

# CA VM:Manager™ Management Suite for Mainframe Linux

CA VM:MANAGER™ MANAGEMENT SUITE FOR MAINFRAME LINUX (CA VM:MANAGER MS FOR MAINFRAME LINUX) IS AN INTEGRATED SOLUTION THAT HELPS YOU CONTROL COSTS, IMPROVE PERFORMANCE, INCREASE USER PRODUCTIVITY AND SUCCESSFULLY MANAGE YOUR z/VM SYSTEMS THAT SUPPORT LINUX. THIS COMPREHENSIVE SUITE OF PRODUCTS PROVIDES SOLUTIONS FOR AUTOMATED OPERATIONS, SECURITY, SERVICE LEVEL MANAGEMENT, BACKUP AND RECOVERY, AND STORAGE MANAGEMENT.

## Overview

CA VM:Manager MS for Mainframe Linux is a comprehensive solution for managing and securing z/VM systems that support Linux. This integrated suite of products includes solutions for automated operations, security, service level management, backup and recovery, and storage management.

## Benefits

CA VM:Manager MS for Mainframe Linux automates z/VM systems management tasks such as operations and tape management, performance management and recovery management to increase productivity and limit errors. By enabling you to maximize machine, staff, tape and DASD resources, CA VM:Manager MS for Mainframe Linux helps you control costs, maintain high service levels and provide efficient system performance.

## CA Advantage

CA VM:Manager MS for Mainframe Linux enables you to control costs, improve performance, increase user productivity and get the most from your z/VM systems that support Linux. By providing key aspects of z/VM systems management and security in a single, integrated solution, CA VM:Manager MS for Mainframe Linux simplifies the task of managing your z/VM systems, and supports CA's Enterprise IT Management (EITM) vision to unify and simplify IT.

---

## CA VM:Manager MS for Mainframe Linux Simplifies z/VM Management

Many organizations are running hundreds or thousands of Linux images on their mainframes to benefit from the reliability, scalability and performance that the mainframe provides. Moreover, running Linux under z/VM on the mainframe makes it much easier and faster to create multiple Linux images and manage them effectively.

To meet these needs, CA VM:Manager MS for Mainframe Linux provides a complete, integrated solution for managing and securing z/VM systems that support Linux. With CA VM:Manager MS for Mainframe Linux, you have everything you need to create a stable, cost-effective infrastructure to support your Linux mainframe environment.

---

### Key Capabilities

CA VM:Manager MS for Mainframe Linux includes a proven group of integrated products that provide all the capabilities necessary to manage z/VM systems that support Linux. Each of the products in the suite is described below.

**CA VM:ACCOUNT™** CA VM:Account is a resource accounting, reporting and capacity management system that provides a complete picture of z/VM resource utilization. It can be used for resource tracking, costing, capacity planning and workload balancing.

**CA VM:BACKUP FOR z/VM** CA VM:Backup for z/VM provides the features needed to effectively backup and restore CMS and non-CMS data in a z/VM environment. It also includes a High Speed Disaster Recovery Option (HiDRO) that can copy entire volumes quickly and efficiently.

**CA VM:DIRECTOR FOR z/VM** CA VM:Director for z/VM is an efficient and comprehensive directory and DASD management system for z/VM. It significantly reduces the time required to manage the resources defined in the z/VM directory and prevents costly errors.

**CA VM:OPERATOR™** CA VM:Operator is an automated console message management system for z/VM. It enables organizations to reduce human intervention by automatically recognizing and responding to messages. Critical messages can be trapped until an operator specifically removes them or until CA VM:Operator determines that the problem has been corrected.

**CA VM:SCHEDULE™** CA VM:Schedule optimizes personnel and computer resources by enabling end users and data center personnel to schedule jobs and tasks to execute automatically. CA VM:Schedule improves machine utilization through its off-peak scheduling capability, balancing the workload across shifts.

**CA VM:SORT™** CA VM:Sort is an efficient and easy-to-use sort utility that provides the ability to convert, select, sort and merge data from multiple files in a single operation. CA VM:Sort control statements can improve sort performance by allowing the modification, inclusion or exclusion of data.

**CA VM:SPOOL™** CA VM:Spool enables authorized users to receive information within a single display on:

- current percent full
- number of reader, print and punch files
- number of open spool files
- largest spool files
- heaviest spool users

By warning operators and other designated individuals, CA VM:Spool ensures that the system will not come to a screeching halt because of a full spool system.

