

CMF® MONITOR

Key features

- Provides a low-cost, high-performance alternative to Resource Measurement Facility (RMF)
- Offers single system image and a single point of control to monitor an unlimited number of z/OS and OS/390 systems
- Provides data on a wide range of system activity, including online views and batch reports
- Includes a customizable interface on a 3270 to display current and historical performance information
- Provides complete SMF-type 70-79 records for other products that rely on system activity data
- Delivers critical and timely support to help plan the move to WLC
- Provides key metrics to monitor and manage WLC, including early warning that workload capacity thresholds are being met or exceeded

Business challenge

Data centers must meet performance objectives and increase productivity in both the traditional mainframe and parallel sysplex environments. They need to measure selected areas of system activity and present the data in SMF records, printed reports and online displays. They require a single, powerful online reporting system that collects a broad range of data on a variety of system activities and offers compatibility with other related products.

BMC Software solution

The CMF MONITOR product from BMC Software continues to exploit the MAINVIEW® technology that provides true single system image and a single point of control for monitoring an unlimited number of z/OS and OS/390 systems. CMF MONITOR provides:

- Logical screens that can be viewed side by side on a single physical 3270 screen
- Reports on multiple z/OS and OS/390 systems
- User-friendly help menus
- Extensive data collection
- Customizable 3270 window interface
- Point-and-shoot navigation

- Comprehensive help system
- Detailed Coupling Facility views and batch reports
- Detailed Workload Manager (WLM) views and batch reports

Single System Image

Single system image provides for all resources within your z/OS and OS/390 enterprise. It allows you to analyze data from a whole new perspective, simply by displaying a summary view. Each row in a summary view represents a group of resources, such as:

- Started tasks
- Jobs in a particular service class
- System requests for a shared DASD device
- Cache activity to storage directors
- OS/390 images within a parallel sysplex, or within all parallel sysplexes, on a 3270 display

Extensive data collection

CMF MONITOR has an extractor that collects data for both the batch reports and the online interfaces. The

batch reports and online interfaces are comparable with RMF. CMF MONITOR also gathers and saves data for:

- TSO activity
- DASD head movement
- I/O activity by workload
- ASM activity
- LPA mapping

Online features

The online component uses a customizable window interface for displaying performance information. This component is a powerful tool that allows you to control the appearance and content of each view. You can split the screen space to allow more than one view to be displayed at a time with data from different OS/390 images. You can view different areas of system performance at once, and you can view historical and current data side by side. You can customize each view online.

CMF MONITOR makes it easy to navigate through screens and system information. It uses hyperlinks that you can modify to control which view or command is initiated by a hyperlink.

The comprehensive help system gives an explanation of the various data items displayed. It includes pop-up menus that describe fields, such as the average number of milliseconds that an I/O request was delayed. It even suggests reasons for problems.

Workload License Migration and Monitor Facility (WLMF)

Before you move to Workload License Charge (WLC), you need to have as much information as possible on the new environment. The WLMF manages and monitors WLC. It provides an early warning system to alert you before the workload capacity is being met or exceeded.

New reports

CMF MONITOR provides new and enhanced reports:

- The HTTP Server report is a combination report that requires the generation of SMF 103 records. It provides summary and detail information for each HTTP Server.
- The Lotus Domino report (requires SMF 108 records) displays global server activity data such as the number of users connected and number of mailboxes. It also displays transaction and port activity such as all the ports a particular server is listening to and the activity in the form of bytes sent or received as well as the associated sessions.

Hardware and software requirements

- The enhanced CPU Utilization report requires SMF 70 CPU records from OS/390 1.2 and higher. The new views support OS/390 2.8 and higher.
- The HTTP Server report requires OS/390 2.10 and SMF 103 records from the 5.3 version of the server.
- The Lotus Domino server report requires OS/390 2.10 and SMF 108 records from the 5.02 version of the server.
- For VTAM/EXCP access, MAINVIEW Alternate Access requires TSO/E 2.1 or higher and VTAM 2.2 or higher for VTAM support

If you have are using MAINVIEW for OS/390 with CMF MONITOR, you must keep the products in sync. See the product release notes for more information.

MAINVIEW for Infrastructure Management

MAINVIEW for Infrastructure Management monitors, manages, and automates enterprise server environments. It provides a wide array of online and historical views to manage your infrastructure across an unlimited number of z/OS, OS/390, UNIX System Services, or parallel sysplex environments.

MAINVIEW for Infrastructure Management allows you to do more with less. The automated component allows you to realize immediate application performance improvements with existing resources.

MAINVIEW for Infrastructure Management provides a high-performance, low-cost alternative to RMF.

About BMC Software

BMC Software, Inc. [NYSE: BMC], is the leading provider of enterprise management solutions that assure business availability – maintaining and optimizing business-critical systems with automated infrastructure management and unique service management capabilities. BMC Software is a member of the S&P 500, with fiscal year 2001 revenues exceeding \$1.5 billion and offices worldwide. For more information, please visit BMC Software's Web site at www.bmc.com.

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