

## At a Glance

CA VM:Secure™ provides a comprehensive security and directory management system for z/VM. It is designed to help you control access to and manage z/VM system and Linux on System z guest resources, manage disk space and audit system activity. CA VM:Secure also helps prevent inadvertent security exposures by automatically maintaining synchronization between the z/VM user directory and your security rules. CA VM:Secure supports and helps automate z/VM features such as Systems Management Application Programming Interface (SMAPI), Single System Image (SSI), Live Guest Relocation and Upgrade in Place allowing you to more easily take advantage of these features to keep your critical guests and system services available.

### Key Benefits / Results

**Minimize security risk** of z/VM environment by enforcing rigid safeguards.

**Provide flexible access** to z/VM resources and Linux on System z guests.

**Simplify management of z/VM security policy** across disparate IT exposure points ranging from user access to resource, data and system audit assets.

### Key Features

**Access control and auditing** – easily protect and audit access to hypervisor resources and Linux guests.

**Password encryption** – helps ensure security.

**Single system image support** – helps enable 24/7 availability.

**Upgrade in place support** – interfaces with IBM logic to automate resource creation during upgrade.

**Flexible interface points for automation** – line mode commands, full screen menus, support for IBM SMAPI and product supplied programming interfaces.

## Business Challenges

Consolidating data centers, increasing storage, installing connections to other systems, adding new users and upgrading to more powerful hardware all impact the environment that controls access to important information on your network. As data centers experience these changes, the potential for system security problems increases. Without a reliable and flexible security foundation, even routine data center changes can create unacceptable exposures. Your z/VM security strategy must meet the needs of everyone in your organization:

- Users need simple system access to get their jobs done without unreasonable restrictions.
- Security auditors need up-to-date information that identifies who owns which resources and who can gain access to them.
- Management must be assured that sensitive data is protected from intentional and accidental destruction.
- System changes must be managed quickly without putting extra burden on your support staff.

## Solution Overview

CA VM:Secure enables you to address these challenges by controlling access to system resources, managing disk space and auditing system activity. It automatically maintains synchronization between the z/VM system directory and your security rules, helping to prevent security exposures.

With CA VM:Secure, enterprises can:

- Control access to all system resources and customize security to meet your company, department and user needs through rules.
- Delegate disk space management and automate DASD relocation.
- Maximize value through integration – CA VM:Secure interacts with other z/VM products from CA Technologies to enhance their functionality.
- Create EXECs or other programs to automate repetitive or complex directory management tasks with Application Programming Interface (API) commands.
- Review computer security, space management and directory management with audit information.
- Streamline directory management with full screen menus and automation of complex procedures.
- Monitor and record invalid logon attempts, enforce password standards for your entire user base and delegate minidisk access control.
- Manage and administer Shared File System (SFS) pools.
- Decentralize user administration.

## Critical Differentiators

CA VM:Secure rises above the competition by providing flexible access, while at the same time enforcing rigid safeguards to help protect your z/VM environment and facilitates:

- Better control access to system resources, manage disk space and audit your z/VM system activity.
- Directory managers can be given access to designated subpools of disk space, reducing demands on system support staff.
- Supports IBM facilities SMAPI, z/VM 6.2.0 Single System Image (SSI) architecture and Live Guest Relocation and z/VM 6.3.0 Upgrade in Place allowing you to take full advantage of these facilities.
- Online directory always reflects the current user base since source updates are immediately compiled into the online (object) directory.
- Security rules always reflect the current user base and obsolete user ID rules are automatically deleted.
- Enforce IT-wide security practices automatically, identify security offenders and produce complete security reports and audit listings.
- Eliminates tedious disk space relocation tasks.
- API commands enable you to create EXECs to automate some of your more tedious or complex directory management tasks.

## Related Products/Solutions

CA VM:Secure is part of the **CA VM:Manager Suite for Linux on System z**—a comprehensive portfolio of products that provide automated operations, service level management, security, backup and recovery, performance management and storage management for z/VM and Linux on System z environments.

- CA VM:Secure interfaces with CA VM:Account to validate new account numbers. This prevents system charges to account numbers in the directory that are not associated with a project or account.
- CA VM:Batch. CA VM:Secure's support of the IBM surrogate facility allows CA VM:Batch to allow batch worker machines assume the privileges and resource access of the submitting user ID.
- CA VM:Schedule Rules Facility provides additional security for the SCHEDULE, QUERY, and CANCEL commands in CA VM:Schedule.
- CA VM:Tape. You can define CA VM:Secure rules to protect the CA VM:Tape MOUNT, LIST and CATALOG commands.

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

### Agility Made Possible: The CA Technologies Advantage

CA Technologies (NASDAQ: CA) provides IT management solutions that help customers manage and secure complex IT environments to support agile business services. Organizations leverage CA Technologies software and SaaS solutions to accelerate innovation, transform infrastructure and secure data and identities, from the data center to the cloud. CA Technologies is committed to ensuring our customers achieve their desired outcomes and expected business value through the use of our technology. To learn more about our customer success programs, visit [ca.com/customer-success](http://ca.com/customer-success). For more information about CA Technologies go to [ca.com](http://ca.com).