**CA VM:TAPE FOR z/VM** CA VM:Tape for z/VM is a tape drive and tape volume manager. Allowing CA VM:Tape to control the allocation of tape devices helps maximize hardware investments. CA VM:Tape supports Automated Cartridge Systems (ACS) and Automated Tape Libraries (ATL).

**CA EXPLORE® PERFORMANCE MANAGEMENT FOR z/VM** CA Explore Performance Management for z/VM provides real-time and batch reporting facilities to enable data centers to track vital aspects of system activity. Colorful plots, graphs and charts allow users to perform at-a-glance monitoring.

**CHOICE OF SECURITY PRODUCT** CA VM:Manager MS for Mainframe Linux sites can select one of the following security products:

- **CA VM:Secure for z/VM** provides a comprehensive solution to secure user, resource, data and system audit assets while providing SFS (Shared File System) management and support for the IBM Systems Management Application Programming Interface (SMAPI).
- **CA ACF2™ for z/VM** provides innovative, comprehensive security for business transaction environments, including the z/VM system, z/VM minidisks, OpenExtensions for z/VM, CMS and SFS files and mainframe Linux.
- **CA Top Security® for z/VM** provides innovative, comprehensive security for business transaction environments, including the z/VM system, z/VM minidisks, Unix System Services (USS) for z/VM, CMS and SFS files and mainframe Linux.

---

## CA VM:Manager MS for Mainframe Linux Provides Key Benefits

CA VM:Manager MS for Mainframe Linux provides important benefits to organizations that rely on z/VM to support Linux images on their mainframes.

**COMPLETE z/VM SYSTEMS MANAGEMENT** By including all aspects of z/VM systems management in a single, integrated solution, CA VM:Manager MS for Mainframe Linux delivers the required reliability and availability. It helps ensure high levels of service to your users while providing strong security for your information assets.

**INCREASED PRODUCTIVITY** With CA VM:Manager MS for Mainframe Linux, you can automate nearly any operations task and reduce costly errors. For example, you can automate:

- Operations and tape management tasks to reduce staff intervention and eliminate errors
- Performance management to improve system performance and ensure resource availability
- Recovery management to ensure data recovery and simplify restores

**CONTROL COSTS** The purpose of an information system is to increase an organization's efficiency. At the same time, it's critical for you to keep up with user demands while controlling costs. With CA VM:Manager MS for Mainframe Linux, you can control costs by maximizing:

- machine resources
- application usage
- staff resources
- tape and DASD resources

**MAXIMIZE RESOURCES** No matter how many users or applications you have, you must maintain high service levels and efficient system performance. The way to improve service, satisfy user demands, and efficiently manage system performance is to maximize your resources — both systems and personnel. CA VM:Manager MS for Mainframe Linux meets this challenge by allowing you to:

- allocate DASD when it's needed with distribution of disk space management responsibilities
- balance workloads across shifts, adjust the system to maximize resources and ensure resource availability
- minimize systems staff intervention with decentralized directory management
- tune the system and control resource consumption by allocating resources when and where they are needed
- effectively manage SFS

**PROTECT ASSETS** The information that resides on your z/VM system is vital to your organization and the loss of even some of this information could prove costly. To protect your data, you must secure it against unauthorized access. You must also be able to recover information that is lost as a result of a disaster, even a small one. CA VM:Manager MS for Mainframe Linux offers a comprehensive backup and restore facility that helps you ensure data availability and a security system that protects all of your system resources.

---

## CA Advantage

By providing key aspects of z/VM systems management and security in a single, integrated solution, CA VM:Manager MS for Mainframe Linux simplifies the task of managing your z/VM systems that support Linux. In this way it supports the CA Enterprise IT Management vision to unify and simplify IT.

---

## Next Steps

CA VM:Manager MS for Mainframe Linux is comprehensive solution for managing and securing z/VM systems that support Linux. This integrated suite of products includes solutions for automated operations, security, service level management, backup and recovery, and storage management. With CA VM:Manager MS for Mainframe Linux, you benefit from the ability to increase productivity, control costs, maximize resources and protect assets.

---

To learn more, and see how CA software solutions enable organizations to unify and simplify IT management for better business results, visit [ca.com/products](http://ca.com/products).