

MAINVIEW® for OS/390

Key benefits

- Provides the only OS/390 and z/OS performance management product for both the parallel sysplex cluster and stand-alone enterprise server environments
- Offers business-critical application monitoring of service levels and workload objectives
- Achieves performance control via single system image to view the entire OS/390 or z/OS enterprise
- Automatically detects “exception condition” events to generate alarms
- Offers integration with the MAINVIEW family of advanced management and automation solutions for OS/390 enterprises
- Delivers critical and timely support to help plan the move to WLC
- Provides key metrics to monitor and WLC, including early warning that workload capacity thresholds are being met or exceeded

Business challenge

The complexity of the IT environment continues to place increasing demands on data center personnel. They must be able to increase performance objectives and productivity and, at the same time, control costs. In addition, they need the flexibility to manage across multiple OS/390 or z/OS systems or parallel sysplex environments.

BMC Software solution

The MAINVIEW for OS/390 (formerly MAINVIEW for MVS) product from BMC Software provides the functional power to achieve performance objectives and increase productivity across the OS/390 or z/OS enterprise. An extensive array of online views offers OS/390 and z/OS systems performance management across an unlimited number of OS/390 and z/OS systems or parallel sysplex cluster environments.

This product takes advantage of MAINVIEW plex-ready technology, making it possible to generate parallel sysplex-wide global alarms without the need to resort to costly, add-on, high-overhead workstation-based solutions.

MAINVIEW for OS/390 is part of the MAINVIEW for Infrastructure Management solution, which is a highly integrated MAINVIEW solution for OS/390 and z/OS environments.

Analyzes performance

MAINVIEW for OS/390 provides the information to help IT organizations analyze critical performance problems. It is a single solution for the stand-alone enterprise server environment and parallel sysplex cluster that provides real-time and historical online monitoring of performance resources and devices. MAINVIEW for OS/390 generates alarms on “exception condition” events, using MAINVIEW Alarm Manager.

MAINVIEW for OS/390 enables management via system programmer commands. MAINVIEW for OS/390 provides detailed online

- XCF and Coupling Facility monitoring views

- Enclave and Workload Manager (WLM) monitoring views
- LPAR-related views, showing capacity, cluster, and status information

Single solution

MAINVIEW for OS/390 is a single solution for the stand-alone enterprise server environment and parallel sysplex cluster. It delivers the only full-function, integrated resource-monitoring OS/390 performance and parallel sysplex management tool available today. It enables companies who are moving to a parallel sysplex environment to manage in this environment without incurring additional costs.

Monitors performance

MAINVIEW for OS/390 provides details on all OS/390 and z/OS system resources, showing key performance indicators in numerous areas of the operating system.

Alerts you to problems

The MAINVIEW Alarm Manager facility creates alarms based on performance goals, which are continuously monitored, and reports exceptions immediately via alarms. It uses the vast array of performance information made available by MAINVIEW to deliver true management-by-exception. It provides powerful point-and-shoot capabilities, enabling users to automatically navigate to a detailed view of performance information relevant to the exception that took place. It triggers an automation event within the MAINVIEW AutoOPERATOR™ product, providing an automation alert or an automated action.

Provides detailed views

MAINVIEW for OS/390 provides extensive Coupling Facility views without requiring any additional products. It

reports measurements for Coupling Facility views for synchronous and asynchronous requests separately, and it provides reports on all structures. MAINVIEW for OS/390 reports the sync-converted-to-asynchronous request count and queued request count. It includes XCF monitoring views to provide detailed XCF usage information by system, group and member. It includes detailed statistics by system, device, transport class and queue length.

MAINVIEW for OS/390 provides detailed enclaves and server address spaces information.

MAINVIEW for OS/390 provides details on Workload Manager performance. It helps provide an easy transition from compatibility mode to goal mode.

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. The WLMF

- Continuously monitors capacity usage and defined capacity
- Provides past CPU utilization in terms of millions of service units per hour (MSU/hour)
- Provides current MSU utilization per LPAR
- Provides historical 4-hour rolling average information per LPAR
- New views provide critical WLC metrics

The MAINVIEW Alarm Manager alerts you when the 4-hour usage over defined capacity reaches or exceeds the threshold.

Simplifies OS/390 management

MAINVIEW for OS/390 provides many commands to change the status of key areas within OS/390, and it enables actions to ensure the availability of the OS/390 environment. MAINVIEW SYSPROG Services (a key feature of MAINVIEW for OS/390) incorporates a series of system commands and action that are needed to easily monitor and control your OS/390 and z/OS operating system.

Provides automation

The MAINVIEW AutoOPERATOR product provides the automation component of the MAINVIEW product family. It fully supports all IBM® supported versions of OS/390 and z/OS. It offers complete automation for all OS/390 subsystems, such as IMS, CICS TS, and DB2® as well as complete automation for MQSeries. MAINVIEW AutoOPERATOR can eliminate up to 75% of OS/390 console messages, transforming system management into simple push-button operations.

MAINVIEW Explorer enables companies to proactively manage OS/390 applications from a Web-based graphical user interface, transforming the data it collects into easily understood information, accessible from any simple Web browser

Technical information

If you are using the BMC Software CMF® MONITOR product, it must be upgraded when you install MAINVIEW for OS/390 V2.6.

Hardware and software requirements

- IBM and compatible mainframes supporting OS/390 V1.2 or later; requires ISPF/PDF V3.5 or higher

- For VTAM/EXCP access, MAIN-VIEW alternate access requires TSO/E V2.1 or later and VTAM V2.2 or later (for VTAM session support).

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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