

BMC AMI Recovery for Db2®

Master your recovery strategy for IBM® Db2® with automation

PRODUCT DESCRIPTION

BMC AMI Recovery for Db2® automates, accelerates, and streamlines local and disaster backup and recovery tasks to reduce the impact of unplanned downtime—keeping digital business services running smoothly. It provides an intuitive, modern tool so you can recover from your next outage or data corruption quickly and maintain data integrity. Plus, it lets you simulate and estimate disaster recovery scenarios for planning and compliance purposes.

BUSINESS CHALLENGE

Digital business has added an unprecedented level of complexity as well as an increasing number of transactions with an unpredictable arrival rate. Unplanned outages happen and businesses need to be prepared with a tested plan that works. **Old tools for recovery cannot keep up with today's environment of massive data volumes, rapid transaction rates, and increased complexity.** They rely too heavily on mirroring instead of addressing a recovery locally. Mirroring often only replicates issues and bad data simply reproducing issues on the mirror copy. Local problems must be fixed locally.

BMC SOLUTION

BMC AMI Recovery for Db2® enables organizations to be better prepared for any disaster, test plans on production databases, recover immediately from an unplanned outage or data corruption, and verify that data is protected to meet compliance requirements. The solution predicts the time required to restore service after an incident and proactively alerts IT to potential problems with the backup and recovery process and addresses problems locally.

KEY FEATURES

BMC AMI Recovery for Db2® accelerates and streamlines backup processes.

- **Point-in-time recovery** – Recovers with lightning speed and reverses damaging changes to data
- **Time-to-recovery estimator** – Verifies recoverability and predicts the time required to restore service
- **Automated backup and recovery** – Automates backup and recovery jobs to lessen the impact of disaster
- **Intuitive user interface** – Solves problems locally and leverages tools that are easy to use and maintain

KEY BENEFITS

- **Improves availability and simplifies the recovery process** to keep digital business moving with high speed data backups and transaction level recovery
- **Reduces the risks of a disaster** with integrity checks, recovery simulations, and resource assessments
- **Eases the burden on your staff** by automating as many tasks as possible
- **Ensures data integrity** by solving problems locally and extends SLAs to non-production systems



◀ BMC AMI Recovery Manager for Db2® is the tool for managing a recovery.

PRODUCT DETAILS

BMC AMI Recovery for Db2® offers a family of solutions which provide powerful, comprehensive control over backup and recovery processes. This includes BMC AMI Recovery Manager for Db2®, BMC AMI Recoverer for Db2®, BMC AMI Copy for Db2®, BMC AMI Check for Db2®, BMC AMI Log Master for Db2®, Application Restart Control, and Snapshot Upgrade.

Recovery preparation: Automate common backup and recovery tasks by building optimized job streams for specific database objects. Create groups of Db2® objects that must be recovered together and establish backup and recovery options to reduce the number of tasks and decisions at recovery time. Group objects by tablespace name pattern, referential integrity relationships, plan or package dependencies, pending status, volume, or application owner name.

Intelligent decision making: Enable DBAs to identify a set of tablespaces and/or indexes for recovery and tailor the recovery to the event. This “grouping” can be saved for later use (e.g., disaster recovery group) or discarded at the end of the recovery generation (e.g., volume failure).

Fast processing time and resource conservation: Identify objects that have not changed since the last backup and those that have not changed between the chosen recovery point and the current time, so they can be excluded from the recovery process. Even when a volume is completely unavailable, the solution can determine which objects need to be recovered and generate an optimized recovery job.

Streamlined disaster recovery: Gather information from the local site and build a comprehensive job to execute at the recovery site. Make copies of the archive logs, capture Db2® system information required for offsite recovery, and ensure that the right resources are identified for offsite shipment. Generate JCL to restart and recover the Db2® system and the application data. Logically divide work across multiple jobs and synchronize job steps.

I/O configuration: Use a modern log tool to generate UNDO SQL, which can be executed while the objects remain online and remove whatever issues happened instead of doing a point-in-time recovery.

High-speed recovery: Automate Db2® recovery with high-speed choices for recovering tablespaces and indexes faster than traditional forward recovery, while significantly reducing CPU time. Recover to a point in time without first restoring image copies.

Local and offsite data migration: Migrate data while keeping the data online and available for updates to a local mirror database or to an offsite recovery location. Create copies without having to access tablespaces and use copies that are not registered in the Db2® subsystem. Take image copies and log records of the tablespace and recover them into a new tablespace, translating object IDs.

Drop recovery: Recover data automatically by combining copies and log records to populate the database and then translate the time setting up, restarting, and maintaining backup jobs. Make frequent image copies to perform a faster recovery.

Copy: Make an image copy and update tablespace statistics with one pass through the data, reducing elapsed time and CPU time. Update statistics that are stored in tables.

Reduced CPU time: Use incremental copies, logical page compression, and perform disk compression. A snapshot copy option provides read-and-write support, allowing data to be updated while providing a consistent, registered copy of a tablespace. Identify and use hardware-based instant snapshot copies to take advantage of quick hardware backup and restore facilities for local recoveries. Instant snapshots reduce elapsed time and virtually eliminate CPU time for copies.

Log: Generate SQL to back out incorrect transactions, replay correct transactions after a conventional recovery, or migrate transactions for use by another Db2® system or RDBMS. Automate recall support to handle migrated Db2® log files, to recall log files quickly and reduce run time.



FOR MORE INFORMATION

To learn more about BMC AMI Recovery for Db2®, please visit bmc.com/it-solutions/bmc-ami-recovery-db2.html

About BMC

From core to cloud to edge, BMC delivers the software and services that enable over 10,000 global customers, including 84% of the Forbes Global 100, to thrive in their ongoing evolution to an Autonomous Digital Enterprise.

BMC—Run and Reinvent

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