

# MainView for Java<sup>®</sup> Environments

Deploy Java on IBM<sup>®</sup> z/OS<sup>®</sup> with confidence

## PRODUCT DESCRIPTION

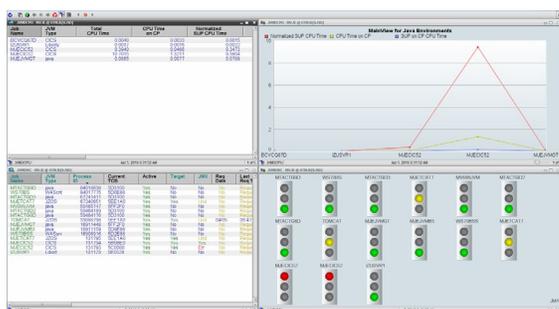
MainView for Java<sup>®</sup> Environments is an integrated Java<sup>®</sup> systems management solution with deep insight into Java resource usage and how it impacts other workloads and applications.

## BUSINESS CHALLENGE

In the race to thrive as a digital business and gain competitive advantage, mainframe organizations have been rapidly deploying Java on IBM<sup>®</sup> z/OS<sup>®</sup> and utilizing APIs to extend their mainframe data and resource to Java applications and other systems. However, Java workloads manage their own resources, unaware of the needs of traditional mainframe applications and utilizing z/OS Connect EE won't allow you to know how efficient or inefficient your APIs are running. 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 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 costs by monitoring zIIP offloading and provides historical reporting and usage trends to deliver greater insight into workload performance. You can also see information about the APIs and Services being used to ensure higher availability and better response time in your mainframe.



## 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
- **Intelligent** – 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
- **Integrated** – Drill down to root cause with a single click utilizing MainView's cross-product navigation

## 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 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
- **Auto discover** the APIs and Services being used within IBM's z/OS Connect EE to identify usage and manage services

◀ 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.

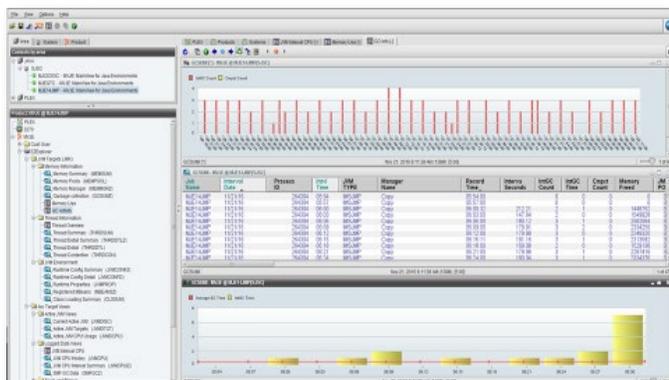
**Intelligent discovery:** Data center IT staff may not know that JVMs are running, and worse yet, could have no way of figuring out how they are affecting other workloads. The solution automatically discovers all JVMs across your mainframe subsystems.

**Cost optimization:** The MainView product suite can lower costs with 50% more efficient monitoring. MainView for Java Environments can optimize costs by monitoring Java offloads to lower-cost zLIP 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 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 in real-time.

**Support for z/OS Connect EE:** View information about the APIs and Services being used by z/OS Connect including response time data by API, Service, and URI. Auto discover the APIs and Services being used to understand if they are running slower than the average response time and react quickly.



↑ MainView for Java Environments provides garbage collection trends.

## FOR MORE INFORMATION

To learn more about MainView for Java Environments, please visit [bmc.com/mainviewjava](https://bmc.com/mainviewjava)

## About BMC

BMC delivers software, services, and expertise to help more than 10,000 customers, including 92% of the Forbes Global 100, meet escalating digital demands and maximize IT innovation. From mainframe to mobile to multi-cloud and beyond, our solutions empower enterprises of every size and industry to run and reinvent their businesses with efficiency, security, and momentum for the future.

**BMC – Run and Reinvent**

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