CA OPS/MVS Event Management and Automation helps you maintain optimal performance and availability of vital business applications by managing the resources in your diverse mainframe environment.

**Business Value**

CA OPS/MVS Event Management and Automation helps you lower total cost of ownership (TCO) by improving system resource and user efficiency through automation. It manages the availability of critical z/OS resources and maintains the optimal conditions of your mainframe systems by managing daily operations according to defined business policies, replacing the need to manually react to console messages and write to operator messages. By automating complex user-specified conditions, automation staff can shift their focus to creating new code that meets the requirements of the business.

**Product Overview**

z/OS, its subsystems, databases, middleware, applications, and software generate thousands of event messages daily. IT professionals need a tool to filter, prioritize, and respond quickly to these events before they impact availability and threaten business processing and associated service level agreements. CA OPS/MVS Event Management and Automation automates processes, enabling you to resolve problems as they arise. It also automates more routine tasks, simplifying IT management and operations.

**Delivery Approach**

CA Services provides a portfolio of mainframe services delivered through CA internal staff and a network of established business partners chosen to help you achieve a successful deployment and get the desired business results as quickly as possible. Our standard service offerings are designed to speed deployment and accelerate the learning curve for your staff. CA's field-proven mainframe best practices and training can help you lower risk, improve use/adoption, and ultimately align the product configuration to your business requirements.
Features

Mainframe 2.0

CA OPS/MVS Event Management and Automation has adopted a key Mainframe 2.0 feature that is designed to simplify your use of CA OPS/MVS Event Management and Automation and enable your staff to install, configure, and maintain it more effectively and quickly.

CA MAINFRAME SOFTWARE MANAGER The CA Mainframe Software Manager automates CA OPS/MVS Event Management and Automation installation, deployment, and maintenance and removes SMP/E complexities.

• The Software Acquisition Service enables you to easily move product installation packages and maintenance from CA Support Online directly to your mainframe environment and prepare them for installation.

• The Software Installation Service standardizes CA OPS/MVS Event Management and Automation installation, which includes a new, streamlined Electronic Software Delivery (ESD) method that allows CA OPS/MVS Event Management and Automation to be installed using standard utilities. This service also provides standardized SMP/E product installation and maintenance via APARs and PTFs, and simplifies SMP/E processing through an intuitive graphical user interface and an intelligent Installation Wizard.

• The Software Deployment Service enables you to easily deploy CA OPS/MVS Event Management and Automation in your mainframe environment.

• CA MSM Consolidated Software Inventory (CSI) updates and infrastructure improvements add flexibility to CA MSM processing of CSIs and enable CA MSM to more effectively utilize CPU and system memory.

INSTALLATION VERIFICATION PROGRAM (IVP) AND EXECUTION VERIFICATION PROGRAM (EVP) As part of qualification for inclusion in the set of CA mainframe products released every May, CA OPS/MVS Event Management and Automation has passed stringent tests performed through the IVP and the EVP to find and resolve interoperability problems prior to release. These programs are an extension of CA’s ongoing interoperability certification initiative, launched in May 2009.

BEST PRACTICES GUIDE This Guide provides information on CA OPS/MVS Event Management and Automation installation, initial configuration, and deployment to shorten the learning curve for staff who are responsible for the installation and management of this product.

HEALTH CHECKER The Mainframe 2.0 Health Checker provides CA OPS/MVS Event Management and Automation Health Checks that execute under the IBM Health Checker for z/OS. The health check helps make sure that systems programmers have access to the critical diagnostic information needed to identify and resolve system and critical application failures. This capability simplifies problem diagnosis, shortens testing time and effort, and reduces the likelihood of costly downtime.

CA OPS/MVS Event Management and Automation r11.8 Features

SYSTEM STATE MANAGEMENT GLOBAL APPLICATION (SSMGA) CA OPS/MVS SSMGA has been enhanced with configuration checks and diagnostic tools to provide for the allocated resources to be moved to their target systems.
NEWLY INTRODUCED AUTOMATED APPLICATIONS The new release includes 11 new automated applications that provide automation analysts with out-of-the-box automation. The most recent offerings exploit data within CA SYSVIEW to base automation decisions, monitor and manage the health of resources that could impact the health of cross-system communication and the OPSLOG, and a monitor for the System State Manager.

