

# BMC MainView for UNIX<sup>®</sup> System Services

Improve the availability and performance of UNIX<sup>®</sup> system services

## PRODUCT DESCRIPTION

MainView for UNIX Systems Services (USS) enables users to meet digital business objectives by using a common interface to monitor and manage the performance of USS workloads and resources. It provides a single point of view and control for critical IBM<sup>®</sup> z/OS<sup>®</sup> UNIX metrics, including threads, process data, and file system data, and uses a process trace facility to isolate problems. You can manage the z/OS UNIX environment to issue test commands and scripts, and edit files from the same interface you use for monitoring the environment.

## BUSINESS CHALLENGE

Today, the bigger, faster, and more complex needs of digital business impact mainframe IT and the new and existing applications that rely on z/OS UNIX. That's why performance and availability are more important than ever. At the same time, **there is continued pressure to optimize mainframe costs.**

## BMC SOLUTION

MainView for UNIX Systems Services enables organizations to reduce costs and get more value while servicing both new digital business and traditional workloads. It automatically helps identify, find, and fix z/OS UNIX problems before they impact the business. The solution provides complete management of your z/OS UNIX environment and is based on a centralized architecture that delivers smart alarms, dynamic thresholds, and intelligent proactive automation—ensuring services meet customers' demands for availability.



Speed  
problem resolution



Improve availability  
and performance



Lower  
costs

## Digital Enterprise Management Solutions



## KEY FEATURES

MainView for UNIX Systems Services provides complete management of your z/OS UNIX environment.

- **Standard configuration and navigation** – Manages and configures resources easily and uses guided navigation for root cause analysis
- **Complete performance management** – Easily changes USS system parameters and file systems functions and issues commands to z/OS UNIX
- **Single view and control** – Monitors and manages an unlimited number of USS environments including critical resources and metrics using a mainframe-based 3270 or browser-based view
- **Accurate early warnings** – Eliminates non-relevant notifications with smart alarms

## KEY BENEFITS

- **Speeds problem resolution** with rapid, guided navigation to identify the root cause
- **Improves efficiency** by enabling USS resources and business-related metrics to be visible and accessible from a single view
- **Improves availability and performance** with intelligent proactive automation
- **Lowers mainframe costs** with common data collection and efficient resource usage

## PRODUCT DETAILS

**z/FS z/OS (file system):** See details of performance and resource usage issues in both UNIX and z/OS terms. Gain a complete understanding of activity by mapping the UNIX file systems or underlying file structure to the z/OS data set name. Ensure that file systems critical to applications are available and understand their growth rate. See which applications are using various file systems and identify contention.

**Dynamic actions:** Dynamically alter USS parameters: IPCSBPX, BPXPRM, and files system area displays. Modify individual process limits to enable a quick response to changing conditions.

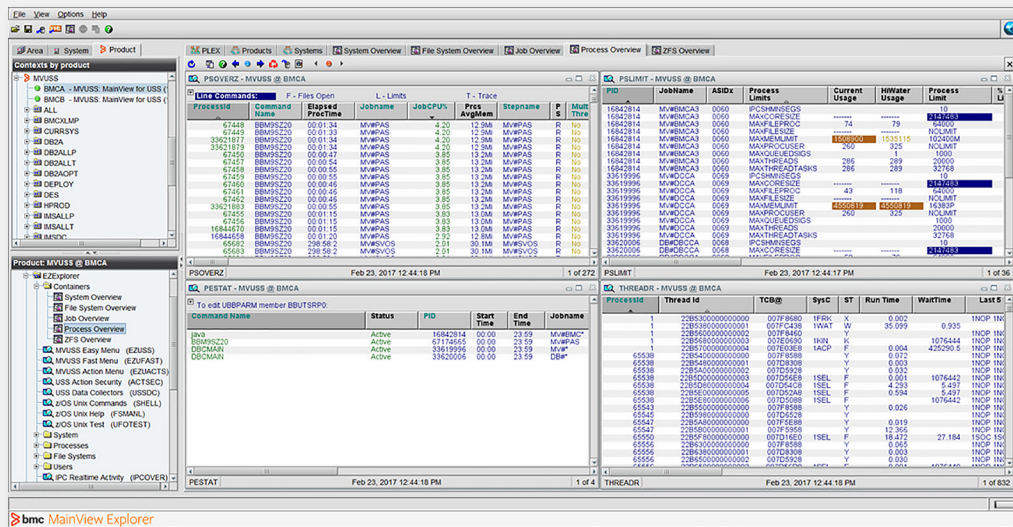
**Monitoring and management of BPXPRM parameters:** Define high limits within z/OS UNIX, such as the number of concurrent processes. The current value is monitored and MainView's smart alarms will generate a message based on the defined parameter limits in BPXPRM. Identify the root cause with rapid, guided navigation to prevent slowdowns or error conditions in z/OS UNIX or z/OS that impact availability.

**Detailed process information:** Obtain information about processes, including latch-wait PID, and tie them to the z/OS address space to act and prevent problems before they occur. Gain a more granular understanding of what is happening by displaying threads that are associated with each process state, including the amount of CPU usage and the system call being executed.

**Rapid problem resolution:** Manage and monitor UNIX applications running under z/OS. Observe applications and resources consumed from the z/OS UNIX perspective that traditional performance monitors are unable to see. Get detailed information and actions for managing file systems, z/OS UNIX processes and threads, BPXPRM parameters, and users. Achieve rapid response to changing conditions and the ability to alter key z/OS UNIX parameters dynamically.

## FOR MORE INFORMATION

To learn more about BMC MainView for UNIX Systems Services, please visit [bmc.com/mainviewmonitoring](http://bmc.com/mainviewmonitoring)



MainView for UNIX System Services displays key metrics such as process ID and resource usage (e.g, memory, CPU, etc.).

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.

**BMC – Bring IT to Life**

**BMC digital IT transforms 82 percent of the Fortune 500.**



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