



# Key Resources Integrity Assessment Services (IAS)

## Understand and Mitigate Mainframe Threats

### THE BENEFITS

- Protect against hidden threats to mainframe security and integrity
- Limit the risk of damaging data breaches and costly compliance violations
- Rapidly detect and respond to operating system vulnerabilities
- Remove the technical burden of manual vulnerability scans
- Easily integrate mainframe security scanning into your corporate IT risk management program
- Maintain regulatory compliance with comprehensive IT security reporting

### Is Your Mainframe Operating System Protected?

The mainframe is your company's most important corporate IT system, whether you realize it or not. Enterprises all over the world rely on mainframes to run their most critical processes, from financial service firms processing billions of transactions per day to corporations running mission-critical desktop or mobile applications. The question for your IT staff is, is your mainframe operating system protected?

A single zero-day operating system vulnerability could leave the door open to a mainframe exploit, giving attackers full privileges to wreak havoc on your system and hide any trace of their activities. These vulnerabilities are often overlooked by IT security staff and impossible to find with common mainframe application solutions, but their presence leaves your entire enterprise at risk for costly data breaches.

**Key Resources, Inc.** understands these challenges. We developed z/Assure® VAP, the only solution that automatically scans for and identifies vulnerabilities in mainframe operating system (OS) code. Our Integrity Assessment Services (IAS) help enterprises discover their risk exposure and take steps to protect their business from the types of breaches that lead to financial harm or regulatory violations.

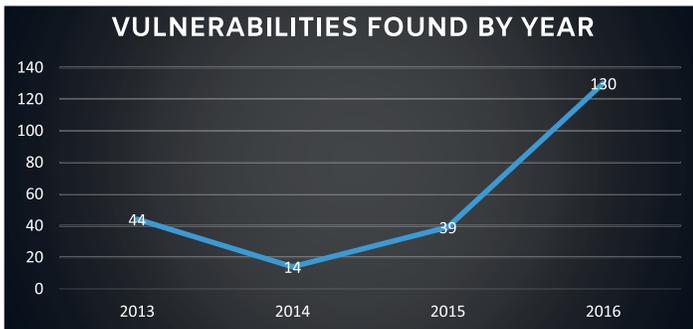
## Stay Ahead of Growing Mainframe Threats

When software developers design or code improperly, they can bypass certain z/OS and External Security Managers (ESM) controls (including SVC routines and Program Call routines) outlined by the IBM® z/OS System Integrity Statement.

As a result, bad code can find its way into your operating system, even as part of a standard software update or maintenance cycle. We call these severe security code vulnerabilities, and they're increasing in frequency, growing nearly 200 percent between 2013 and 2016 (see chart below).

Other threats to your mainframe include system security parameter, External Security Managers (ESM) or operating system program misconfigurations.

### Mainframe Risks Are Growing



based on scans performed by Key Resources

Vendors do their best to test for security risks before they release software, but they can't realistically test everything. That's why it's up to you to protect your mainframe environment. We can help you make mainframe security scanning a regular part of your overall corporate IT security program.

## Choose The Service Level That's Right for You

Backed by decades of unmatched expertise in mainframe vulnerability scanning, our Integrity Assessment Services are a key element of any information security program.

We first conduct a scan of your environment using z/Assure® VAP, measuring the severity of each vulnerability using the Common Vulnerability Scoring System (CVSS) methodology. As a trusted industry system for ranking the severity of vulnerabilities, CVSS allows us to report on code gaps that we may find in your system.

Our detailed reporting can help you understand and communicate mainframe risks to your internal development team or software providers for remediation. As a result, you're empowered to proactively protect your business from emerging mainframe threats.

You can choose from three levels of consultation:

- Vulnerability Analysis Light (VAL)
- Vulnerability Analysis & Management (VAM)
- Vulnerability Management – Expert (VAM-Ex).

Contact the Key Resources team to learn more about each program.

Key Resources Inc. has decades of expertise providing software, services and consulting to enterprises running critical apps on IBM® z/OS. We help CIOs, CISOs and programmers take control of mainframe security so they can protect their data, avoid costly breaches and maintain regulatory compliance.

## Contact Key Resources

Call 1-800-574-1339 ext 701

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