EXPANDED MANAGEMENT OF IMS TYPE 2 CAPABILITIES CA OPS/MVS Event Management and Automation has been enhanced to manage IMS resources remotely, from instances of CA OPS/MVS Event Management and Automation outside of the IMSPLEX.

64-BIT STORAGE UTILIZATION The solution has been enhanced to offload some of its storage requirements above the 32-bit bar. The enhancement enables your business to utilize those resources in storage-constrained sites.

UPDATED PRODUCT PARAMETERS Changes to the releases of the z/OS operating systems and subsystems have changed as new releases became available. CA OPS/MVS Event Management and Automation has been updated to better manage the changes to these resources. The product updates will further enhance the scalability of the solution.

CA OPS/MVS Event Management and Automation Product Features

Today's dynamic z/OS environment produces literally thousands of event messages every day, some critical and some merely noise. To ensure that the red-flag messages—those that can impact service level agreements, business processing, and performance of system resources—receive priority status and quick resolution requires an advanced automation and management tool that is available on demand, 24/7.

CA OPS/MVS Event Management and Automation helps you spot those red-flag messages quickly and easily. You can automate routine and complex tasks, messages, commands, policies, and procedures—and implement an automated business recovery solution. CA OPS/MVS Event Management and Automation intercepts console and USS messages, as well as those from job- and performance-related events, elevating those issues that can impact continuous business processing. Should the worst occur, you can provide for ongoing business processing with the automated disaster recovery hot-site restart process.

CA OPS/MVS Event Management and Automation is very flexible. It allows you to deploy automation scripts using panel-driven automation, which simplifies code deployment and implementation. You can also integrate CA OPS/MVS Event Management and Automation with many products from CA and other vendors. CA OPS/MVS Event Management and Automation contains powerful capabilities to enhance your organization's ongoing business processing. These capabilities include synchronous automation, comprehensive cross-system state management, Multi-System Facility (MSF) to enable centralized automation, a relational data framework with powerful retrieval capabilities, and the ability to perform simple queries through an audit trail. Such capabilities make CA OPS/MVS Event Management and Automation one of the best mainframe automation products on the market today.
Key Capabilities

SYNCHRONOUS AUTOMATION Synchronous automation takes automated action when an event occurs, not after the fact, enabling you to maintain acceptable levels of performance and the capability to better meet service level agreements. Most automation solutions react to messages once they appear on the console. By that time, the complexion of your environment has changed, as precious seconds have passed. CA OPS/MVS Event Management and Automation is designed to intercept the message at the time it is created and react immediately. It accomplishes this through a rules engine that detects, evaluates, and responds to a wide range of system activities as they are processed at the z/OS subsystem interface. When the system is under stress from multiple concurrent events, the multi-threaded architecture enables CA OPS/MVS Event Management and Automation to respond reliably to each event. You can also handle tasks requiring an asynchronous response with a script or a REXX program through OSF server, which can reduce event-processing bottlenecks.

Another element in synchronous automation is OPS/REXX, a synchronous language that, when used in conjunction with precompiled rules, helps you eliminate overhead involved in reading and interpreting from a library. You can use EasyRule, a simplified automation code generator, to quickly create automation rules via a fill-in-the-blank ISPF panel. No programming or previous REXX knowledge is required. Synchronous automation provides a group of environmental variables for each rule type, and user-definable variables to store data across system restarts. OPS/REXX includes an extensive library of special functions that enable you to detect address space and device availability, and collect information on JES2, Sysplex, and system resources.

GLOBAL APPLICATION SYSTEM STATE MANAGEMENT Verifies that critical resources move from under-utilized systems to resource-constrained systems with global system state management. Global system state management compares the current state of a device or resource to a desired state, and takes proactive steps to align the resource with the desired state across systems. A schedule manager defines the desired state by date, day of the week, or time of day, and an override feature temporarily suspends the schedule for managed resources. With global system state management, you gain an unparalleled depth of coverage for system and subsystem resources and a centralized, globally enabled cross-system management solution.

