bmc

Datasheet
Mainframe

MainView for Java® Environments

Deploy Java on IBM® z/OS® with confidence

PRODUCT DESCRIPTION

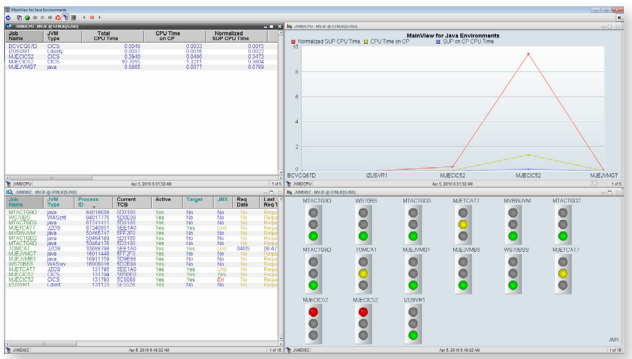
MainView for Java® Environments is an integrated Java® systems management solution with deep insight into Java resource usage and how it impacts other workloads and applications.

BUSINESS CHALLENGE

In the race to thrive as a digital business and gain competitive advantage, mainframe organizations have been rapidly deploying Java on IBM® z/OS®. However, Java workloads manage their own resources, unaware of the needs of traditional mainframe applications. This can seriously impact performance and availability. **Without an integrated monitoring solution for Java environments, you lack the visibility to quickly isolate and resolve issues, maintain the performance and availability that business demands, and cannot ensure that Java is offloading zIIPs most effectively.** This lack of insight makes it difficult to keep up with digital business and identify opportunities to reduce IBM monthly license charge (MLC) costs.

BMC SOLUTION

MainView for Java Environments is an integrated solution that lets you deploy Java with confidence by quickly identifying performance problems caused by JVMs (Java virtual machines) and understanding their impact on other workloads. It automatically discovers all JVMs across z/OS, so you can find and fix problems rapidly. The solution uses best practice-based metrics and analytics that automatically reveal how Java affects availability, performance, and capacity. It can help lower MLC costs by monitoring zIIP offloading and provides historical reporting and usage trends to deliver greater insight into workload performance.



KEY FEATURES

MainView for Java Environments helps you unlock the full potential of Java for the mainframe by increasing awareness of Java usage.

- **Smart and fast** – Automatically discover all JVMs across z/OS with intelligent discovery
- **Integrated** – View real-time metrics and resource usage for all mainframe Java environments
- **Intuitive** – Find and fix problems rapidly with a single view and control for all Java workloads, applications, and resources
- **Optimized** – Show the CPU offloaded to zIIPs and what could be offloaded if capacity becomes available

KEY BENEFITS

- **Increase application performance and availability** with visibility into real-time Java resource utilization
- **Lower mean time to resolution (MTTR)** by proactively detecting and preventing performance problems
- **Reduce MLC costs** by managing the offloading of Java to zIIPs, minimizing expensive CPUs
- **Improve staff productivity** by quickly and easily identifying performance issues created by Java

MainView for Java Environments rapidly identifies Java runtime environment issues before they impact business users. It provides an easy-to-use graphical interface with a single view and control to monitor and manage Java workloads across z/OS systems and subsystems.

PRODUCT DETAILS

Single view and control: View and manage your JVMs and your entire mainframe infrastructure from a powerful graphical console. Enjoy the convenience of a user-friendly interface to easily identify and fix issues before they impact your customers and business.

Intelligent integrated performance monitoring: Take the guesswork out of optimizing your Java mainframe performance and availability by using real-time metrics. Quickly understand the impact Java applications have on resources and how this affects the performance of applications and transactions.

Smart dashboards: Quickly assess the health of your transactions and applications with easy-to-create customized views.

Intelligent Alarms: Automatically detect abnormal workload activity that impacts Java applications, speeding problem isolation and repair.

Intelligent discovery: Data center IT staff may not know that JVMs are running, and worse yet, could have no way of figuring out how they are affecting other workloads. The solution automatically discovers all JVMs across your mainframe subsystems.

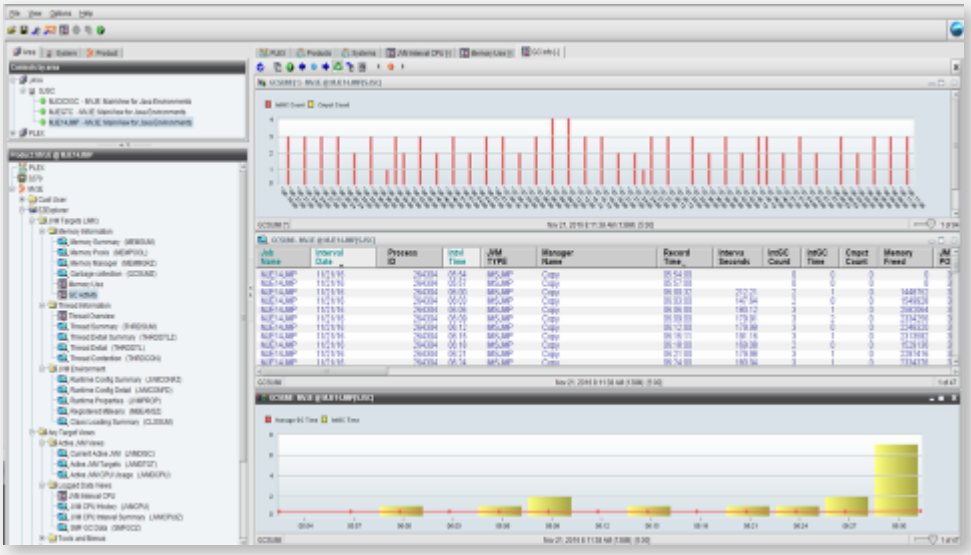
Cost optimization: The MainView product suite can lower costs with 50% more efficient monitoring. MainView for Java Environments can reduce MLC by monitoring Java offloads to lower-cost zIIP engines.

Historical reporting: Use historical reporting and the ability to trend resource usage to gain a clearer understanding of what's happening in the environment.

Memory management (garbage collection): Understand how garbage collection is working and how often it runs, as this function of JVMs and can have a major impact on performance if applications are not perfectly tuned. Gain insights into the status of heap management, garbage collection timing, and efficiency. The solution provides SMF 29 for garbage collection statistics for IMS without JMX, so that you can focus on the regions where you need to collect data.

FOR MORE INFORMATION

To learn more about MainView for Java Environments, please visit **bmc.com/mainviewjava**



MainView for Java Environments provides garbage collection trends.

About BMC

BMC helps customers run and reinvent their businesses with open, scalable, and modular solutions to complex IT problems. Bringing both unmatched experience in optimization and limitless passion for innovation to technologies from mainframe to mobile to cloud and beyond, BMC helps more than 10,000 customers worldwide reinvent, grow, and build for the future success of their enterprises.

BMC – The Multi-Cloud Management Company **www.bmc.com**

477810