



BMC Pool Advisor Family for DB2 z/OS

The premier buffer pool performance solution for DB2 for z/OS

KEY BENEFITS

- > Reduces overhead associated with DB2 dynamic statement cache management
- > Provides real-time performance management by adjusting parameters dynamically, eliminating DB2 outages
- > Reduces I/O and elapsed time to provide quicker access to frequently used data
- > Enables real-time buffer management
- > Optimizes storage resources
- > Makes recommendations regarding resource allocation, object configuration, and DB2 parameter settings
- > Manages all DB2 storage resource pools including buffer, RID, EDM and Sort pools
- > Improves system performance, response and elapsed times

BMC Pool Advisor Family for DB2 z/OS provides a robust set of buffer pool performance products that proactively optimize tuning in DB2 pools and remove the guesswork involved in performance tuning. By ensuring that DB2 pools are continually and optimally tuned, BMC Pool Advisor for DB2 enables DB2 applications to run faster and more efficiently by using fewer CPU cycles – ultimately requiring a minimal impact on system resources.

BUSINESS CHALLENGE

Organizations must maintain and optimize the performance of systems that support critical applications. Workloads placed on systems are increasing and constantly changing due Web-enabled applications, ERP/CRM solutions, and global availability requirements.

DB2® Universal Database for z/OS needs a grand scale of memory structures commonly called buffer pools to manage, modify, and access the data that these workloads impose. It is crucial to keep these pools optimally configured so that DB2 applications can achieve high levels of performance and deliver required service levels.

THE BMC SOLUTION

BMC Pool Advisor Family for DB2 z/OS provides a comprehensive solution that helps manage DB2 buffer pool performance. The solution uses built-in intelligence to proactively optimize tuning in DB2 pools. BMC Pool Advisor for DB2 removes the guesswork that is involved in performance tuning. By ensuring that DB2 pools are continually and optimally tuned, the solution enables DB2 applications to run faster and more efficiently by using fewer CPU cycles and reducing I/O. BMC Pool Advisor for DB2 provides the ultimate in DB2 buffer pool tuning, with minimal impact on system resources.

BMC OPERTUNE for DB2 lets you assign resources to match system requirements, whether the workload is light, average, or heavy. Workload changes can be tuned to eliminate under- or over- allocation of resources, and resource allocations can be changed every 30 minutes without a DB2 outage. System performance problems can be identified, monitored, and changed. Performance parameters can be changed in real time, which means DB2 outages and user interruptions can be avoided. BMC OPERTUNE for DB2 helps you manage DB2 threads, utilities, and log configurations.

BMC EXTENDED BUFFER MANAGER enables real-time buffer management. It dynamically optimizes online and batch performance by reducing the I/O needed to provide access to frequently used data. It improves response time for end users and batch processing by providing high-speed caching technology, and it provides real-time monitoring, enabling users to monitor resources and control intelligent storage devices.

FEATURES

- > Automatically optimizes DB2 performance while minimizing use of system resources
- > Uses a collection agent to collect real-time performance data for analysis
- > Provides a configuration advisor to determine optimal settings for DB2 object buffer pool placement and DB2 pool sizing
- > Supports dynamic changes to more than 120 DSNZPARM parameters defined to DB2
- > Makes it easier to cancel DB2 threads, modify DB2 log configurations, and manage DB2 utilities
- > Provides real-time performance management by adjusting parameters dynamically, eliminating DB2 outages
- > Adds/removes active logs, increasing log space, and dynamically maintains active log data sets

- > Automatically schedules DB2 resources based on workload requirements
- > Monitors I/O
- > Caches I/O

VALUE PROPOSITION

BMC Pool Advisor Family for DB2 z/OS provides a comprehensive solution that helps manage DB2 buffer pool performance.

BMC Pool Advisor for DB2 addresses this business challenge by continually monitoring DB2 storage pool usage, weighing the priorities for system-level performance against application performance goals. BMC Pool Advisor for DB2 collects DB2 storage pool data on an ongoing basis and analyzes this usage in context to the entire DB2 subsystem and overall z/OS performance. Based on this analysis, BMC Pool Advisor for DB2 can automatically adjust the size of DB2 storage pools to adjust for changes in the workload and available system resources. The workload fluctuations are often unpredictable and can help significant performance impacts.

BMC OPERTUNE for DB2 is the most comprehensive solution available for changing DB2 parameters and correcting operational problems while DB2 is up and running. BMC OPERTUNE for DB2 ensures accurate system resource allocation and delivers ease-of-use functionality when real-time performance management matters to your bottom line.

BMC EXTENDED BUFFER MANAGER improves performance on the z/OS system level and IMS, DB2, or CICS subsystem level by reducing the number of physical read I/Os performed when data is accessed. XBM caches data in central or expanded storage and satisfies read requests without performing a physical I/O to read the data from DASD. Reduced I/O improves performance systemwide.

PRODUCT FAMILY

BMC Pool Advisor Family for DB2 z/OS includes the following products:

- > BMC Pool Advisor for DB2
- > BMC OPERTUNE for DB2
- > BMC EXTENDED BUFFER MANAGER

For more information, please visit www.bmc.com/db2.

ABOUT BMC SOFTWARE

BMC Software delivers the solutions IT needs to increase business value through better management of technology and IT processes. Our industry-leading Business Service Management solutions help you reduce cost, lower risk of business disruption, and benefit from an IT infrastructure built to support business growth and flexibility. Only BMC provides best practice IT processes, automated technology management, and award-winning BMC Atrium technologies that offer a shared view into how IT services support business priorities. Known for enterprise solutions that span mainframe, distributed systems, and end-user devices, BMC also delivers solutions that address the unique challenges of the midsized business. Founded in 1980, BMC has offices worldwide and fiscal 2006 revenues of more than \$1.49 billion. Activate your business with the power of IT. www.bmc.com.



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