CA OPS/MVS EVENT MANAGEMENT AND AUTOMATION MULTI-SYSTEM FACILITY (MSF) If you have multi-CPU or multi-site environments, you can use CA OPS/MVS Event Management and Automation MSF for peer-to-peer communication between two or more CA OPS/MVS Event Management and Automation subsystems, which is critical for business continuity planning. CA OPS/MVS Event Management and Automation MSF detects system failures and starts systems, subsystems, and software at the secondary or tertiary sites in an efficient manner. CA OPS/MVS Event Management and Automation provides the automation tools to enable the complex policies required for business continuity or disaster recovery.

RELATIONAL DATA FRAMEWORK The relational data framework enables IT to define relationships between disparate data sources and simplifies the management of enterprise and system information. You can manage correlated events with this high-speed, synchronous, Structured Query Language-based framework because it stores any variable or data element in a data structure that can be correlated against other data elements.
OPSLOG AUTOMATED AUDIT TRAIL System events, including messages, reside in OPSLOG. You can use OPSLOG to quickly research and resolve questions related to past events, analyze specific events, or spot trends or patterns that further enhance existing automation. A rapid browse facility enables IT to filter, search, archive, display, and print log data quickly and easily. OPSLOG data can be accessed and viewed via a Web browser. Users can customize views to focus on the data of most interest to them.

**Other features and capabilities of CA OPS/MVS Event Management and Automation include:**

- **AUTOMATION ANALYZER** Indicates where the data center would most benefit from automation
- **COMPREHENSIVE SYSPLEX SUPPORT** Manages events from your Sysplex facilities and Sysplex-specific resources in order to maintain high availability
- **OPERATIONS FACILITIES** Enables CA OPS/MVS Event Management and Automation to receive messages from CICS regions or IMS control regions and manage specific resources within those environments in order to maintain high availability
- **EXPERT SYSTEMS INTERFACE** Provides systems programmers and application programmers access to selected CA OPS/MVS Event Management and Automation facilities from an application written in either a high-level or assembler language
- **SUPPORT FOR UNIX SYSTEM SERVICES (USS)** Manages USS and traditional MVS workloads and helps maintain high availability

CA OPS/MVS Event Management and Automation integrates tightly with other CA products from multiple disciplines, including: CA Common Services™, Unicenter® Network and Systems Management (Unicenter NSM), Unicenter® NSM System Status Manager CA OPS/MVS® Option, CA Automation Point, CA Workload Automation solutions, CA SYSVIEW® Performance Management, CA MIM™ Resource Sharing, and CA NetMaster Network Management.

**Benefits**

CA OPS/MVS Event Management and Automation helps to improve availability in the z/OS environment, maintain business processing, align IT with business needs, manage IT costs, and deliver operational efficiencies. Because CA OPS/MVS Event Management and Automation is designed to identify and solve problems as they occur, you can limit or eliminate the impact that an event can have on your z/OS environment. This helps align IT with business goals by enhancing availability. Early event resolution also helps manage the costs associated with downtime.

By automating routine and complex tasks, you gain operational efficiencies and reduce total cost of ownership (TCO). IT staff can let CA OPS/MVS Event Management and Automation perform the tedious tasks, while they focus on issues that require human intervention or tomorrow’s automation opportunities. CA OPS/MVS Event Management and Automation centralizes and simplifies resource management and enterprise system information management, helping you optimize the resources in your mainframe environment.
Why CA
CA OPS/MVS Event Management and Automation helps reduce the potential for human error and improves user productivity and system resource utilization by offering a comprehensive solution for automating the resolution to problem conditions. Through its inherent management capabilities, you can better align IT with business needs, achieve cost savings, and improve operational user efficiencies. CA OPS/MVS Event Management and Automation is a key component of CA’s Mainframe 2.0 initiative.