

## BMC<sup>®</sup> Performance Manager for Servers 1.0



### Key Benefits on Windows

- > Provides optimal performance assurance for all Microsoft Windows 2000 Server and Microsoft Windows Server 2003
- > Ensures availability of directory services by monitoring Active Directory operations
- > Provides out-of-the-box deployable configuration settings for various Microsoft Windows Server 2003 roles, including Application Server, DNS Server, and Mail Server
- > Provides wizards that allow you to customize without scripting
- > Minimizes downtime with automated recovery actions
- > Provides comprehensive event management that allows you to streamline troubleshooting and event notification

### Key Benefits on Unix and Linux

- > Ensures availability of Unix and Linux OSs by automatically notifying IT staff on critical events, before your business is impacted
- > Improves IT staff productivity by automatically detecting and resolving Unix and Linux OS problems, enabling IT staff to focus on strategic initiatives
- > Provides proactive management capabilities for all vital aspects of Unix and Linux OSs to protect the continuity of your systems

### BUSINESS CHALLENGE

Companies continue to deploy mission-critical enterprise applications on a variety of operating systems and platforms. To ensure business service availability, managing these heterogeneous systems is critical and requires an enterprise-class systems management solution that is capable of managing the availability, performance, and capacity of these diverse operating systems.

Effectively managing these heterogeneous operating environments requires easy-to-use, flexible, scalable, and integrated solutions. These solutions must automate systems management and reduce troubleshooting time by clearly identifying problem areas, so administrators may focus more time on strategic tasks and less on tactical tasks.

### BMC SOFTWARE SOLUTION

BMC Performance Manager for Servers provides an extensible, scalable, and easily customizable systems management solution for all your Windows, Unix, and Linux operating system environments. By providing monitoring, alert notification, event management, reporting, and historical trending from a centralized console, BMC Performance Manager for Servers allows you to proactively manage the health and performance of your heterogeneous operating system environment and applications.

BMC Performance Manager includes solutions to manage with an agent (for more robust management capabilities) or remotely (for less demanding monitoring environments). Customers can now choose the level of management required, and deploy the right-sized solution to meet those requirements. No longer do customers need to choose between Agent and Agent-less monitoring. BMC Performance Manager provides you with the flexibility to manage your infrastructure with one or both solutions.

### BMC Performance Manager for Servers Key Features

Key features on Windows platforms include:

- > **OS Monitoring** – Monitors performance, resource consumption, and capacity of critical server components such as CPU, memory, cache, disks, and file systems.
- > **Active Directory Operations Monitoring** – Assures Active Directory health by monitoring critical Active Directory components such as Domain Controller, replication, LDAP, FSMO roles, DNS, and trusts.
- > **Windows Event Log Monitoring** – Allows you to easily create filters based on event type, source, ID, user, or category, so you are alerted only on events of interest.

- > **Windows Service Monitoring** – Monitors services and processes associated with the services. You can also use recovery actions to restart failed services.
- > **Server Monitoring** – Monitors performance, resource consumption, and capacity of critical server components such as CPU, memory, cache, and physical and logical disks.
- > **Agent or Agent-less Monitoring** – customers can choose the level of management required, and deploy the right-sized solution to meet those requirements.
- > **Microsoft Cluster Monitoring** – Monitors the health and operations of your Microsoft Cluster environment.
- > **Log File Monitoring** – Allows you to monitor any log file for size or content, and set up specific recovery actions.
- > **Process Monitoring** – Enables you to monitor process availability and resource consumption. Provides the ability to restart failed processes and terminate processes that consume a specified percentage of CPU.
- > **Performance Monitor Wizard** – Enables you to quickly set up monitoring for any available Windows Performance Counter.
- > **WMI Wizard** – Enables you to enter WMI queries to monitor various Windows components.
- > **COM+ Monitoring** – Allows you to monitor your COM+ applications for performance and resource consumption.
- > **Printer Monitoring** – Allows you to monitor the operations and availability of the printers in your enterprise.
- > **Agent vs. Agent-less Monitoring** – Includes technology to monitor either agent-less (remotely) or by use of a local agent on the managed host.
- > **Certified for Microsoft Windows Server 2003**

