

SharePoint KM for PATROL v.1.0.00

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

Fax (01) 713 918 8000

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 - 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
- Commands and options that you used
- Messages received (and the time and date that you received them)
 - product error messages
 - messages from the operating system, such as "file system full"
 - messages from related software

Reference Guide

The Reference Guide provides detailed information about Classes: the icons that represent the class, the Infobox, the parameters and the menu commands available for each application class. There are 14 main application classes and 7 “container” classes. The container classes have generally no parameters.

Classes and Parameters

This section familiarizes you with all the Application Classes used by SharePoint KM for PATROL. It gives a detailed view of each application class describing its function and parameters.

The available Application Classes for SharePoint KM for PATROL are:

- [SEN WSS ASPNET](#)
- [SEN WSS DATABASE](#)
- [SEN WSS DATABASE CONT](#)
- [SEN WSS EVENTLOG](#)
- [SEN WSS GLOBAL PERFORMANCE](#)
- [SEN WSS GLOBAL PERFORMANCE CONT](#)
- [SEN WSS HTTPAVAILABILITY](#)
- [SEN WSS MAIN](#)
- [SEN WSS NETCLR](#)
- [SEN WSS SERVER CONT](#)
- [SEN WSS SITE](#)
- [SEN WSS SITE CONT](#)
- [SEN WSS WEB](#)
- [SEN WSS WEB CONT](#)
- [SEN WSS VIRTUALSERVER](#)
- [SEN WSS W3WP](#)
- [SEN WSS WEBSERVICE](#)
- [SEN WSS WINDOWSSERVICES](#)
- [SEN WSS WINDOWSSERVICES CONT](#)

SEN_WSS_ASPNET

Icon



Parameters

Name	Description
WorkerProcessRestarts	The number of times that the aspNet worker process restarted on the server computer.

InfoBox

None.

Menu Commands

Function	Description
Modify Alert Thresholds	Allows you to modify the thresholds of the parameter
Pause Monitoring	Pauses the SharePoint KM for PATROL
Resume Monitoring	Resumes the monitoring of all objects after it has been paused
Remove	Removes the object from the monitoring environment
Refresh Parameters	Refreshes all parameters of the application class

SEN_WSS_DATABASE

Icon



Parameters

Name	Description
Availability	Displays the availability of the SharePoint Content Database
Size	Display the size in GB of the SharePoint Content Database

InfoBox

None.

Menu Commands

Function	Description
Pause Monitoring	Pauses the SharePoint KM for PATROL

Function	Description
Resume Monitoring	Resumes the monitoring of all objects after it has been paused
Remove	Removes the Database object from the monitoring environment
Refresh Parameters	Refreshes all parameters of the application class

SEN_WSS_DATABASE_CONT

Icon



Parameters

None.

InfoBox

None.

Menu Commands

Function	Description
Pause Monitoring	Pauses the SharePoint KM for PATROL
Resume Monitoring	Resumes the monitoring of all objects after it has been paused
Remove	Removes the object from the monitoring environment
Refresh Parameters	Refreshes all parameters of the application class

SEN_WSS_EVENTLOG

Icon



Parameters

Name	Description
LogColl	Event Log class collector
LastMatchingEvents	Last 10 triggered alarm/warning events
WarningEventCount	Number of triggered warning events
AlarmEventCount	Number of triggered alarm events

InfoBox

None.

Menu Commands

Function	Description
Modify Alert Thresholds	Allows you to modify the thresholds of the parameter
View SharePoint Event	Displays a list of SharePoint events
Pause Monitoring	Pauses the SharePoint KM for PATROL
Resume Monitoring	Resumes the monitoring of all objects after it has been paused
Remove	Removes the object from the monitoring environment
Refresh Parameters	Refreshes all parameters of the application class

SEN_WSS_PERFORMANCE

Icon



Parameters

Name	Description
ISAPIExtensionRequestsPerSec	The rate of ISAPI Extension requests that are simultaneously being processed by the Web service.
CurrentISAPIExtensionRequests	Current ISAPI extension requests simultaneously being processed by the service.
Current Connections	Number of current connections
SentBytesPerSecond	Number of bytes sent by the Virtual Server (per second)

InfoBox

None.

Menu Commands

Function	Description
Modify Alert Thresholds	Allows you to modify the thresholds of the parameter
Pause Monitoring	Pauses the SharePoint KM for PATROL
Resume Monitoring	Resumes the monitoring of all objects after it has been paused
Remove	Removes the Performance object from the monitoring environment

Function	Description
Refresh Parameters	Refreshes all parameters of the application class

SEN_WSS_GLOBAL_PERFORMANCE_CONT

Icon



Parameters

Name	Description
aspnetColl	ASP.NET class collector
ProcessColl	W3WP (Process) class collector
netClrColl	netClr class collector

InfoBox

None.

Menu Commands

Function	Description
Pause Monitoring	Pauses the SharePoint KM for PATROL
Resume Monitoring	Resumes the monitoring of all objects after it has been paused
Remove	Removes the object from the monitoring environment
Refresh Parameters	Refreshes all parameters of the application class

SEN_WSS_GLOBAL_INFORMATION_CONT

Icon



Parameters

None.

