructure.

## Application Classes

This section familiarizes you with all the Application Classes used by BMC Performance Manager Express for SharePoint on the Portal. It gives a detailed view of each application class describing its function and parameters.

The available Application Classes for BMC Performance Manager Express for SharePoint are:

- [SEN\\_WSS\\_ASPNET](#)
- [SEN\\_WSS\\_DATABASE](#)
- [SEN\\_WSS\\_EVENT\\_LOG](#)
- [SEN\\_WSS\\_HTTP](#)
- [SEN\\_WSS\\_NETCLRMEMORY](#)
- [SEN\\_WSS\\_PROCESS](#)
- [SEN\\_WSS\\_SERVICES](#)
- [SEN\\_WSS\\_SITE](#)
- [SEN\\_WSS\\_VIRTUAL\\_SERVER](#)
- [SEN\\_WSS\\_WEB](#)
- [SEN\\_WSS\\_WEBSERVICES](#)
- [SEN\\_WSS\\_WEBSERVICE\\_VS](#)

## SEN\_WSS\_ASPNET

### Parameters

Name	Type	Description	Alert Conditions
Worker Process Restarts	Numeric	The number of times that the aspnet worker process restarted on the server computer.	n/a

## SEN\_WSS\_DATABASE

### Parameters

Name	Type	Description	Alert Conditions
Availability	Boolean	Displays the availability of the SharePoint Content Database	n/a
Size	Numeric	Display the size of the SharePoint Content Database Unit: Megabyte (MB)	n/a

## SEN\_WSS\_EVENT\_LOG

### Parameters

Name	Type	Description	Alert Conditions
Windows Event Log Errors	Text	Displays SharePoint Event Errors	“!” = Warning “!!” = Alarm

## SEN\_WSS\_HTTP

### Parameters

Name	Type	Description	Alert Conditions
Availability	Boolean	Displays the availability of the SharePoint Virtual Site (True or False)	n/a
HTTP Response Code	Numeric	Displays the response code of the current Virtual Site	n/a
HTTP Response Time	Numeric	Displays the response time of the current Virtual Site (in milliseconds)	n/a

## SEN\_WSS\_NETCLRMEMORY

### Parameters

Name	Type	Description	Alert Conditions
# Bytes In All Heaps	Numeric	Displays the current memory allocated by all w3wp SharePoint processes for the GC  Unit: Megabyte (MB)	n/a
% Time In GC	Numeric	Displays the percentage of time spent by all w3wp SharePoint processes performing the last GC	n/a
Large Object Heap Size	Numeric	Displays the current size of the Large Object Heap in bytes for all w3wp SharePoint processes  Unit: Megabyte (MB)	n/a

## SEN\_WSS\_PROCESS

### Parameters

Name	Type	Description	Alert Conditions
% Processor Time	Numeric	The percentage of elapsed time that all w3wp SharePoint process threads used to execute instructions.	n/a
Handle Count	Numeric	The total number of handles currently open by all w3wp SharePoint processes.	n/a
Private Bytes	Numeric	The memory allocated to all w3wp SharePoint processes that cannot be shared by other processes. (in MB).	n/a
Working Set	Numeric	The current size of the working set of all w3wp SharePoint processes.  Unit: Megabyte (MB)	n/a

## SEN\_WSS\_SERVICES

### Parameters

Name	Type	Description	Alert Conditions
Status	Text	Displays the status of the service  Start = Start  Stop/Stopped: !!  Pause, Paused, Resume pending = !	n/a

## SEN\_WSS\_SITE

### Parameters

Name	Type	Description	Alert Conditions
Elapsed Time Since Last Hit	Numeric	Displays, in days, the elapsed time since last visit to the current site collection	n/a
Number Of Hits	Numeric	Displays the hits count for the current site collection	n/a
Number Of Hits Per Minute	Numeric	Displays the hits count per minute for the current site collection	n/a
Size	Numeric	Displays the size of the current site collection Unit: Megabyte (MB)	n/a
Top Ten Visited Pages	Text	Display the top ten visited page of the current site collection (descending order)	n/a

## SEN\_WSS\_VIRTUAL\_SERVER

### Parameters

Name	Type	Description	Alert Conditions
Number of Registered Users	Numeric	Displays the number of users registered in the SharePoint default Site Collection	n/a
Number of Sites	Numeric	Displays the number of site collections of the current web application	n/a
Number of Sub-sites	Numeric	Displays number of the subwebs of the current web application	n/a

## SEN\_WSS\_WEB

### Parameters

Name	Type	Description	Alert Conditions
Last Access Date	Text	Displays the date when the last access occurred on the site.	n/a
Last Modification Date	Text	Displays the date when the last modification occurred on the site.	n/a
Time since Last Access	Numeric	Displays the time elapsed since the last access occurred on the site.	n/a
Time since Last Modification	Numeric	Displays the time elapsed since the last modification occurred on the site.	n/a

## SEN\_WSS\_WEBSERVICES

### Parameters

Name	Type	Description	Alert Conditions
Received Bytes /sec	Numeric	The number of bytes that are received by the IIS server each second  Unit:Kilobyte (KB)	n/a
Sent Bytes / sec	Numeric	The number of bytes that are sent by the IIS server each second  Unit:Kilobyte (KB)	n/a
Current Connections	Numeric	The number of active connections to the IIS server.	n/a

## SEN\_WSS\_WEBSERVICE\_VS

### Parameters

Name	Type	Description	Alert Conditions
Received Bytes /sec	Numeric	The number of bytes that are received by the virtual server each second.  Unit: Kilobyte (KB)	n/a
Sent Bytes / sec	Numeric	The number of bytes that are sent by the virtual server each second  Unit: Kilobyte (KB)	n/a
Current Connections	Numeric	The number of active connections to the virtual server.	n/a
Current ISAPI Extension Requests	Numeric	The number of ISAPI extension requests processed by the virtual server.	n/a
ISAPI Extension Requests/sec	Numeric	The rate, in seconds, at which the virtual server is processing ISAPI extension requests.	n/a



#### About BMC® Software

BMC Software, Inc. NYSE:BMC, is a leading provider of enterprise management solutions that empower companies to manage their IT infrastructure from a business perspective. Delivering Business Service Management, BMC Software solutions span enterprise systems, applications, databases, and service management. Founded in 1980, BMC Software has offices worldwide and fiscal 2004 revenues of more than \$1.4 billion. For more information about BMC Software, visit [www.bmc.com](http://www.bmc.com).



#### About Sentry Software™

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