



I.C.U... MVS

Automated Mainframe
Security Audit Tools



**When You Need To Know That Your
OS/390 and z/OS Mainframes Are Secure**

I.C.U...MVS Automates Your Mainframe Security Testing

Is Your Mainframe Really Secure?

Many organizations believe their mainframes are secure when in fact they are not.

Mainframes have been in existence long before connecting to the outside world was a necessity. The drive towards multi-site connectivity, Electronic Data Interchange, Just-In-Time inventory solutions, and e-commerce means that mainframes which once stood alone are now connected to internal and external networks including the Internet. These interconnects in many cases create a direct pipeline to an organization's most critical data.

The questions that needs to be answered is how best to test and assess the level of security on your mainframes without expending massive amounts of human resources. The answer is I.C.U...MVS from JANUS Associates.



"They told me the mainframe was secure.
How do I explain this to the board?"

Why You Need I.C.U...MVS

The potential for gaps in your OS/390 and z/OS mainframe security controls are very real. Any time an application is installed or modified serious holes can develop. These problems aren't only limited to software. Each time you add or modify hardware you are also adding software and drivers thus opening a potential breach path.

I.C.U...MVS can help you determine where the weaknesses are in your existing mainframe security controls. It will show you vulnerabilities in existing security access control settings that might allow someone within your organization or from the outside to bypass your existing data access controls.

I.C.U...MVS is a software tool that extends the capabilities of your access control package. It discovers security vulnerabilities missed or inadvertently left unmanaged by the access control security process and it does this by quickly and automatically by analyzing the:

- Operating system;
- Access control package; and,
- Business data resident on the system.

In specifics I.C.U...MVS searches out potential problems by examining:

- System modifications (APFs, LPAs, Linklists, etc.);
- Executable code modifications (such as Trojan Horses);
- Sensitive system data (passwords, security implementation); and,
- Sensitive business information (payroll, client data, proprietary formulas, etc.).

Not just an administration tool, it is the *only* "pure" mainframe penetration and vulnerability assessment tool available today. In fact, you must already be using RACF, CA-ACF2 or CA-Top Secret in order to use I.C.U...MVS. Even though it is not strictly an audit tool, the Big 4 accounting firms have used I.C.U...MVS as part of their audits.

I.C.U...MVS advanced architecture helps you challenge your own safeguards in much the same way as do hackers, competitors and, disgruntled employees.

What Makes I.C.U...MVS Different

Most mainframe security applications take a compliance-based (*backward-looking*) approach that answers the question, "have transactions conformed to our rules?" I.C.U...MVS, however, takes a predictive forward-looking approach by asking the question, "What else *can* happen if someone circumvents the rules?"

Do I Really Need I.C.U...MVS? I Already Have RACF, CA-ACF2, CA-Top Secret.

Yes, you really do. Access control packages lose their security hold over time because mainframe systems are affected by constantly occurring changes. Several examples of these changes and the resultant questions that require accurate informed answers are:

- New applications added to systems can leave security holes; What is the interaction between the new application and existing applications? Does the interaction leave exposures? *I.C.U...MVS helps you answer these questions.*
- Employee additions and separations are reported and over time additional permissions are granted; How can you be certain that every access permission has been found and removed when the employee leaves a department or the organization regardless of reason? *I.C.U...MVS helps you find them all.*
- Outside vendors are granted wide access to systems and can unknowingly or on purpose create vulnerabilities which are completely unknown and unexpected to you and your team. *I.C.U...MVS helps you monitor and control these vendor-created exposures.*



With senior level security employees in short supply, with systems administrative staff stretched for time, and with changes in business constantly disrupting information security nets, it is almost impossible to maintain an adequate, let alone good security level without some type of regular examinations. *Using I.C.U...MVS' unique methodology, security can be dramatically improved in just fifteen minutes a day.*

Knowledge Transfer



Easy to learn, I.C.U...MVS guides security staff through the penetration and vulnerability process, so they don't waste time chasing down wrong inquiry paths.

The Program actually increases your operators' expertise as they use it, so they become increasingly more skilled at the testing process without having to attend expensive, time-consuming classes. Implementing I.C.U...MVS frees up your personnel to address other important IT responsibilities.

