

MainView Monitoring

Transform digital business with intuitive and cost-effective IBM® z/OS® and z/OS UNIX® management

PRODUCT DESCRIPTION

MainView takes the guesswork out of monitoring and managing the performance and availability of your IBM z/OS and z/OS UNIX environment by identifying and resolving problems before they impact the business. It delivers maximum performance while lowering mainframe costs.

BUSINESS CHALLENGE

Digital business has added an unprecedented level of complexity as well as an increasing number of transactions with an unpredictable arrival rate. IT must ensure that business services meet the requirements of customers who demand 24x7 availability and instant response time. Digital business relies on the mainframe and organizations need solutions to handle these growing demands. **Existing monitoring is often resource-intensive and may rely on manual processes and multiple monitors that lack a single view, cannot prioritize alarms, and do not provide the speed that customers want.**

BMC SOLUTION

MainView Monitoring is an intuitive, intelligent, and cost-effective solution that delivers dynamic performance management with real-time and historical data to help IT organizations reduce mainframe costs while servicing new digital business and traditional workloads. Its centralized architecture lets you detect, prioritize, and resolve problems quickly with intelligent, proactive automation. See and manage all systems with a single view and control. Improve staff efficiency with central administration and optimize operational costs with the most efficient usage of resources.



KEY FEATURES

MainView Monitoring optimizes your mainframe for the needs of today's digital business.

- **Self-learning and dynamic adjustments** – Advises and dynamically sets thresholds based on analysis of business cycle historical performance data
- **Complete performance management** – Allows comprehensive changes from a single integrated interface for z/OS and z/OS UNIX services, resources, and workloads
- **Intelligent proactive monitoring** – Automatically identifies abnormal behavior and takes action before system performance compromises service
- **Fast and easy** – Proactively identifies emerging performance issues with smart alerts

KEY BENEFITS

- **Lowers CPU footprint** by exploiting zIIPs with some components offloading up to 90%–100%
- **Simplifies changes** by updating z/OS and z/OS UNIX configurations without reinitializing your entire operating system
- **Identifies problems quickly** using a single view and control no matter where they appear
- **Tracks an array of critical metrics** to take the guesswork out of optimizing performance

◀ MainView Monitoring proactively identifies problems before they impact business.

PRODUCT DETAILS

MainView Monitoring is made up of products which work together to give you a clear view and maximum control over your entire z/OS environment. Those products include MainView for z/OS®, MainView for UNIX® Systems Services, BMC CMF Monitor, and MainView SYSPROG Services.

Critical insights for UNIX System Services: Obtain a quick understanding of critical USS metrics like process counts and usage and delay threads. With a single view and point of control, you can seamlessly manage and monitor key performance z/OS UNIX metrics such as processes, file systems, and configuration parameters.

Intelligent, proactive automation: Automate anomaly detection with pinpoint precision to increase system availability. Only real problems are raised because the solution can distinguish between performance anomalies, business cycle changes, workload changes, and performance spikes.

zIIP exploitation: Use CMF Monitor, which exploits IBM zIIP processors, releases high cost, general purpose engine capacity to the business, and reduces costs.

Address real-time performance issues: Assist in the planning and fine tuning of z/OS operating system configurations. Issue critical system commands and receive responses from them within the MainView environment. Allow dynamic system changes without the need for an outage.

Dynamic, intelligent thresholds: Automatically load and manage best practice-based thresholds for the system, Sysplex, and business components.

Guided navigation: Go to the source of the problem to identify and fix performance and availability issues before they impact the business, thus lowering MTTR.

Single view and control for efficient, automated problem solving: With a single glance, understand the health and take the guesswork out of identifying and resolving problems.

Metrics that matter: Automatically get notified when critical z/OS metrics are abnormal, including CPs, storage, coupling facility, cross coupling facility (XCF), and enclave usage.

Efficient data collection: Share data with MainView Monitoring solutions to reduce the need to run redundant data collectors that waste CP cycles.

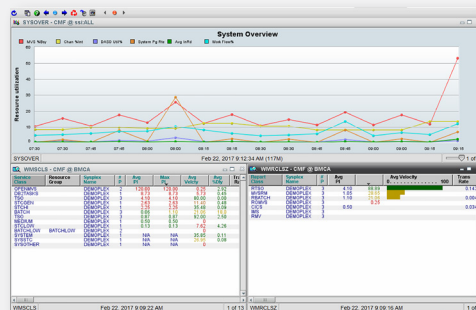
Unique ability to replace IBM Resource Measurement Facility™: Use CMF Monitor, which creates the SMF records required by IBM to debug both hardware and support issues. It accurately detects system capacity issues, monitors system and workload trending, develops the SCRT billing report, and models future capacity to ensure upgrades are done when needed.

Smart loop check and max threshold: Automatically identify abnormal job application performance parameters, such as job looping or exceeding thresholds, and automatically take corrective action before users are impacted.

FOR MORE INFORMATION

To learn more about MainView, please visit bmc.com/mainview.

System and Workload Manager (WLM) Overview



BMC is a global leader in innovative software solutions that enable businesses to transform into digital enterprises for the ultimate competitive advantage. Our Digital Enterprise Management solutions are designed to fast track digital business from mainframe to mobile to cloud and beyond.



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