

BMC MAXM Reorg Solutions for IMS™

Eliminate outages for IMS HALDB and full-function database reorganizations

PRODUCT DESCRIPTION

BMC MAXM Reorg solutions for IMS enable you to choose the type of reorganization you need. You can reorganize the parts of a database that are causing performance problems with no outage, reorganize the entire database and leave it online for updates during the bulk of the reorganization, or run individual reorganization tasks.

BUSINESS CHALLENGE

To keep HALDB, full-function, and BMC Partitioned Database Facility (PDF) databases performing optimally, you need to be able to reorganize to improve performance, deal with space issues, and implement structure changes. Traditional reorganization tools require multiple steps and lengthy outages, but even planned outages can be disruptive and costly. You need to be able to reorganize IMS databases while they are online and available to applications. And you need to simplify the reorganization process so that the new generation of DBAs can maintain the performance and availability that your users demand.

BMC SOLUTION

BMC MAXM Reorg solutions for IMS simplify reorganizations by generating all necessary control statements and automatically managing the required reorganization tasks. The solutions reorganize databases faster than competing products, can keep the databases available for update or read access throughout the reorganization, conserve resources by executing operations concurrently, require only one pass of the database, and offload processing to zIIPs. The results are reduced CPU and elapsed time for reorganizations. The new generation of DBAs can reorganize databases quickly and easily by using the intuitive graphical interface and the DBA Toolkit, both of which are included with each solution.

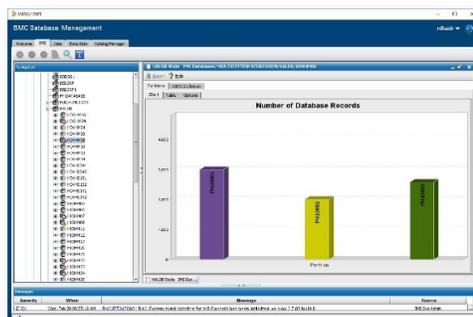
KEY FEATURES

BMC MAXM Reorg solutions for IMS make it easy to reorganize. The solutions:

- Perform reorganizations, including an image copy of the reorganized database and concurrent pointer checking, **in a one-step process**
- **Support all types of IMS full-function databases**, including HALDB and BMC Partitioned Database Facility (PDF)
- **Provide a Web-based interface** to manage IMS databases and view statistics
- **Provide interactive charts and tables** that display current state and historical information about jobs, databases, database partitions, data sets, and segments in the DBA Toolkit

KEY BENEFITS

- **Maximize application availability** by allowing database updates during reorganizations
- Deliver **optimal database performance**
- **Enable 24 X 365 availability** by reorganizing database “hot spots” with no outage - exclusive BMC Software technology



◀ You easily manage database reorganizations through the IMS Console.

PRODUCT DETAILS

The BMC MAXM Reorg solutions for IMS include the following products:

With **BMC MAXM Reorg/Online for IMS**, you can reorganize just the parts of a database that are causing performance problems (with no outage), perform a full database reorganization while database is online and being updated (a brief outage is required), and perform a one-step reorganization, including unload, load, index build, image copy, and prefix resolution/update.

The Online/Defrag feature, which is included in BMC MAXM Reorg/Online for IMS, 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—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.

With **BMC MAXM Reorg/EP for IMS**, you reorganize the entire database in read access mode, or run individual reorganization tasks.

The MAXM Reorg solutions also enable you to

- Dramatically reduce the outage required for the data set swap processing when you reorganize with update access and use the BMC-exclusive HALDB prefix update function
- Create an exact copy of a database with no outage (Clone function)

- Create point-in-time consistent batch image copy for one or more IMS databases with absolutely no outage
- Target, select, modify data to and generate custom data outputs (extracts) to support business needs
- Perform online structural changes, including converting to partitions, changing segment lengths, adding or deleting data set groups, adding or deleting secondary indexes, adding segments with existing parentage, modifying compression exits, and more

The **BMC IMS DBA Toolkit**, included with the MAXM Reorg solutions, provides a single interface to all the IMS databases in your enterprise. With each BMC reorganization utility execution, information about what maintenance has been performed (and when) on a database is automatically recorded. Individual execution data is accumulated into monthly and yearly reports, which you can use to analyze database trends. Interactive charts and tables display current state and historical information about jobs, databases, database partitions, data sets, and segments. The DBA Toolkit provides a disassembly function to ensure that the source code for IMS control blocks is available.

The **BMC IMS console** provides a single, easy-to-use graphical user interface (GUI) for managing IMS systems and databases. From the GUI, you can view statistics and perform operations on all your IMS databases, whether on one z/OS instance or spread across many instances in many physical locations.

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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