A few minutes of regular use each day will substantially increase your security posture.

Why Wait To Be Audited

Easy to learn, I.C.U...MVS guides security staff through the penetration and vulnerability process, so they don't waste valuable time chasing down wrong inquiry paths.

The program actually increases your operators' expertise as they use it. Every time they use it your operators become increasingly more skilled at the testing process without having to attend expensive, time-consuming classes. Implementing I.C.U...MVS frees up your personnel to address other important IT responsibilities.

A few minutes of regular use each day will substantially increase your security posture.

Develop A Security Quotient and Prove Your Productivity

Gauging the productivity of an organization's security efforts can sometimes be difficult and perplexing yet executive management bases its performance evaluations and funding on just such measurements. How you are able to explain the highly technical aspects of information security in a way that is meaningful to those without your level of technical expertise can in part spell success or failure for you and your IT programs.

Developing a unique "Security Quotient" (SQ) is an additional benefit of using I.C.U...MVS. It gives you a demonstrable way to score your security progress by providing easy-to-understand metrics including percent of system examined and number of vulnerabilities found. I.C.U...MVS' first run creates a baseline Security Quotient (SQ). Then, as you identify and correct weaknesses, your SQ improves. Over time you will be able to show an upward trend that easily conveys the impact of your efforts. You will be able to do this without the formal, often confusing technical language that frustrates nontechnical managers and is of no value to senior management.

Implicit Trust of Our Clients

For 18 years JANUS Associates has served some of the most respected and prestigious organizations in the nation. Our clients trust us implicitly to handle their engagements in a professional and cost-effective manner and our reputation attests to these facts. JANUS clients cover the entire spectrum of Fortune 500 companies, federal, state and municipal entities, and Not-For Profits.

Here is what a few of them had to say.

"Recently and under a very intense deadline JANUS provided expert knowledge and skill in supporting our development of automated risk analysis/assessment tools, corporate level procedures for risk assessment, awareness and training to divisional components... Typically the results are 1) performed at a moment's notice, 2) through long hours of commitment and 3) results deliver exceptional products with professionalism noticed by high level management and making our vision realized. I congratulate JANUS Associates for their leadership, performance and a job well done." *Kahletta Montgomery, Oversight Manager-Information Security Staff, FDIC*

"Based on our experience, I believe you will be fully satisfied with JANUS Associates as your information security consultant." *Ed Zeitler, Sr. V.P. Information Security Services, Charles Schwab*

"As a result of our work with JANUS Associates, I recommend their services to others seeking knowledgeable, innovative professional analysis and high quality results to meet their information security and continuity of operations needs." *Charles W. Lawver, Director of DMAS Internal Audit, Virginia Department of Medical Assistance Services*

A Partial List of Our Clients

Aetna Life & Casualty
Citibank
Exxon Mobil
IBM
OppenheimerFunds
SAIC
Visa International

BlackRock Financial
Coopers & Lybrand
Federal Reserve Board
Merrill Lynch
Pacific Gas & Electric
State of New York
VW Credit Corporation

Charles Schwab
Ctrs. for Medicare/Medicaid
FAA
Microsoft
PricewaterhouseCoopers
U.S. Dept. of Defense
Xerox



A Little About Us

In business since 1988, JANUS has the longest tenure of any independent IT security firm in the nation. JANUS has been in the forefront of providing quality IT centric services long before hacking and the advent of government regulations. Organizations that understand the need to secure their data and protect their business interests rely on the professional team at JANUS.

JANUS is a vendor neutral full service company with strong credentials in the Financial Services and commercial sector. Numerous federal, state and municipal government entities and Not-For-Profits are also satisfied clients.

Our corporate headquarters are in Stamford, CT. The JANUS Federal Systems Group has offices in Silver Spring and Baltimore, MD. Our software Design and Development team is located in Waltham, MA.

JANUS Associates, Inc. is a certified Woman Owned Small Business and an Equal Opportunity Employer. We believe in giving back to our community and many of our employees volunteer their time to not-for-profit organizations.



JANUS can help you fill in the missing pieces

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