InfoBox

None.

Menu Commands

Function	Description
Pause Monitoring	Pauses the SharePoint KM for PATROL
Resume Monitoring	Resumes the monitoring of all objects after it has been paused
Remove	Removes the object from the monitoring environment
Refresh Parameters	Refreshes all parameters of the application class

SEN_WSS_HTTPAVAILABILITY

Icon



Parameters

Name	Description
HTTPResponseTime	Displays the response time of the current Virtual Site (in milliseconds)
HTTPResponseCode	Displays the response code of the current Virtual Site
Availability	Displays the availability of the SharePoint Virtual Site (0: OK; 1: Warning; 2: Alarm)

InfoBox

None.

Menu Commands

Function	Description
Modify Alert Thresholds	Allows you to modify the thresholds of the parameter
Pause Monitoring	Pauses the SharePoint KM for PATROL
Resume Monitoring	Resumes the monitoring of all objects after it has been paused
Remove	Removes the object from the monitoring environment
Refresh Parameters	Refreshes all parameters of the application class

SEN_WSS_MAIN

There is only one instance of the SEN_WSS_MAIN class which is the main SharePoint KM for PATROL icon from which you can configure the product. All collectors are attached to this class.

Icon



Parameters

Name	Description
DiscoverColl	SharePoint discovery collector

InfoBox

None.

Menu Commands

Function	Description
Pause Monitoring	Pauses the SharePoint KM for PATROL
Resume Monitoring	Resumes the monitoring of all objects after it has been paused
Reinitialize KM	Triggers a complete re-initialization of SharePoint KM for PATROL. Customized settings are lost unless specified otherwise in the Reinitialize wizard.
About	States basic product information and BMC Software support contact information
KM Settings	Displays all the command options for different monitoring settings
KM Settings > Alert Actions	Enables you to select the Alert Actions (different methods of notification) to be executed by SharePoint KM for PATROL when a parameter breaches its threshold
KM Settings > Threshold Mechanism Selection	Allows you to select the threshold mechanism: <ul style="list-style-type: none"> Automatic (by default): SharePoint KM for PATROL determines the mode of threshold management best suited to the system. The different modes are: Tuning: SharePoint KM for PATROL uses the internal PATROL mechanism to set thresholds PCM/Event Management: SharePoint KM for PATROL automatically sets thresholds through PCM/Event Management No thresholds: SharePoint KM for PATROL does not set any thresholds and lets you specify them manually
KM Settings > Polling Interval	Enables you to customize the polling cycle. By default, the polling interval is done every 2 minutes
KM Settings > Discovery	Enables you to customize the discovery cycle. By default, discovery is

Function	Description
Interval	performed every hour
KM Settings > Java Settings	Enables you to define which Java instance is to be used by SharePoint KM for PATROL
KM Settings > Security Settings	define and save the username and password for the account that will be used by default to execute SharePoint discovery and queries
KM Settings > Debug	Activates or deactivates the debug mode. The debug Mode displays debug messages in the PATROL System Output Window or saves it in a file if you enter the file path

SEN_WSS_NETCLR

Icon



Parameters

Name	Description
PercentTimelinGC	Displays the percentage of time spent by all w3wp SharePoint processes performing the last GC
LargeObjectHeapSize	Displays the current size, in MB, of the Large Object Heap in bytes for all w3wp SharePoint processes
BytesInAllHeaps	Displays the current memory allocated by all w3wp SharePoint processes for the GC

InfoBox

None.

Menu Commands

Function	Description
Modify Alert Thresholds	Allows you to modify the thresholds of the parameter
Pause Monitoring	Pauses the SharePoint KM for PATROL
Resume Monitoring	Resumes the monitoring of all objects after it has been paused
Remove	Removes the object from the monitoring environment
Refresh Parameters	Refreshes all parameters of the application class

SEN_WSS_SERVER_CONT

Icon



Parameters

Name	Description
httpColl	HTTP Availability Collector
virtualServerWebPerfColl	Virtual Server Web Performance Collector
virtualServerDatabaseSiteColl	Virtual Server Database Site Collector

InfoBox

None.

Menu Commands

Function	Description
Pause Monitoring	Pauses the SharePoint KM for PATROL
Resume Monitoring	Resumes the monitoring of all objects after it has been paused
Remove	Removes the object from the monitoring environment
Refresh Parameters	Refreshes all parameters of the application class

SEN_WSS_SITE

Icon



Parameters

Name	Description
Availability	Displays the availability of the SharePoint Virtual Site (0: OK; 1: Warning; 2: Alarm)
Size	Displays the size, in GB, of the current site collection
NumberOfHitsPerMinute	Displays the hits count per minute for the current site collection
NumberOfHits	Displays the hits count for the current site collection
TimeSinceLastHit	Displays, in days, the elapsed time since last visit to the current site

Name	Description
	collection

InfoBox

None.

