BMC Database Management for DB2

OPTIMIZE AVAILABILITY AND
RELIABILITY OF CRITICAL DB2 APPLICATIONS

bmcsoftware

OPTIMIZE

OPTIMIZE DB2 PERFORMANCE, ASSURE INTEGRITY, AND INCREASE ROI

BMC Database Management solutions ensure the availability and reliability of the business-critical DB2 data and applications that support the bottom line.

COMPREHENSIVE DB2 DATABASE MANAGEMENT

BMC Database Management solutions help you manage the administration, performance, and recovery of the most complex DB2 Universal Database for z/OS and OS/390 environments.

The BMC Database Management product portfolio provides a comprehensive approach to monitoring, managing, and administering your DB2 database environment. Our database management solutions for DB2 support three areas of database management, and include:

> BMC Database Performance for DB2 provides a proactive, intelligent approach to database management, executed from a single console. DBAs are empowered to more easily manage and resolve issues, ensuring the high availability and performance of your DB2 databases.

> BMC Database Administration for DB2 simplifies DB2 database administration by allowing you to maintain and migrate schema and data as well as perform baselines and comparisons. DBAs can manage more databases and adapt to more business changes — with existing skill sets and less effort.

> BMC Recovery Management for DB2 provides automation and advisory-level capabilities that facilitate transaction-level recovery on a high-speed, managed basis.

MAXIMIZE DB2 PERFORMANCE

To enable your DB2 resources to meet or exceed customer SLAs, BMC Database Performance solutions cost-effectively maximize performance on three separate but related levels: systems, databases, and applications.

Automatically manage your DB2 environment to deliver high availability and meet SLAs

BMC System Performance for DB2 lets you tune your DB2 system so applications run more quickly and efficiently, reducing customer wait times and increasing customer satisfaction levels. These products dynamically tune your DB2 system as workloads change, delivering more consistent performance and staff productivity, even while you are planning for future growth and capacity.

Our intelligent, easy-to-learn system performance solutions help DBAs deliver superior service by:

> Automatically detecting and correcting problems before they can affect performance, thus avoiding costly system downtime

> Using automation to alert staff to problems and suggesting corrective actions, thus minimizing the costs of improving DB2 performance

> Automating corrective actions to occur at your staff's discretion

> Optimizing DB2 storage use for maximum data availability

> Maximizing the effectiveness of each member of your IT staff

> Providing a multifunctional, synergistic approach to simplifying the management of your DB2 system

KEEP DB2 DATABASE OPERATIONS AT PEAK AVAILABILITY AND PERFORMANCE

OPTIMIZE DB2 PERFORMANCE AND AVAILABILITY

Optimize DB2 database objects for high performance and availability

When your DB2 databases are optimally organized, your applications get the best possible end-to-end response times. BMC Database Performance for DB2 identifies the objects that are most active and in need of reorganization, and then creates and schedules reorganization jobs for those objects. BMC solutions are ideal for complex environments, such as ERP systems with thousands of objects, or for e-business systems with high transaction rates. Our products improve application and database availability by:

> Saving CPU and other system resources by intelligently executing maintenance tasks only when required

> Supporting online access to applications while performing maintenance and collecting statistics

> Ensuring that any impact on application availability is minimal

> Estimating and optimizing storage resources through automated maintenance activities

Proactively analyze and tune SQL

IT managers and industry experts agree that poorly performing SQL is responsible for approximately 80 percent of response-time SLA failures. BMC SQL Performance for DB2 ensures the availability and performance of your business-critical applications by automatically identifying performance problems and making recommendations to proactively correct poorly performing SQL statements.

Leveraging the most advanced SQL tuning technology in the industry, BMC SQL Performance for DB2 maximizes application performance and availability by:

> Quickly identifying the most expensive SQL statements in your production environment

> Proactively correcting SQL statements that fail to meet quality standards, before an application reaches production

> Providing extensive, rules-based analysis and recommendations for improving DB2 access paths

> Increasing programmer productivity through ad-hoc tuning

REDUCE THE DIFFICULTY IN MANAGING COMPLEX, CHANGING DB2 ENVIRONMENTS

BMC Database Administration for DB2 makes the management of day-to-day administrative tasks faster, easier, and more cost-effective. This lets DBAs stay ahead of the workload growth curve and get more done, with more success, while ensuring the integrity and accuracy of corporate data.

BMC Database Administration for DB2 can significantly reduce the time required to perform changes and migrations, vastly improving DBA productivity. You can reduce change and migration activity by up to 80 percent using our high-speed data utilities.

