

BMC AMI Data Solutions for IMS™

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

PRODUCT DESCRIPTION

BMC AMI Data 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 AMI Partitioned Database Facility for IMS™) 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 AMI Data 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 BMC AMI Online Reorg for IMS™ and BMC AMI Backup and Recovery for IMS™, you can reorganize and back up databases while they are online and available. You can proactively monitor database space usage and improve

KEY FEATURES

With BMC AMI Data 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.

performance by 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 AMI Data Fast Path solutions for 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 AMI 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 AMI 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 AMI 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 AMI Data 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 AMI Change Manager for IMS helps manage and streamline the IMS definition change process whether using the traditional DBD, PSB and ACB control blocks and their generation process, or driving the changes from the IMS catalog. The product allows users to easily identify and select what to work on, then steps them through a simple visual workflow to implement IMS definition changes. The intuitive graphical user interface also includes an IMS type 2 command builder wizard and buffer pool tuning capabilities.

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 DBA Toolkit for IMS**, 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 Console for IMS**, 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.



FOR MORE INFORMATION

To learn more, please visit [bmc.com/ims](https://www.bmc.com/ims)

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