Automate Management of Linux on System z
With CA OPS/MVS® Event Management and Automation

At a Glance
Cloud computing, virtualization and server consolidation initiatives are resulting in more and more workloads being deployed to Linux on System z, offering significant efficiency and cost saving opportunities. To achieve these benefits, enterprise-scale deployments need to optimize CPU utilization and often require not only just internal Linux on System z monitoring of operations, but also a big picture view of where each Linux guest fits in with the overall System z architecture.

CA Mainframe Connector for Linux on System z enables organizations to manage Linux on System z operations from z/OS using either CA OPS/MVS® Event Management and Automation or CA SOLVE: Operations Automation.

Key benefits
- **Simplify operations management.** Monitor and automate z/VM, Linux on System z and z/OS operations from a central all-in-one console.
- **Increase efficiency.** Manage new Linux on System z workloads using existing z/OS staff and tools.
- **Reduce costs.** Extend investment in existing z/OS operation management software and reduce training and licensing costs.

Key features
- **CA Mainframe Connector.** Enhance visibility and control of Linux on System z environment by integrating command and event flows with z/OS operations console.
- **Cross-platform operations management.** Unifies operations across z/OS, z/VM and Linux on System z with a single user interface.
- **Synchronous automation.** Improve service levels by automating action when a Linux on System z, z/VM or z/OS event occurs, not after the fact.
- **Automated business recovery.** Quickly and easily identify critical Linux on System z operation issues by automating routine and complex task messages, commands, policies and procedures.

Business challenges
Many enterprises are adding Linux on System z to their IT infrastructure to reduce costs and simplify their environment, but some organizations do not currently have the skills or tools needed to effectively manage operations for z/VM and Linux on System z. Organizations can train z/OS operations staff to use z/VM tools to manage Linux on System z. Alternatively, staff familiar with Linux can undertake the tasks of Linux on System z management; but they may not understand the System z and z/VM environment, so would also require training. Either approach can result in separate z/OS and Linux on System z operations groups, divided by platform.

To reduce training and software costs, accelerate consolidation projects and streamline management across platforms, CA Technologies enables organizations to leverage existing z/OS skills and tools to manage operations of Linux on System z and z/VM.

Solution overview
CA Technologies offers several flexible solutions to manage and automate Linux on system z operations.

**CA Mainframe Connector for Linux on System z** is an add-on option that enables organizations to manage Linux on System z operations from z/OS using **CA OPS/MVS® Event Management and Automation** or CA SOLVE:Operations Automation.

CA Mainframe Connector enables CA OPS/MVS EMA to receive event traffic from z/VM and Linux on System z and in response, issue commands to these environments. This enables staff familiar with z/OS to undertake operations tasks and manage z/VM and Linux on System z resources from existing monitors, just as if they were standard z/OS resources.

- Unsolicited event traffic from Linux on System z and z/VM is normalized and merged with the z/OS console message traffic already received by CA OPS/MVS EMA.
- z/VM and Linux on System z command-and-response functions are available and behave like specialized z/OS system commands.

CA Mainframe Connector is a separately packaged and separately installable product (available as part of maintenance with CA OPS/MVS EMA and CA SOLVE:Operations Automation). It consists of a z/OS started task, and lightweight agents resident on z/VM and Linux on System z.
Critical differentiators
CA Technologies simplifies Linux on System z and z/VM with a holistic management approach that integrates across platforms—including z/OS, z/VM, Linux on System z and distributed environments. This approach also supports multiple management disciplines—ranging from operations and performance to security and disaster recovery. The breadth, depth and integration of CA Technologies software enables organizations to:

- Simplify management of hybrid computing environments (including Linux on System z and z/VM) at reduced costs.
- Extend ROI of existing software investments when setting up a Linux on System z infrastructure.
- Flexibly manage Linux on System z environment from a mainframe or distributed perspective.

Related products/solutions
CA OPS/MVS EMA integrates with **UPSTREAM for Linux on System z** to automate backup and recovery of Linux on System z application and system data to provide a comprehensive disaster recovery solution.

CA OPS/MVS EMA can also receive alerts from **Velocity zVPS™ Performance Suite** to help optimize performance management of Linux on System z.

For organizations who would like to manage Linux on System z operations from the z/VM console, CA Technologies also offers **CA VM: Operator**, which is part of the **CA VM: Manager Suite** that automates management and security of the z/VM virtual environment.

CA Technologies offers a wide range of cross-platform solutions to optimize Linux on System z:

**CA VM: Manager Suite.** Automate management and security of z/VM virtual environment

**UPSTREAM for Linux on System z.** Backup and restore Linux on System z application and system data

**Velocity zVPS Performance Suite.** Manage performance and capacity planning for Linux on System z

**CA Workload Automation.** Automate scheduling, execution and tracking of Linux on System z workloads

**CA Easytrieve.** Retrieve information and write reports for Linux on System z

**CA Output Management Web Viewer.** Access report information from secured web-based GUI interface

**CA MIM™ Resource Sharing.** Automate resource sharing of storage and tape devices

**CA Gen.** Modernize applications to Linux on System z without rewriting code

**CA XCOM™ Data Transport.** Securely transfer mission critical data across multiple platforms including Linux on System z

**CA Storage Resource Manager.** View storage resources across multiple platforms, including Linux on System z

**CA APM.** View web enabled Java applications running on Linux on System z from end-to-end

**CA SiteMinder® Agent.** Secure web applications running under Linux on System z

**CA ControlMinder.** Control access to Linux on System z servers, applications, and devices through host access control

For more information, please visit [ca.com/mainframe/linux](ca.com/mainframe/linux)