

# BMC Performance Manager for Databases

### Key Benefits

- > Allow users to proactively monitor and manage DB2 UDB, Microsoft SQL Server, Oracle, and Sybase environments
- > Ensure high performance and application availability through proactive monitoring and management of distributed servers and databases from a single console
- > Provide enhanced ability to detect stalled databases
- > Provide comprehensive log management
- > Correlate information from multiple sources, providing availability, resource use, and performance tuning information
- > Provide response-time monitoring to enhance the DBAs understanding of performance levels being experienced by users

With businesses expecting 24x7 availability and demanding superior performance, maintaining availability for all elements of the business infrastructure has become a great concern for IT enterprises. However, maintaining database availability is challenging and often impossible without proper monitoring and administrative tools.

### Business Opportunity

The ideal solution would be an enterprise management offering that can be deployed in complex, heterogeneous environments. Once deployed, the management solution would help enable administrators to:

- > Anticipate problems and outages before they happen
- > Maintain high availability and improve database performance
- > Centralize management with an easy-to-use interface for even the most novice DBAs
- > Employ quick problem isolation, diagnosis, and resolution
- > Manage the entire database environment from a single interface

Performance Manager for Databases enables monitoring of multiple database platforms, operating systems, middleware, and applications through the same console (with additional modules available separately). Users can select databases they want to monitor and receive notification when a problem occurs. The console provides a logical view of every instance on every server. By using mouse clicks to drill down into the logical view, it is easy to determine where a potential or actual problem exists and take steps to correct the problem.

### The BMC Solution

BMC® Performance Manager for Databases is a comprehensive performance and availability solution designed to help you proactively manage and monitor your enterprise database environment for exceptional performance. BMC Performance Manager for Databases monitors critical elements – such as tablespace size, memory sizes, and locking conflicts – to help you avoid and resolve problems affecting application or database availability, resource usage, and transaction throughput before problems become apparent to the end users.

### Key Features

#### Centralized Monitoring

Your entire Oracle, DB2 UDB, Sybase, and Microsoft SQL Server environment can be monitored and managed from a single console. Consoles are customized to the user, making it possible to monitor the entire enterprise or a subset of instances, depending on the needs of the individual user. BMC



BMC Performance Manager for Databases provides an "at-a-glance" status of every aspect of your distributed database environment. Alert icons, indicate the level of severity of a problem, making it easy to determine where problems occur so the can be resolved quickly.

#### Proactive Monitoring

Simplifies your business by proactively determining if a problem might occur – or already has occurred – by providing an escalation of warnings and alarms. DBAs often have time to correct a problem *before* it occurs.

BMC Performance Manager for Databases monitors every aspect of database environments, including the following critical areas:



This product integrates with BMC Atrium technologies.

- > Instance/Database and server availability
- > Database performance and cross-server data contention
- > Job management, failed, and overdue jobs

#### 24x7 Problem Detection and Response

Provides 24x7 problem detection and response for your database environment. BMC Performance Manager for Databases detects when a parameter reaches a user-defined or default threshold, and issues a warning or an alarm to notify DBAs of the problem. By e-mail or pager, users can be notified that a warning or alarm has occurred.

BMC Performance Manager for Databases also provides capability for defining recovery actions that automatically respond to a warning or alarm by executing a pre-defined action against the database. This capability lets users rely on BMC Performance Manager to handle errors, whether mission-critical or minor, without user intervention.

#### Historical Data Collection

BMC Performance Manager collects and stores information about the monitored environment. This information store is used to provide useful information through consoles, including extensive annotated data points that can be used for reports associated with problem recovery or other user-defined actions. These data points are accessible via the console, and allow the user to quickly retrieve more detailed, contextual data regarding parameter values, history, and alerts.

#### BMC Performance Manager Solutions

BMC Performance Manager includes solutions to manage with an agent or remotely. Customers can choose the level of management required and deploy the right-sized solution to meet their performance monitoring needs. 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 Databases 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 Databases 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

#### Want to Learn More?

For more information on BMC Performance Manager, visit [www.bmc.com](http://www.bmc.com).

#### Platform Support

BMC Performance Manager for Databases supports a wide variety of enterprise class operating environments:

##### Enterprise Databases

- > DB2 UDB, Microsoft SQL Server, Oracle, and Sybase

##### Managed Systems

- > AIX, HPUX, Solaris, Windows, Tru64, Itanium, Opteron
- > Redhat, SUSE
- > OpenVMS

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](http://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](http://www.bmc.com).



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