Key features on Unix and Linux platforms include:

- > **OS Monitoring** – Monitors performance, resource consumption, and capacity of critical server components such as CPU, memory, cache, disks, file systems, and kernel activity.
- > **Diverse Platform Coverage** – Supports a variety of Unix and Linux platforms including AIX, HP-UX, Solaris, Tru64, Red Hat, SuSE, and VMware (ESX).
- > **Log File Monitoring** – Monitors any log file for size or content, and sets up automated recovery actions based on user-defined activity.
- > **Process Monitoring** – Monitors user-defined process availability and resource consumption. Provides ability to restart failed processes and terminate processes that consume a specified percentage of CPU.
- > **Print Queue and Printer Monitoring** – Monitors operations and availability of printers in your enterprise, and provides access to in-context printer administration commands.
- > **Event Management** – Manages automated escalation of warnings and alarms, integration with systems, event filtering, message rewording, and execution of out-of-the-box or user-defined recovery actions.
- > **Agent vs. Agent-less Monitoring** – Includes technology to monitor either agent-less (remotely) or by use of a local agent on the managed host.

### PATROL Central Consoles

BMC Performance Manager for Servers offers administrators centralized consoles for deploying, configuring, and managing Microsoft Windows server environments. PATROL offers both a native Microsoft Windows console and a full featured Web console.

Through these interfaces, you can:

- > Adjust thresholds
- > Chart various system parameters
- > Configure recovery actions
- > Issue managed system commands
- > View and manage events
- > Perform managed system queries
- > Create custom views
- > Organize your managed systems environment
- > Centrally configure monitoring for all your systems

### PATROL Reporting

Base Reporting for PATROL is provided to PATROL customers at no charge. It provides a wide range of predefined reports for Microsoft Windows Server system environments. If you need further reporting capability, the licensed BMC Reporting Studio provides an easy-to-use, drag-and-drop interface for creating PATROL reports.

### PATROL Analytics

PATROL Analytics continuously analyzes and correlates performance variables from dozens of enterprise subsystems to create Adaptive Behavior Profiles™, bands of normalcy defined by Dynamic Thresholds™, that reflect each server's unique rhythms. Deviations outside the norm result in meaningful and actionable Trusted Alarms™ that allow you to identify problems faster, and reduce problem resolution times.

## Evolving to Business Service Management (BSM)

BMC Software's BSM methodology provides an adaptable, real-time solution for closely linking business operations with underlying IT components. With BSM, you can see the impact of technology on business services. You can also predict the effect of change on both the business service and on IT.

BSM reduces your operations cost, increases customer satisfaction, and integrates IT with your key business objectives.

## How BMC Performance Manager for Servers Helps you Achieve BSM

Successful BSM implementations depend on a well-instrumented infrastructure that supplies relevant information about critical performance, availability, and throughput. It also must interact tightly with the overarching configuration and change processes.

BMC Performance Manager for Servers helps you achieve BSM by:

- > Using one common management method to proactively optimize your IT infrastructure throughout the enterprise application lifecycle
- > Implementing consistent methodology and automation of repetitive, complex, and error-prone tasks
- > Using dynamic, event-driven processing to prioritize batch and online workflows
- > Controlling all aspects of enterprise data management with common tools across mainframe, distributed, and desktop environments



## Helping You Maintain Advantage

BMC Software Education Services offers a strategic investment for your business, maximizing the value for your employees and Business Service Management initiatives. Education ensures successful product implementation, promoting mastery of all product capabilities and highest productivity with your BMC Software solutions.

To explore our education offerings, visit our web page at <http://www.bmc.com/bmceducation>, or contact BMC Software Education Services by telephone or e-mail:

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## 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).



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