BMC Solutions for IMS™

Manage complex IMS environments with intelligent tools built for the new generation of IMS experts

**PRODUCT DESCRIPTION**

BMC solutions for IMS enable you to efficiently manage complex IMS environments and keep IMS available for processing virtually 24x7. The solutions manage all IMS database types (HALDB, full-function, Fast Path, and BMC Partitioned Database Facility) as well as your IMS systems.

**BUSINESS CHALLENGE**

Your data is arguably your organization’s most valuable asset, so you must ensure that it is secure, available, and performing at levels required to meet your business goals. While IMS expertise is dwindling, the volume of IMS data is growing and higher transaction volumes are driving volatility and complexity. Outages are disruptive and costly, but it’s difficult to find the time or expertise needed to maintain IMS databases and systems. Even IMS itself is changing, with the long-term goal of being easier to manage. But getting to the point where you can reap the benefits of new features like the IMS catalog is challenging because of your limited staff.

The best way to manage complex IMS environments is with tools that are built for the new generation – tools that are easy to use, that provide built-in intelligence, and that keep your IMS databases, systems, and applications online and performing optimally.

**BMC SOLUTION**

BMC solutions for IMS make it easy to manage even the most complex IMS environments. The solutions provide continuous availability so you can keep IMS databases, systems, and applications available for your users around the clock; automated intelligence, and innovation that matters. The solutions are intuitive, modern, and easy-to-use, and they were built for the new generation of IMS technicians. And the solutions are backed by unparalleled customer support.

**PRODUCT DETAILS**

BMC solutions for HALDB and Full-Function Databases enable you to proactively manage IMS databases to ensure availability, recoverability, data integrity, and performance. With the MAXM Reorg solutions and Backup and Recover Solution for IMS, you can reorganize and back up databases while they are online and available. You can proactively monitor database space usage and improve performance by

**KEY FEATURES**

With BMC solutions for IMS, you get:

- **Automated intelligence** to manage every IMS environment
- **Innovation that matters** – from routine maintenance to staying ahead of new IMS technology
- **Unparalleled customer support** when you need it most

**KEY BENEFITS**

- **Intuitive, easy-to-use solutions** enable the new generation to manage complex environments and exploit new technology like the IMS catalog.
- **Efficient processing, conditional maintenance, and zIIP exploitation** reduce costs.
- **IMS databases, systems, and applications remain continuously available** – even during maintenance and while implementing system changes.
identifying internal database problems. The solutions prevent online and batch programs from using the wrong IMS control block, verify pointers, and reduce reorg and image copy run times by 30%–50% with intelligent compression. You can even implement partitioning without the restrictions of HALDB.

**BMC solutions for Fast Path** data entry databases (DEDBs) provide superior transaction throughput, manageability, capacity, and speed. Using these solutions, you can reorganize, analyze, and take image copies of DEDBs concurrently and with one I/O, while the DEDB remains online; extend DEDBs without taking them offline; and ensure data integrity and recoverability during an IMS cold start. Exclusive BMC technology enables you to change the structure of a DEDB while it is online. You can model the effect of a potential DEDB change before implementing it, and you can increase transaction throughput with direct access to data by implementing secondary indexes.

**BMC MAXM Database Advisor for IMS** takes you toward a self-managing IMS environment. It improves availability and reduces costs by backing up and reorganizing only the databases that need it. It notifies you of databases that are reaching exception status, such as running out of space, so that you can prevent costly outages. BMC MAXM Database Advisor for IMS automates database maintenance for all IMS database types, reducing the learning curve for the new generation with built-in intelligence and self-learning.

**BMC Application Restart Control** implements checkpoint logic in batch IMS, DB2, and VSAM application programs – with no application changes – to reduce costs and ensure quicker restarts. You can modernize legacy applications by implementing intelligent checkpoint logic and pacing.

**BMC solutions for IMS/TM** enable dynamic, coordinated changes across multiple IMS systems without the need for an IMSGEN, and they enable you to analyze the impact of a change before implementing it. The solutions improve the availability of IMS systems by preventing message queue overflows and reducing the time required to find the root cause of problems, and they simplify the management of IMS Connect.

**BMC Catalog Manager for IMS** enables you to view and manage the database definitions and segment specification information in your IMS catalog and to verify that your catalog contains the information needed for IMS-managed ACBs. It provides cross-reference reports and allows you to submit IMS commands and generate DBDGEN, PSBGEN, and ACBGEN job streams — all through an easy-to-use dashboard.

**BMC AMI Defender for IMS** delivers up-to-the-second IMS security alerts to BMC AMI Command Center for Security, BMC Defender SIEM Correlation Server for Windows/UNIX, and other major security information and event management (SIEM) products. It provides visibility to a host of user events and attempts to access the data in your IMS environment. The product provides audit trails and standards-based archiving to adhere to PCI DSS, HIPAA, GDPR, GLBA, SOX, and other industry standards.

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

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

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**FOR MORE INFORMATION**
To learn more, please visit [bmc.com/ims](http://bmc.com/ims)

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**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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