

BMC Solutions for IMS™ Fast Path Backup, Recovery, and Restart

Maximize availability and ensure integrity

PRODUCT DESCRIPTION

Fast Path Online Image Copy/EP lets you take an image copy of a Fast Path data entry database (DEDB) while the DEDB is online, without any database downtime. Fast Path Recovery and Restart solutions help you recover Fast Path databases quickly and perform faster cold starts of IMS after a system failure.

BUSINESS CHALLENGE

The digital economy and resulting data explosion have caused IMS databases to grow exponentially, but users still need continuous access to their data. It's imperative to keep data online and available even during routine backups. A comprehensive backup and recovery strategy is essential to ensure that you have the data you need if an outage occurs. If an outage occurs, you need to be able to recover quickly and without errors.

BMC SOLUTION

Fast Path Online Image Copy/EP works with other BMC Fast Path online products to take image copies of DEDBs while keeping them online and available. Backup and Recovery Solution for IMS provides a comprehensive set of backup and recovery functions for Fast Path databases (and all other IMS database types) and includes support for full disaster recovery. Fast Path Recovery Utility automatically selects and acquires all information and resources needed for successful recovery if an emergency restart of an IMS system fails. Fast Path Restart Control Facility provides a comprehensive, automated mechanism that ensures the integrity of IMS databases and critical system data sets during the restart of an IMS control region.

KEY FEATURES

BMC solutions for IMS Fast Path Backup, Recovery, and Restart:

- **Minimize or eliminate downtime** required for image copies
- **Simplify and automate backup** and recovery processes as well as system restarts
- **Ensure data integrity**

KEY BENEFITS

- **Maximize the availability of DEDBs** to applications to keep up with the pace of digital business
- **Significantly reduce I/O** through simultaneous reorganization, analysis, and image copying of a DEDB
- **Reduce the time required** to facilitate fast initiation of a cold start
- **Ensures absolute integrity** of IMS databases and critical system data sets during the restart of an IMS control region

PRODUCT DETAILS

BMC provides a comprehensive set of solutions for managing backups, recoveries, and restarts.

Fast Path Online Image Copy/EP generates an image copy for specific areas in the DEDB or for all areas defined in the DEDB. It can dynamically allocate the output image copy data set. The product can create stacked image copy data sets and multiple output image copies, it can analyze areas during image copy processing, record the image copy with DBRC, and compress the output image copy. When you execute Fast Path Online Image Copy/EP in conjunction with Fast Path Analyzer/EP, you can gather statistical information about an area and validate its pointers when you create a backup. When you use Fast Path Online Image Copy /EP with Fast Path Online Reorg/EP during an online reorganization, you can simultaneously reorganize and image copy a DEDB.

BMC Backup and Recovery Solution for IMS simplifies and automates copy and recovery processes with robust tools that take image copies, simulate and perform fast recoveries, provide change accumulation, and rebuild indexes. These tools provide maximum availability and ensure data integrity.

Fast Path Recovery Utility reduces the time required to perform an emergency restart of an IMS system, simplifies the process, and ensures that the resources needed are available. Depending on the number of databases and areas to be recovered and the volume of log data set records to be processed, these recoveries can require many hours to implement using native IMS capabilities. Fast Path Recovery

Utility reduces the time required from hours to only a few minutes. It automatically selects and acquires all information and resources needed for successful recovery, performs the recovery functions, and produces a set of comprehensive audit trail reports. It provides an override capability so you can specify the recovery control information such as the checkpoint ID and the log data sets to be used for the recovery process. Fast Path Recovery Utility supports up to seven copies of multiple area data sets (MADS), provides block-level sharing support, requires no source code modifications to any user or IMS program or control block, and provides a list of UOR for external subsystems such as DB2 and MQ.

Fast Path Restart Control Facility provides a comprehensive, automated mechanism to restart an IMS system after the previous IMS session was abnormally terminated within IMS Fast Path. Fast Path Restart Control Facility ensures the integrity of IMS databases and critical system data sets during the restart of an IMS control region. It minimizes downtime by enabling rapid IMS restarts with complete integrity, and it eliminates potential errors by reducing the number and complexity of decisions required during IMS restarts. Fast Path Restart Control Facility automatically determines IMS system resource and database status and dynamically allocates required data sets, and it works with Fast Path Recovery Utility to automatically recover DEDBs and schedule batch back out for HALDBs and full-function databases during /ERE COLD xxxx restarts.



FOR MORE INFORMATION

To learn more, please visit bmc.com/ims

About BMC

BMC helps customers run and reinvent their businesses with open, scalable, and modular solutions to complex IT problems. Bringing both unmatched experience in optimization and limitless passion for innovation to technologies from mainframe to mobile to cloud and beyond, BMC helps more than 10,000 customers worldwide reinvent, grow, and build for the future success of their enterprises.

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