Rocket software

z/Assure® Vulnerability Analysis Program

Find Severe Security Code Vulnerabilities on z/OS

Mainframes are the definition of mission critical. Global corporations rely on it as the backbone of their IT estate and the processing workhorse for billions of transactions. So, why do so many IT leaders and programmers still take mainframe security for granted, failing to protect their most important asset? Like any system, the mainframe is not immune to security risk, and it's your job to protect it. Code vulnerabilities caused by poor coding techniques exist in every z/OS system, leaving gaps for hackers to exploit. Just one line of bad code could expose you to millions of dollars in liabilities and losses.

z/Assure VAP from Rocket Software is the only product that automatically scans for and identifies vulnerabilities in mainframe operating system (OS) code. Backed by decades of industry expertise, z/Assure VAP is a crucial component to a complete mainframe security solution.

The Approach

Use z/Assure VAP to **automatically scan** authorized programs on your z/OS system.

Apply the patch from the code owner to fix the code vulnerabilities.

Review the Vulnerability Detail Report (VDR), which identifies and describes each code vulnerability.

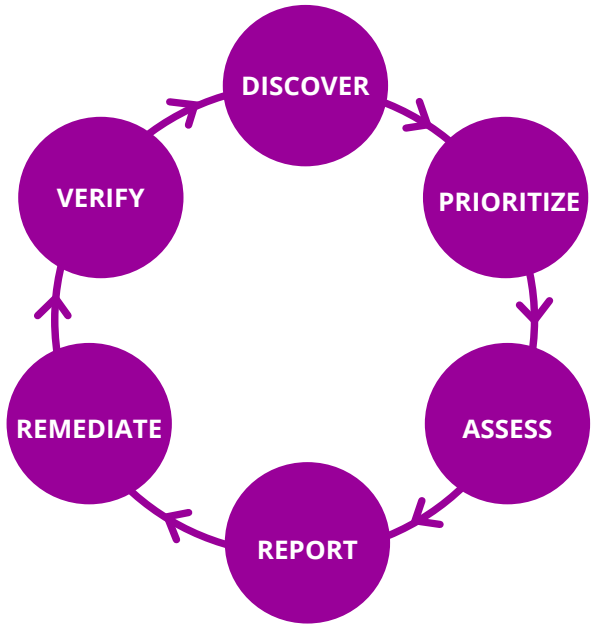
Re-scan with z/Assure VAP to verify the patch was applied correctly.

Share the report with the code owner (IBM, an internal team, or an independent software vendor) and request a fix.

Set automatic scans to run every time a change is made to your z/OS system.

The Vulnerability Lifecycle

There's a reason why IT staff – from top-level leadership to the systems programmers – take mainframe security for granted: It has a reputation for already being the most secure IT system.
The IBM® z/OS System Integrity Statement is an important pillar of that reputation. Most z/OS systems run thousands of programs from internal teams or independent vendors. The integrity statement defines the best practices to prevent those programs from bypassing z/OS security and gaining unauthorized control of the mainframe OS.
But, mistakes happen. Software developers can write code that doesn't follow the System Integrity Statement. Your next OS upgrade or standard maintenance cycle might introduce software with these code-based vulnerabilities. When that happens, it opens a door for hackers to exploit. Once they've pierced the veil of integrity and gain full OS control, hackers can do whatever they want – steal data, change permissions, crash the entire system. And, because they have full OS access, they can cover their tracks, so you'll never know they were there.



How z/Assure VAP Protects Your Business

- **Scanning is the best way to protect against severe security code vulnerabilities**. But, common mainframe scanning products focus only on application code, where vulnerabilities have limited impact because hackers can only access data directly accessible by that application. The System Integrity Statement ensures those breaches are kept isolated from the actual operating system.
- OS-code vulnerabilities are much more damaging, because they open a window to all of the data on the system. Unlike common mainframe scanning products, z/Assure VAP is the only solution on the market that scans the OS level, **ensuring the most in-depth analysis of risks to your mainframe.**
- We've also designed our product to operate on the principles of the Interactive Application Security Testing (IAST) model, **an innovative industry approach to automated security testing designed to meet the needs of today's complex environments.**
- As a result, z/Assure VAP can not only identify code vulnerabilities, but also **help developers verify that those vulnerabilities are real and locate the exact part of the code where they exist.**
- Make mainframe scanning a standard part of your corporate IT security program. Contact Rocket Software to learn how we help the world's top organizations **limit the likelihood of mainframe breaches and protect their most sensitive corporate data.**

The future won't wait—modernize today.

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