



BMC Performance Manager for OpenVMS

Key Benefits

- > Improve IT staff productivity by automatically detecting and resolving OpenVMS problems, enabling IT staff to focus on strategic initiatives
- > Ensure availability of OpenVMS systems by automatically notifying IT staff on critical events, before your business is impacted
- > Provide comprehensive event management that allows you to streamline troubleshooting and event notification
- > Minimize downtime with automated recovery actions
- > Allow system administrators to cross-leverage their expertise into the OpenVMS environment
- > Support greater performance, reliability, and availability of OpenVMS and its related resources

OpenVMS is a critical platform and many companies are continuing to deploy mission-critical enterprise applications on the OpenVMS platform. To ensure business service availability, managing these applications is critical and requires enterprise-class systems management solutions.

Business Opportunity

Such a solution should manage all the components upon which each application relies — the database, Web applications and servers, server hardware, middleware, and the operating system. Effectively managing these heterogeneous components requires easy-to-use, flexible, scalable, and integrated solutions. These solutions must automate systems management and reduce troubleshooting times by clearly identifying problem areas, so that administrators may focus more time on strategic tasks and less on tactical tasks.

BMC Software Solution

BMC® Performance Manager for OpenVMS by BMC Software automates the management of these servers, enabling administrators to handle a complex, Vax, Alpha, and Itanium environments more effectively. Our solution directly addresses your OpenVMS management challenges by automatically monitoring and managing OpenVMS systems and related resources – saving time, reducing costs, and maximizing performance.

BMC Performance Manager for OpenVMS provides current and historical information through a centralized console so you can easily view and manage your entire OpenVMS environment. From the CPU to file systems to printers, you can drill down to view detailed system metrics. BMC Performance Manager also can proactively take corrective action when things go wrong or are about to go wrong – preventing downtime and its costs to your business.

Key Features

System

- > Reflects overall server performance
- > Provides trend analysis through peak disk activity, CPU, and memory usage data
- > Reviews maximum file system use, CPU use, free memory, net load, and total processes
- > Runs reports, including disk use, CPU use, memory usage, and trend analysis
- > Provides system attributes, including OS version and load
- > Provides system management and monitoring support for server clusters
- > Tracks the number of direct and buffered I/O operations performed per second for benchmarking

Volumes

- > Provides data on key parameters, including percentage of volume used, size of volume, number of mounts to volume, and disk I/O
- > Identifies the name of the host serving the primary path
- > Monitors volume disk errors

Network

- > Identifies network overloads
- > Reviews collected network parameters
- > Runs network commands, including NCP commands
- > Displays InfoBox fields, including Internet/DECnet address



This product integrates with BMC Atrium technologies.

RMS (File System)

- > Monitors free space call rate, location rate, create rate, and file open and erase rates
- > Monitors page fault rates, cache hit rate, file ID attempts, and Quota cache hits and attempts
- > Displays volume lock wait
- > Monitors bitmap cache hit and attempt rates
- > Displays file system InfoBox fields, including mount on device, type, size, and options

Memory

- > Identifies memory limitations
- > Determines current memory shortfall
- > Supports memory problem analysis
- > Displays memory InfoBox fields, including total real memory

Queues

- > Discovers and monitors all queue types, including printer queue, server queue, batch queue and generic queues
- > Shows queue form name and form stock
- > Displays the number of jobs outstanding for the queue
- > Blacks out queue monitoring according to a customized schedule
- > Determines queue base priority and queue protection
- > Displays printer InfoBox attributes, including printer type, device, printer state, queue state, number of jobs in queue, and queue name

CPU

- > Monitors the percentage of CPU operation in Interrupt Stack, Kernel, Idle, or MPSync modes
- > Tracks available CPU cycle with normal I/O activities for benchmarking
- > Provides data for analysis of peak process and lowest CPU idle time

Processes

- > Tracks number of processes running
- > Provides the maximum number of processes and lowest idle time over previous polling period
- > Tracks number of free process slots
- > Monitors the number of processes waiting for a free page of memory
- > Displays the number of processes waiting for availability of a mutual exclusion semaphore or dynamic resource
- > Provides the number of processes in the compute and compute out swapped states

BMC Performance Manager Solutions

BMC Performance Manager includes solutions to manage locally with an agent or remotely without an agent. Customers can choose the level of management required and deploy the right-sized solution to meet their performance monitoring needs and view all of the managed systems through the BMC® Performance Manager Portal. You don't have 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 Portal

The BMC® Performance Manager Portal offers a flexible interface to manage the health of an application, operating system, middleware, or hardware with customized views, dashboards, charts, alerts, and event status. It is built on the BMC portal infrastructure, which provides centralized management through a Web-based browser, minimizing implementation, driving common workflows, and reducing maintenance and training for all BMC products. The portal improves the usage experience across BMC products for sign-on, navigation, administration, and configuration.

BMC Performance Manager Reporting

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

BMC Performance Manager Intelligent Alerts

BMC® Performance Manager Intelligent Alerts continually 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.

How BMC Performance Manager for OpenVMS 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 Virtual 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

Platform Support

BMC Performance Manager for OpenVMS supports OpenVMS on the following hardware platforms:

- > VAX
- > Alpha
- > Itanium

For specific release and version information, refer to the product release notes or visit the Platform and Compatibility (PAC) matrix on the BMC Support site at www.bmc.com.

About BMC Software

BMC Software helps IT organizations drive greater business value through better management of technology. Our industry-leading Business Service Management solutions ensure that everything IT does is prioritized according to business impact, so IT can proactively address business requirements to lower costs, drive revenue, and mitigate risk. BMC solutions share BMC® Atrium™ technologies to enable IT to manage across the complexity of diverse systems and processes — from mainframe to distributed, databases to applications, service to security. Founded in 1980, BMC Software has offices worldwide and fiscal 2005 revenues of more than \$1.46 billion. BMC Software. Activate your business with the power of IT. For more information, visit www.bmc.com



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