

# Reduce Risk Associated with Mainframe Access Control and Integrity Compliance with Out-Tasking

## CA Compliance Out-Tasking for Mainframe Security

CA Auditor for z/OS

CA Cleanup for ACF2™

CA Cleanup for RACF

CA Cleanup for Top Secret®

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## Reduce Risk Associated with Mainframe Access Control and Integrity Compliance with CA's Compliance Out-Tasking for Mainframe Security

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### Overview

Information or Data Security is defined as the protection of data against unauthorized disclosure, modification, or destruction. An important managerial responsibility is the review and evaluation of an organization's automated systems. Because sensitive organizational information is frequently stored on these systems, sound-auditing practices must be implemented to maximize security. Your organization needs mainframe compliance but you do not have the resources and/or skills available and you do not have the right tools and/or budget.

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### Benefits

CA combines our industry leading technologies with subject matter expert consulting to create a service-based mainframe compliance readiness program that will help you rapidly prepare for IT audits and ensure compliance without the need to invest in additional software licenses and on-going staffing requirements to maintain it.

Procurement procedures for serviced-based solutions typically do not require capital expenditure appropriation and approval thus expediting delivery of the solution you need today.

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### The CA Advantage

Reduce risk associated with mainframe access control and integrity compliance with CA's Compliance Out-Tasking for Mainframe Security. This is just one of many products and solutions that are part of CA's Enterprise IT Management (EITM) initiative, which can help you unify and simplify IT management across the entire enterprise.

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## Mainframe Compliance Readiness

Strong and effective IT security controls are essential for today's information-active enterprise. Such controls are indispensable for protecting high-value corporate information assets. They are also a requirement for compliance. Unfortunately, many companies don't have the controls in place that they need to keep their computing environment secure. In fact, the fifth annual Global State of Information Security Survey 2007 by CIO magazine, CSO magazine, and PricewaterhouseCoopers shows that although the overwhelming majority of companies have invested in security infrastructure, most don't adequately audit or monitor user compliance with security policies — and fewer than half have measured and reviewed the effectiveness of security policies and procedures in the last year.

This is clearly a problem. IT security is as much about ensuring that people comply with prescribed policies and procedures as it is about implementing the latest intrusion detection system. To fulfill compliance requirements, companies must be able to ensure and attest that internal controls are effective enough to meet regulatory requirements. In other words, it's not enough to simply protect the network. You have to be able to prove to an auditor that what you're doing is sufficient to protect the network, too.

Compliance with regulatory requirements is a major concern for organizations and senior management today, especially now that they are held accountable and personally liable for violations of Sarbanes-Oxley, GLBA and SAS70, Basel II and audits. In a complex and often decentralized security environment, organizations must institute consistent, enterprise-wide compliance policies and procedures to reduce the risk of exposure and minimize the possibility of audit issues due to non-compliance. With the array of regulations and standards that exist today, the key is to establish the right policies and procedures, and to continually update them to reflect changing circumstances. However, one area that often does not get adequate attention in enterprise environments is the mainframe. The mainframe remains, and will continue to be, a critical computing platform for many enterprises. Therefore it is a requirement to include mainframes when planning a broad IT compliance strategy.

One set of controls that is especially important for mature security environments — and required by almost all security-related regulations — is the set associated with the administration of user accounts and access rights. In particular, companies need controls that ensure that users and privileges are deleted in a timely manner when they are no longer needed. Failure to do so creates “account clutter” that can expose a company to serious security vulnerabilities and amount to a material compliance failure for SOX and other regulations. These problems pose an increasingly important issue for mature security environments and can hamper both security administration and the performance of the systems security product.

In addition to compliance controls, internal audit is a key component of an effective, enterprise-wide risk management structure and information security self-checking. Few functions within an organization have the broad viewpoint of internal audit, along with the understanding of core business objectives and processes. When effectively aligned with the needs of its various stakeholders, internal audit is a key driver of effective management control, proactive risk management, and ongoing business process improvement. Audits of the security sub-system should be conducted bi-annually to ensure that the security department maintains compliance with internal policies/procedures and industry regulations.

Many compliancy-related reviews focus solely on the applications and security of said applications. This isn't enough. Strictly speaking, z/OS and its subsystems should be considered as "control structures" within the realm of any compliance audit/certification process because any weakness in the operating system itself and in any of the subsystems running under it can impact the operation and integrity of the applications that run under it.

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## Out-Tasking That Supports Your Business

Out-Tasking is not to be confused with out-sourcing where all management, access and control of your environment are handed over to a third-party. Rather, CA's Compliance Out-Tasking program takes the best elements of Software as a Service (SaaS) and Managed Services and synthesizes them into a unique offering that can provide significant benefit and control for an organization. For example, when that internal IT audit and attestation is looming, valuable qualified resources may be hard to find and you often require already overburdened staff to stop their day-to-day activities to prepare and execute a comprehensive audit. CA's Compliance Out-Tasking for Mainframe Security offering is a program that can help you extend your capabilities. Our experts provide the security expertise and systems programming services you require to properly prepare for an audit and assist in identifying risks and exposures of your mainframe system.