Sophisticated, intelligent administrative technology helps DBAs quickly and efficiently manage complex DB2 environments, whatever the DBA skill level. This powerful DB2 administration solution helps DBAs by:

> Leveraging built-in intelligence to analyze and track changes to all your DB2 objects

> Simplifying DB2 catalog navigation and DB2 object management

> Reducing time spent developing schema changes for application development and production environments

> Managing the growth and complexity of data in your DB2 environment more efficiently

> Ensuring the integrity of your DB2 objects and data throughout the application lifecycle

> Capturing changes to create audit trails for regulation compliance initiatives

BMC DATABASE MANAGEMENT FOR DB2 SOLUTIONS ENSURE THE HIGHEST DEGREE OF AVAILABILITY AND RELIABILITY FOR YOUR CRITICAL DB2 DATA
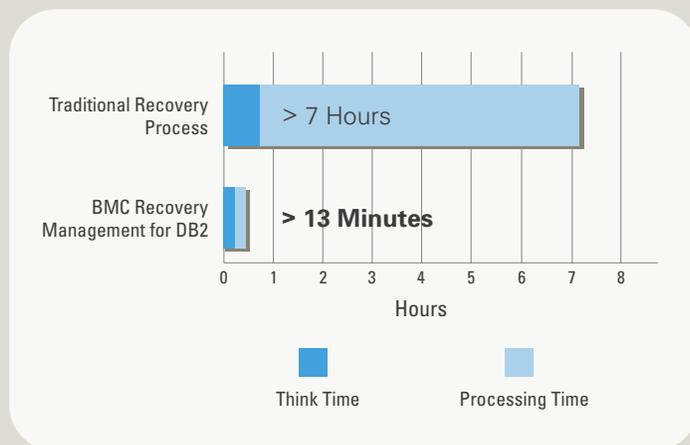
PROTECT BUSINESS-CRITICAL APPLICATIONS

BMC Recovery Management for DB2 provides safe, customized database backup and recovery for critical data and business applications, including customized, ERP based and CRM based business applications.

Our solutions are easy to install, implement, and use. They automate DB2 backup and recovery processes with intelligent recovery control. They offer high-speed apply capabilities, backout capabilities, transaction-level recovery, and Instant Snapshot backup-and-recovery functionality. The result: Using your existing staff, there is minimal impact on data availability and no outages to other DB2 applications.

BMC Recovery Management for DB2 improves data availability by:

> Providing high-speed transaction recovery, backout recovery, and instant recovery

> Targeting the application exhibiting the error, a process that is less disruptive and much faster than traditional recoveries

> Automating backup-and-recovery job creation, so you can reduce downtime and eliminate error-prone manual steps

> Providing the most options for recovery-point selection, so you can avoid losing valuable application data

Traditional Recovery Process — > 7 Hours

BMC Recovery Management for DB2 — > 13 Minutes

| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

Hours

Think Time   Processing Time

BMC Recovery Management for DB2:
Take minutes, not hours to get your databases operational

MOVE UP TO BUSINESS SERVICE MANAGEMENT

BMC Database Management solutions for DB2 are part of our Infrastructure and Application Management Route to Value.™ Learn how our Infrastructure and Application Management Route to Value can help you reach Business Service Management (BSM).

Our eight BMC Routes to Value help accelerate your transition to BSM, enabling companies to move from managing technology components to managing IT-powered services that run the business. They build on your current investments in technologies, people, and processes, while leveraging proven methodology and best practices.

Intelligently automated infrastructure management is the foundation of BSM, and as such, a natural starting point for many organizations. The BMC Infrastructure and Application Management Route to Value has three clearly defined steps to guide and measure your progress toward BSM. You choose your entry point based on your current maturity level.
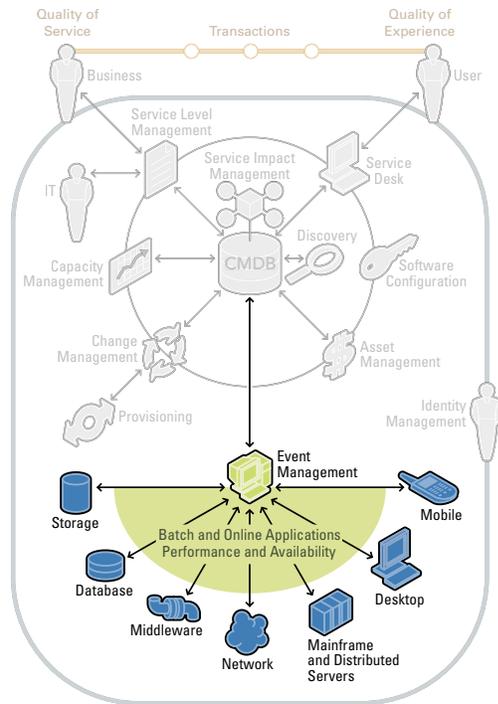
The three steps are:

> **Automate Component-Level Management:** This step establishes consistent and highly automated processes for monitoring the availability, scheduling, and performance of IT components.

> **Centralize Infrastructure Management:** To deliver business services, you need to be able to manage the IT infrastructure as a cohesive business asset. This step establishes a consistent management methodology across the IT infrastructure (batch and online applications and mainframe and distributed systems), with automated repetitive tasks and proactive notification and response mechanisms.

> **Tie Infrastructure Management to Business Priorities:** To complete the transition to BSM, this step optimizes the IT infrastructure for business needs. You achieve bidirectional connection between IT and business priorities, using a common language. IT people understand the business impact of IT components and IT failures; they resolve problems and allocate IT resources based on business demands.

This Route to Value integrates easily with other BMC Routes to Value, including Service Impact and Event Management, Service Level Management, Incident and Problem Management, and Change and Configuration Management.

The BMC Infrastructure and Application Management Route to Value is also compliant with the process disciplines recommended by the IT Infrastructure Library (ITIL®).

BMC Infrastructure and Application Management Route to Value

Highlighted elements indicate key technologies and relationships for Infrastructure and Application Management.

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 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.

◀**bmc**software

57654