

# MAXM® Database Advisor for IMS

## Key benefits

- Automates Database Monitoring - Database Advisor is equivalent to having onsite DBA coverage 24x7 across multiple IT facilities
- Conserves data management resources - Advisor communicates with scheduled reorganization jobs determining whether or not to run them, conserving CPU cycles as well as tape and DASD resources.
- Improves data availability - The product proactively determines if and when databases should have maintenance performed, reducing the frequency and length of database outages
- Conserves DBA resources - Advisor eliminates the need for the DBA to “supervise” the day-to-day maintenance of the database; valuable DBA resources can be dedicated to more critical tasks such as strategic planning and database design

## Overview

Two of the biggest drivers in the market today are:

1) The loss of knowledgeable professionals.

An increasing number of installations are seeing their IMS expertise dwindle as existing IMS talent moves towards retirement. Universities no longer teach mainframe based curriculums, so the replacement talent pool is usually skilled in relational technologies on UNIX or NT platforms. Today's typical junior DBA is more in tune with running JCL than the intricacies of the tuning and maintenance process. As a result, senior personnel are required in many of the day to day operations, thus spending less time on more strategic business issues.

2) The ever-growing need for higher levels of availability while reducing system resources.

As a result of e-commerce and the ever increasingly competitive market place, the need for more information being available to customers 24X7 has increased demands for data availability and at the same time IT budgets are being scrutinized. The days of database maintenance occurring on a scheduled routine are over. Today the goal is to

minimize the amount of database downtime, while maintaining performance. Another way to say this is “just enough, just in time”.

These drivers create the need for user friendly, intelligent software that can perform the day-to-day tasks of monitoring, analyzing and recommending database maintenance. MAXM Database Advisor for IMS does just that!

## BMC Software solution

The MAXM Database Advisor for IMS is an application that proactively and automatically manages full function database environment(s) within and across IMS and zOS SYSPLEX's. The Advisor predicts threshold-exceeding space and database performance events. What this means is that at a user specified lead-time, Advisor logs the upcoming event as an exception that requires action. This proactive notification gives the DBA advance warning so that required database maintenance can be planned and

scheduled in such a way to have minimal impact on existing SLAs. The product is managed through a flexible, easy to use Windows based interface.

The MAXM Database Advisor for IMS is also a resource savings application. By dynamically deciding to not run scheduled database maintenance, system resources are saved for other critical processing.

The MAXM Database Advisor for IMS is a flexible database maintenance solution, adding value to current customers processes, procedures and tools. The choice of underlying toolsets is left to the user. Out the box, Advisor supports both the MAXM reorganization solutions and IBM's base reorganization utilities. The presence of a MAXM reorganization solution enhances the Advisor's value by including feature and function available nowhere else.

### **First of it's kind technology**

MAXM Database Advisor for IMS is the first tool in the marketplace to proactively notify the DBA of his database reorganization needs. Traditionally database utilities have had the ability to report on threshold exceptions. The Advisor takes threshold reporting to the ultimate level and notifies the DBA in advance, predicting when the threshold will be exceeded. Advisor takes the current database maintenance cycle and automates the basic steps, from capturing statistical information, analyzing the statistics, forecasting threshold exceptions, and notifying the DBA of upcoming exceptions to generating optimized JCL for the reorganization. MAXM Database Advisor for IMS takes the database maintenance cycle to new levels of integration and automation!

### **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 a leading provider of enterprise management solutions that empower companies to manage their IT infrastructure from a business perspective. Delivering Business Service Management, BMC Software solutions span enterprise systems, applications, databases and service management. Founded in 1980, BMC Software has offices worldwide and fiscal 2003 revenues of more than \$1.3 billion. For more information about BMC Software, visit [www.bmc.com](http://www.bmc.com).

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