Menu Commands

Function	Description
Modify Alert Thresholds	Allows you to modify the thresholds of the parameter
Most Visited Pages	Displays a list of the most visited pages of the site
Pause Monitoring	Pauses the SharePoint KM for PATROL
Resume Monitoring	Resumes the monitoring of all objects after it has been paused
Remove	Removes the Site object from the monitoring environment
Refresh Parameters	Refreshes all parameters of the application class

SEN_WSS_SITE_CONT

Icon



Parameters

None.

InfoBox

None.

Menu Commands

Function	Description
Most Visited Pages	Displays a list of the most visited pages of the site
Pause Monitoring	Pauses the SharePoint KM for PATROL
Resume Monitoring	Resumes the monitoring of all objects after it has been paused
Remove	Removes the object from the monitoring environment
Refresh Parameters	Refreshes all parameters of the application class

SEN_WSS_WEB

Icon



Parameters

Name	Description
LastModificationDate	Displays the date when the last modification occurred on the site.
LastAccessDate	Displays the date when the last access occurred on the site.
TimeSinceLastAccess	Displays the time elapsed, in days, since the last access occurred on the site.
TimeSinceLastModification	Displays the time elapsed, in days, since the last modification occurred on the site.

InfoBox

None.

Menu Commands

Function	Description
Modify Alert Thresholds	Allows you to modify the thresholds of the parameter
Pause Monitoring	Pauses the SharePoint KM for PATROL
Resume Monitoring	Resumes the monitoring of all objects after it has been paused
Refresh Parameters	Refreshes all parameters of the application class

SEN_WSS_WEB_CONT

Icon



Parameters

None.

InfoBox

None.

Menu Commands

Function	Description
Pause Monitoring	Pauses the SharePoint KM for PATROL
Resume Monitoring	Resumes the monitoring of all objects after it has been paused
Refresh Parameters	Refreshes all parameters of the application class

SEN_WSS_VIRTUALSERVER

Icon



Parameters

Name	Description
Availability	Displays the availability of the SharePoint Virtual Site (0: OK; 1: Warning; 2: Alarm)
NumberOfSubSites	Displays number of the subwebs of the current web application
NumberOfSites	Displays the number of site collections of the current web application
NumberOfRegisteredUsers	Displays the number of users registered in the SharePoint default Site Collection

InfoBox

Name	Description
Port	Port used by the Virtual Server
Name	Name of the Virtual Server
Hostname	Name of the server on which the Virtual Server is running

Menu Commands

Function	Description
Modify Alert Thresholds	Allows you to modify the thresholds of the parameter
Pause Monitoring	Pauses the SharePoint KM for PATROL
Resume Monitoring	Resumes the monitoring of all objects after it has been paused
Remove	Removes the Virtual Server object from the monitoring environment
Refresh Parameters	Refreshes all parameters of the application class

SEN_WSS_PROCESS

Icon



Parameters

Name	Description
WorkingSet	Displays the working set size of the matching process(es).
PrivateBytes	Displays the processor time percent used by the matching process(es). On multi-processor computers, this parameter may go over 100%.
HandleCount	Displays the number of handles opened by the matching process(es).
PercentProcessorTime	Percentage of used processor time

InfoBox

None.

Menu Commands

Function	Description
Modify Alert Thresholds	Allows you to modify the thresholds of the parameter
Pause Monitoring	Pauses the SharePoint KM for PATROL
Resume Monitoring	Resumes the monitoring of all objects after it has been paused
Remove	Removes the object from the monitoring environment
Refresh Parameters	Refreshes all parameters of the application class

SEN_WSS_WEBSERVICE

Icon



Parameters

Name	Description
swWebServiceCollector	WebService class collector
BytesReceivedPerSec	The number of bytes received by all monitored virtual servers each second (KB)
BytesSentPerSec	The number of bytes sent by all monitored virtual servers each second (KB)

Name	Description
CurrentConnections	The number of active connections to all monitored virtual servers.

InfoBox

None.

Menu Commands

Function	Description
Modify Alert Thresholds	Allows you to modify the thresholds of the parameter
Pause Monitoring	Pauses the SharePoint KM for PATROL
Resume Monitoring	Resumes the monitoring of all objects after it has been paused
Remove	Removes the object from the monitoring environment
Refresh Parameters	Refreshes all parameters of the application class

SEN_WSS_WINDOWSSERVICES

Icon



Parameters

Name	Description
Status	Displays the status of the service : 0 = Running 1 = Start, Stop, Pause or Resume Pending 2 = Stopped or Paused

InfoBox

None.

Menu Commands

Function	Description
Modify Alert Thresholds	Allows you to modify the thresholds of the parameter
Pause Monitoring	Pauses the SharePoint KM for PATROL
Resume Monitoring	Resumes the monitoring of all objects after it has been paused
Remove	Removes the object from the monitoring environment
Refresh Parameters	Refreshes all parameters of the application class

SEN_WSS_WINDOWSSERVICES_CONT

Icon



Parameters

Name	Description
NTServiceColl	Windows service class collector

InfoBox

None.

Menu Commands

Function	Description
Pause Monitoring	Pauses the SharePoint KM for PATROL
Resume Monitoring	Resumes the monitoring of all objects after it has been paused
Remove	Removes the object from the monitoring environment
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