

# MAXM® Reorg/EP for IMS

## Key benefits

- Delivers optimum database performance
- Enables personnel of any experience level to manage IMS databases by providing automated JCL generation
- Performs reorganizations, including an image copy of the reorganized database, in a one-step process
- Provides a Web-based interface to manage IMS databases and view statistics
- Supports all types of IMS full-function databases, including HALDB

## Overview

eBusiness is placing greater demands on IT to provide application availability. As more companies leverage legacy data to meet these demands, the already small batch window shrinks even further.

Databases must be reorganized frequently to maximize operating efficiency to meet these demands. Traditionally, when a database is being reorganized, it must be offline and unavailable to users, potentially resulting in lost revenue.

Continuous availability is not the only worry for IT managers; the lack of experienced IMS technicians is also a real problem. Senior personnel are forced to spend time on mundane tasks instead of tackling tough problems or exploiting new technology. The end result is that many companies are not deriving the maximum value from senior personnel.

## BMC Software solution

MAXM Reorg/EP for IMS significantly reduces the downtime required for complete database reorganizations to complete.

MAXM Reorg/EP for IMS provides a one-step reorganization. Traditional reorganization utilities require separate job steps for the

unload, reload, secondary index build, and image copy processes.

MAXM Reorg/EP for IMS requires only one license password to execute all functions, simplifying installation and maintenance.

## Flexible reorganizations

MAXM Reorg/EP for IMS provides the ability to choose the reorganization you need. You can reorganize the parts of a database that are causing performance problems, reorganize the entire database in one step, or run individual reorganization tasks.

## Complete reorganization

The *reorg* function speeds normal database reorganizations by consolidating traditional multi-step reorganization processes into a single step.

The database is reorganized to shadow databases, so the original database remains intact. If an error occurs during the reorganization, you can revert to the original database instead of recovering the database.

You can eliminate the image copy before the reorganization. In addition, the reorg function creates a DBRC-registered image copy during the reorganization process.

After the reorganization completes, the reorg function automatically swaps the data set names of the original database to the reorganized database, completing the reorganization cycle.

### Individual reorganization tasks

The *unload*, *reload*, and *index build*

functions complete individual reorganization tasks faster than any product available. They offer:

- Parallel processing
- Dynamic allocation of database and sort work data sets
- User exit capabilities

The *prefix resolution/update* function efficiently handles logical relationship work file records.

The entire reorganization can be run under DBRC control to guarantee database integrity and recoverability.

### Utility Manager technology

The JCL generator is the core functionality of the Utility Manager technology. Simply complete a one-time setup to describe your environment. JCL will always be generated based on the current database statistics.

The JCL that is generated exploits BMC Software features to ensure that your databases are reorganized to minimize run times and maximize data availability. Because the JCL is generated only when you need it, you no longer need to worry about migration issues or maintaining JCL libraries.

### Just enough, just in time

MAXM Reorg/EP for IMS provides what you need, when you need it:

- Fast reorganizations—you have less downtime than ever before
- Simplified reorganizations—junior personnel can execute reorganizations that formerly required highly skilled technicians
- A tool to help you predict when to reorganize
- A tool to generate optimized JCL
- A world-class technical support staff on call 24 X 365 to help you when you need it

### 24x365 data e-availability

The *optional* Online/Defrag feature keeps your critical databases online and your applications available 24x365.

Because only the trouble spots are reorganized, valuable system resources are not wasted on reorganizing records that do not need to be reorganized.

It finds trouble spots on your database and corrects them while leaving the database online. It reorganizes just the records that need to be reorganized. The database is online throughout the entire process and absolutely no downtime is required.

At times, you still need to reorganize the entire database to make structural (DBD) changes, implement user exits, or change space allocations. However, using the Online/Defrag feature can delay the need for a complete reorganization until you have the time to do it.

### BMC Software solutions for IMS

BMC Software's solutions for IMS provide effective and timely management of growth and change in increasingly complex environments. BMC Software's IMS solutions:

- Save time, maximize resources, and reduce costs with integrated database and system administration

- Optimize maintenance windows and avoid unplanned downtime
- Automate and simplify complex and error-prone tasks
- Ensure availability of mission-critical applications and speed up application change processes

BMC Software offers the following solutions for IMS:

- System Administration
- System Performance
- Database Performance
- Recovery Management

### About BMC Software

BMC Software, Inc. [NYSE: BMC], is the leading provider of enterprise management solutions that assure business availability – maintaining and optimizing business-critical systems with automated infrastructure management and unique service management capabilities. BMC Software is a Forbes 500 company and a member of the S&P 500, with fiscal year 2002 revenues approximately \$1.3 billion. The company is headquartered in Houston, Texas with offices worldwide.

**For more information on BMC Software, visit us on the Web at [www.bmc.com/ims](http://www.bmc.com/ims).**

BMC Software, the BMC Software logos and all other BMC Software product or service names are registered trademarks or trademarks of BMC Software, Inc. IBM and DB2 are registered trademarks of International Business Machines Corp. All other trademarks or registered trademarks belong to their respective companies.

© 2003 BMC Software, Inc. All rights reserved.

02/03 24827