



BMC Log Management Family for DB2 z/OS

The premier log management solution for DB2 for z/OS

KEY BENEFITS

- > Increases system availability -- significantly enhancing database recoveries by allowing online selective transaction backout or roll-forward
- > Enables batch migration of changes to DB2 and other databases (for example, for warehousing and decision support)
- > Provides sophisticated auditing through a variety of reports and filtering capabilities
- > Improves database availability and provides high ease of use through the online interface
- > Refines recovery control and increases recovery performance by allowing you to select transactions on a specific set of user-defined criteria
- > Provides comprehensive problem analysis via reporting and filtering capabilities
- > Increases staff productivity with integration with BMC Recovery Management Family for DB2 z/OS

BMC Log Management Family for DB2 z/OS provides log reporting and compression facilities and helps DBAs and application developers handle problem transactions that can be difficult to identify, analyze, and correct using reports and SQL statements generated from information in the DB2 logs.

BUSINESS CHALLENGE

Companies must audit and migrate DB2 data safely and efficiently with little or no down time. At the same time, they need to be able to solve the complex problems associated with backing out and recovering business application transactions without interfering with those other processes.

THE BMC SOLUTION

BMC Log Management Family for DB2 z/OS helps DBAs and application developers handle problem transactions that can be difficult to identify, analyze, and correct using reports and SQL statements generated from information in the DB2 logs. BMC Log Management Family for DB2 z/OS enables logical backout of problem transactions.

BMC Log Management Family for DB2 z/OS enables you to access and use the DB2 log to support audit and data migration tasks as well as provide innovative solutions to application transaction processing issues. It unlocks the resources embedded in DB2 logs and enables easy access to logs and the ability to use information for purposes beyond ordinary restart or recovery. Log access can occur while DB2 is up and running, without diminishing database performance.

BMC Log Management Family for DB2 z/OS can use the information from the DB2 log records to generate SQL and DDL statements. You can use these statements for data migration for data warehousing and decision support. The high-speed Apply Engine runs on mainframe DB2 subsystems or on distributed systems to migrate data to DB2 Universal Database (UDB) or Oracle.

BMC Log Management Family for DB2 z/OS provides an online interface to easily use the DB2 log to create reports for auditing or other functions without having to write complicated filtering, sorting, and reporting programs.

FEATURES

- > Logical backout enables logical backout of problem transactions by generating UNDO SQL or REDO SQL statements.
- > Backout integrity checking analyzes complex processing changes and provides reports showing anomalies, problems, and solutions regarding transaction manipulation.
- > Data migration supports object and data migration to mainframe DB2 subsystems and some distributed platforms and databases using high-speed Apply Engine technology.
- > DB2 log auditing provides an online interface that supplies steps for specifying search criteria to select specific reports from the DB2 log. Reports include basic audit, drop recovery, and object activity summary.
- > Filtering and data compression lets you eliminate archive log records not needed for recovery, reduce media storage costs, and reduce data transmission bandwidth requirements to warm/hot disaster recovery sites.

VALUE PROPOSITION

BMC Log Management Family for DB2 z/OS combines technologies to provide log reporting and compression facilities. All of the capabilities combined translate into increased savings for the end user. This solution helps you:

- > Reduce the cost of daily tape, DASD, and possible data transmission capacity
- > Reduce the time required to execute actual recoveries, whether they are disaster recovery or local recoveries

BMC Log Master for DB2 helps DBAs and application developers handle problem transactions that can be difficult to identify, analyze, and correct using reports and SQL statements generated from information in the DB2 logs. BMC Log Master for DB2:

- > Enables logical backout of problem transactions; built-in integrity checking compares changes and identifies when backout processing will affect subsequent data updates.
- > Can use the information from the DB2 log records to generate SQL and DDL statements; these statements can be used for data migration for data warehousing and decision support.
- > Includes a high-speed Apply Engine that will run on mainframe DB2 subsystems or on distributed systems to migrate data to DB2 Universal Database (UDB) or Oracle
- > Provides an online interface to easily use the DB2 log to create reports for auditing or other data analysis functions without having to write complicated filtering, sorting, and reporting programs

BMC PACLOG for DB2 achieves up to 95 percent reduction in the size of DB2 archive logs and offers improved filtering rates.

- > A filtering option allows a listing of index spaces that needs to be kept. This feature allows index recovery.
- > To reduce the amount of tapes stored for archive logs, BMC PACLOG for DB2 allows you to stack multiple archive log data sets to a single tape.
- > Logs processed by BMC PACLOG for DB2 can reduce network transmission times in support of disaster recovery.
- > A modeling tool helps you determine the optimum number and size of active logs for your system if you add BMC PACLOG for DB2 to your tool set.

PRODUCT FAMILY

The BMC Log Management Family for DB2 includes products to process against the DB2 log for reporting or compression:

- > BMC Log Master for DB2
- > BMC PACLOG for DB2

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.



To learn more about how BMC can help activate your business, visit www.bmc.com or call (800) 841-2031

BMC, BMC Software, and the BMC Software logo are the exclusive properties of BMC Software, Inc., are registered with the U.S. Patent and Trademark Office, and may be registered or pending registration in other countries. All other BMC trademarks, service marks, and logos may be registered or pending registration in the U.S. or in other countries. All other trademarks or registered trademarks are the property of their respective owners. DB2 is a registered trademark of International Business Machines Corporation ©2007 BMC Software, Inc. All rights reserved.

