



BMC POINTER CHECKER PLUS

Maximize data integrity, availability, and performance for IMS databases

Key benefits

- » Ensures data integrity
- » Improves availability by validating pointers concurrently with image copy and recovery tasks
- » Proactively monitors database space utilization
- » Provides full checking and hash checking options
- » Provides utilities for diagnosing and repairing structural problems in IMS databases
- » Enables you to manage IMS through a graphical user interface
- » Provides interactive charts and tables that display current state and historical information about jobs, databases, database partitions, data sets, and segments in the DBA Toolkit
- » Generates optimized JCL

Business challenge

When you depend on IMS databases, you expect high availability, optimal performance, and reliability. If data is not reliable, availability and performance don't really matter. Finding pointer errors is challenging and resource-intensive, particularly now that fewer experienced IMS DBAs are managing more and more data. You need to be able to maintain data integrity while ensuring high availability.

The BMC solution

BMC POINTER CHECKER PLUS validates, analyzes, and repairs IMS databases – quickly and efficiently. It maximizes data integrity and availability by identifying internal database problems. BMC POINTER CHECKER PLUS improves application availability and performance by proactively monitoring database space utilization.

Improve availability while using resources efficiently

BMC POINTER CHECKER PLUS improves availability by:

- » Verifying pointers during image copy or recovery
- » Using less CPU time and fewer EXCPs than IBM IMS High Performance Pointer Checker
- » Reducing EXCPs and elapsed time by using alternative access methods and parallel processing
- » Improving the efficiency of the reload by sorting an HD Unload file using the HD Sort program

To conserve processing resources even further, BMC POINTER CHECKER PLUS can be automatically called by BMC backup and recovery products for IMS.

Ensure data integrity

BMC POINTER CHECKER PLUS helps you protect critical IMS data by:

- » Validating the database from an image copy tape, verifying that the image copy tape is readable and the database is free of pointer errors
- » Incorporating threshold monitoring to warn of potential problem areas *before* they affect data availability
- » Verifying pointers each time an image copy or recovery is performed

Analyze and repair databases

BMC POINTER CHECKER PLUS provides utilities to diagnose and fix database structural problems.

- » The online Database Zap utility allows you to repair broken databases, verify data content, or learn the internal structure of IMS DL/I databases
- » The DL/I Block Dump utility lets you create hardcopies of database blocks in DUMP, DL/I, or EXTENDED DL/I format.

Features

- » Validates pointers (using either full or hash checking) concurrently with backup and recovery processes
- » Proactively monitors database space utilization
- » Provides interactive charts and tables that display current state and historical information about jobs, databases, database partitions, data sets, and segments

Proactively manage IMS maintenance

BMC Software provides an integrated family of products that simplify and automate full-function and HALDB maintenance. The graphical user interface and DBA Toolkit are included with each of these solutions:

- » BMC MAXM Database Advisor for IMS – proactively manages IMS database maintenance by alerting you to potential problems before they cause costly outages
- » BMC MAXM Reorg/EP Express for IMS – provides a one-step reorganization, including unload, load, and index build
- » BMC MAXM Reorg/EP for IMS - provides a one-step reorganization, including unload, load, index build, image copy, and prefix resolution
- » BMC MAXM Reorg/EP for IMS with Online/Defrag Feature – eliminates outages for performance-related “hot spot” reorganizations, and provides a one-step reorganization, including unload, load, index build, image copy, and prefix resolution/update
- » BMC MAXM Reorg/Online for IMS– eliminates outages for performance-related “hot spot” reorganizations, enables full database reorganization while database is online and being updated (requires a small outage of about 1 minute), and provides a one-step reorganization, including unload, load, index build, image copy, and prefix resolution/update
- » BMC POINTER CHECKER PLUS – validates, analyzes, and repairs IMS databases (full-function and HALDB)

For More Information

To learn more, please visit www.bmc.com/ims.

BUSINESS RUNS ON I.T.
I.T. RUNS ON BMC SOFTWARE.

Business thrives when IT runs smarter, faster, and stronger. That's why the most demanding IT organizations in the world rely on BMC Software across both distributed and mainframe environments. Recognized as the leader in Business Service Management, BMC offers a comprehensive approach and unified platform that helps IT organizations cut cost, reduce risk and drive business profit. For the four fiscal quarters ended March 31, 2009, BMC revenue was approximately \$1.87 billion. Visit www.bmc.com for more information.