As an industry leading provider of software to manage security and audit efforts, we utilize these technologies to deliver service-based offerings in two critical areas:

**MAINFRAME ACCESS CONTROL COMPLIANCE** We provide expert consulting with proven best practices to assist a customer/partner with the basic implementation, configuration and execution of client approved removal of obsolete mainframe security definitions. This support is based upon using the CA Cleanup product.

**MAINFRAME SYSTEM INTEGRITY COMPLIANCE** We provide subject matter expertise and security/integrity best practices to the business by utilizing uniquely qualified experts in analysis, and interpretation to identify areas of vulnerability and improvement of the z/OS and enterprise security manager implementations. This support is based upon using the proven and reliable CA Auditor for z/OS product.

Our proven reliable partners will meet with your IT management and staff to understand your environment, security practices and audit requirements. During these meetings, our partner will also share their expertise with your staff to ensure they understand the key capabilities and benefits of the offering as it relates to your customized implementation and audit/compliance requirements. This offering allows you to understand your mainframe vulnerabilities with a multi-point inspection, rapidly prepare for IT audits and aid you with compliance without the need to invest in additional software licenses or on-going staffing requirements to maintain it. You will realize significant savings in operational efficiencies of on-going administrative tasks to better manage your vulnerabilities and in software capital investments and man-hours spent on audit preparation and execution to achieve unparalleled accuracy by out-tasking this effort to proven CA technology and CA certified experts.

CA Compliance Out-Tasking for Mainframe Security will help your organization achieve much faster than traditional approaches through a proven best practice time to value approach. According to a recent study by Triple Tree and the Software and Information Industry Association (SIIA), *out-tasking type deployments are 50 to 90 percent faster, with a total cost of ownership five to ten times less than for installed software.*

The program is delivered remotely and includes:

- Customized implementation and configuration based on client environment; including an audit review to address critical installation-specific application needs.
- A security healthcheck to create an initial baseline of the overall wellness of the your security landscape.
- Tips on how to improve security control, risk compliance, ease-of-audit and enhanced performance. Including identification of weaknesses, recommendations for review and recommendations for redress.
- Recurring Check-up engagements designed to validate the products availability and performance according to the customers' SLA.
- Alignment of the new security environment with security policy and best practices.
- Comprehensive review session, once the majority of the cleanup and reporting has occurred, to determine if there are additional areas for improvement based on industry standards and best practices.
- 24x7 Monitoring and Recording of Access Activity, tracking at levels not easily or inexpensively duplicated.
- Automated removal and restore command functions.
- Preliminary review of operating system implementation, configuration.
- Customization of CA Auditor continuous auditing feature to maintain constant auditing vigil on desired operating system, application, installation-specific resources.
- Customize and implement continuous auditing of selected system, application features using CA Auditor.
- Periodic reports, both summary and detailed, including diagnostic scorecards.
- Valuable interpretation of environmental results.

CA's Compliance Out-Tasking for Mainframe Security can help you comply with the need for an ongoing process as defined in the ITIL® framework. By following the ITIL steps of Implement, Evaluate, Report and Analyze, an organization can be constantly proactive in the review and update to their Security policy.

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## Benefits That Deliver Value

CA's certified partners specialize in designing, implementing and optimizing solutions to help you achieve the efficient IT performance that drives superior business results. With this offering your organization will realize:

- Lower TCO for provision of the tools and processes needed to aid with compliance readiness.
- Implemented solutions for reduced risk associated with obsolete and excessive user/system ID's and access.
- Reduced audit costs for security recertification through implementation of best practices that proactively address issues.
- Increased security administrator productivity with fewer users and access rights to manage, resulting in reduced cost.
- Improved system performance by reducing the demands for storage and data exchanges.
- Alignment with regulations and laws which require due diligence to information security, protection and privacy.
- Reduced risk exposure through proactive identification of weaknesses.
- Subject matter expertise applied to your business including analysis and interpretation of areas of vulnerability and improvement.
- Accelerated time to value, in most cases in less than 30 days, for which your business will see results.

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## CA and Partner Expertise

You can rely on CA to be a trusted partner committed to your success. CA and a CA Certified Partner will work with you to understand the issues and dynamics you face every day. With over 30 years of IT management software experience, our certified professionals deliver best practices and time-tested methodologies. To retain our skills and remain current on leading-edge technology, our certified professionals seek ongoing training and education and pursue industry-recognized certifications.

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## CA Vision

Enterprise IT Management (EITM) is CA's vision to unify and simplify complex IT environments for greater business results. We do this securely through the intelligent integration and dynamic management of people, processes and technology across the enterprise, including storage, systems, networks, applications, databases and security. Customers can better manage risk, manage costs, improve service and ensure IT resources are consistently used to drive the business.

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## Ready to Reduce your Risks and Vulnerabilities While Improving Mainframe Security Compliance?

To find out how you can make CA Out-Tasking programs work in your business environment, please contact your local CA Sales Representative.

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To learn more about how CA's Mainframe Security solutions can enable your organization to unify and simplify IT management for better business results, visit [ca.com/mainframe/security](https://ca.com/mainframe/security).

CA (NSD: CA), one of the world's leading independent, enterprise management software companies, unifies and simplifies complex information technology (IT) management across the enterprise for greater business results. With our Enterprise IT Management vision, solutions and expertise, we help customers effectively govern, manage and secure IT.

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Learn more about how CA can help you transform your business at [ca.com](https://www.ca.com)

