



BMC APPLICATION RESTART CONTROL Family for z/OS

The premier application restart solution for IMS, DB2 for z/OS, and VSAM

KEY BENEFITS

- > Improves data availability and data integrity by reducing errors
- > Maximizes availability by reducing or eliminating batch re-run time
- > Ensures data integrity by keeping all data repositories in sync
- > Allows you to quickly quiesce jobs just before a scheduled outage by ending them at a checkpoint
- > Minimizes implementation requirements by ensuring easy retrofit of existing applications

BMC APPLICATION RESTART CONTROL Family products provide the ability to resume the processing of failed or interrupted batch applications from the most recent checkpoint – rather than from the beginning of the job step – for IMS, DB2, and VSAM applications.

BUSINESS CHALLENGE

Most enterprises still run a significant amount of work in batch mode, but shrinking batch windows shorten the amount of time to run batch jobs. When a batch job fails, it must either be restarted at the beginning (after recovery of affected databases and files), or restarted at the point of failure. It is not practical to back out everything and start from the beginning because backing out updates from can take twice as long as running the application. Nor is it practical to restart from the wrong point, then back out those errors and start over again. Restart at the point of failure can only be accomplished if the application takes periodic checkpoints of the contents of application working storage areas.

THE BMC SOLUTION

BMC APPLICATION RESTART CONTROL enables you to easily implement batch checkpoint/restart capabilities, thereby improving overall application availability. BMC APPLICATION RESTART CONTROL provides the ability to resume the processing of failed or interrupted batch applications from the most recent checkpoint rather than from the beginning of the job step. For organizations that have high availability requirements, faster restarts minimize contention between batch jobs and online processing. BMC APPLICATION RESTART CONTROL also helps database administrators determine the best balance between performance, restart time, and checkpoint overhead by controlling the checkpoint frequency outside the application.

FEATURES

BMC APPLICATION RESTART CONTROL:

- > Automates batch processing cycles
- > Requires no JCL or application program changes in most cases
- > Provides checkpoint frequency control outside of application code
- > Enables early termination
- > Allows automatic reattach
- > Enables suspend and resume

BMC APPLICATION RESTART CONTROL for DB2 z/OS:

- > Repositions sequential files and DB2 cursors at restart
- > Provides SQL return code handling
- > Provides a Batch Attach facility
- > Enables cursor repositioning

BMC APPLICATION RESTART CONTROL for IMS:

- > Supports Checkpoint Restart, even if IMS extended checkpoint/restart facility not in use
- > Includes BMC BATCH CONTROL FACILITY functionality

BMC APPLICATION RESTART CONTROL for VSAM:

- > Enables VSAM logging and dynamic backout
- > Enables VSAM file sharing

VALUE PROPOSITION

BMC APPLICATION RESTART CONTROL allows you to implement a checkpoint/restart mechanism, frequently with no changes to application code or jobs. BMC APPLICATION RESTART CONTROL allows you to specify checkpoint frequency, and it will reset the working storage areas in the event of batch job failure. This can dramatically reduce the impact to availability caused by batch job failures.

PRODUCT FAMILY

The BMC Application Restart Control Family includes the following products:

- > BMC APPLICATION RESTART CONTROL for DB2 for z/OS
- > BMC APPLICATION RESTART CONTROL for IMS
- > BMC APPLICATION RESTART CONTROL for VSAM

For more information on the products, please visit www.bmc.com.

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 mid-sized 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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