



Optimize & Secure Your Cloud

Shrinking Your Attack Surface for Maximum Security
and FedRAMP Compliance

Executive Summary

Modern cloud applications often carry excess baggage – unused software components. These linger due to "what-if" scenarios or a lack of awareness about their actual usage. This is especially true for Open-Source Software (OSS), which makes up a significant portion (70-90%) of modern applications. Attackers exploit these very components to gain access to systems, often flying under the radar.

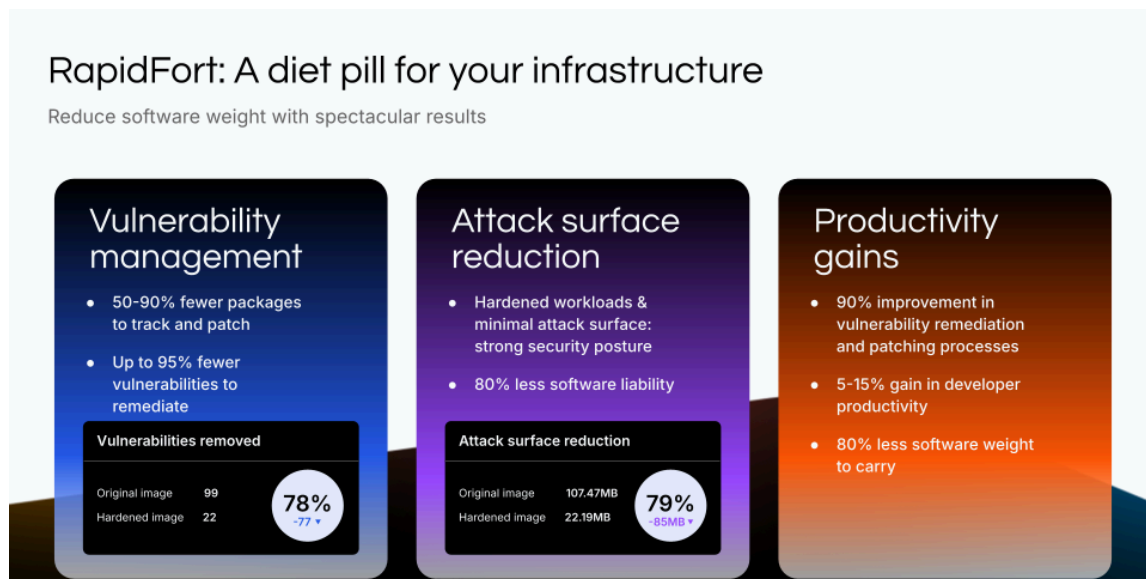
Traditional vulnerability scanning and patching, while crucial, are time-consuming and disruptive. Manually identifying and removing unused components (Software Attack Surface Management or SASM) consumes valuable developer time.

The Software Attack Surface: Your Security Blindspot

Think of your software attack surface as the sum of all potential entry points for unauthorized access within your applications. Unlike the network attack surface (your digital perimeter), the software attack surface resides within your code. Reducing it is critical because more code equates to more potential vulnerabilities, both known and unknown (zero-day attacks). While network security practices are well-established, software attack surface management remains a challenge, especially for organizations seeking FedRAMP compliance. FedRAMP mandates strict security controls; a bloated software attack surface directly contradicts these requirements.

RapidFort: Your Guide to a Secure and Lean Software Landscape with Simplified FedRAMP Compliance

RapidFort, the pioneer in SASM platforms, empowers you to monitor and minimize your software attack surface continuously. This translates to significant operational efficiency gains, enhanced security, and a smoother path to achieving FedRAMP compliance.



How Does RapidFort Work?

RapidFort employs a two-pronged approach to achieve a near zero-vulnerability state and simplify FedRAMP compliance:

- **1. Curated Container Images:**

RapidFort offers a repository of 100s of pre-harden and curated baseline images. These meticulously curated images with near zero-CVEs undergo a rigorous hardening process. This significantly reduces the attack surface of your containerized applications from the very start. These pre-hardened containers align perfectly with FedRAMP's vulnerability management requirements.

- **2. SASM Platform for Continuous Attack Surface Reduction:**

RapidFort's SASM platform complements the pre-hardened containers by continuously monitoring and optimizing your software infrastructure. It analyzes application behavior across the Software Development Lifecycle (SDLC) to identify and remove any remaining unused components that might harbor vulnerabilities. This combined approach can achieve a staggering reduction of up to 95% of software vulnerabilities, significantly reducing your FedRAMP compliance burden.

Key Benefits for FedRAMP Compliance and Beyond:

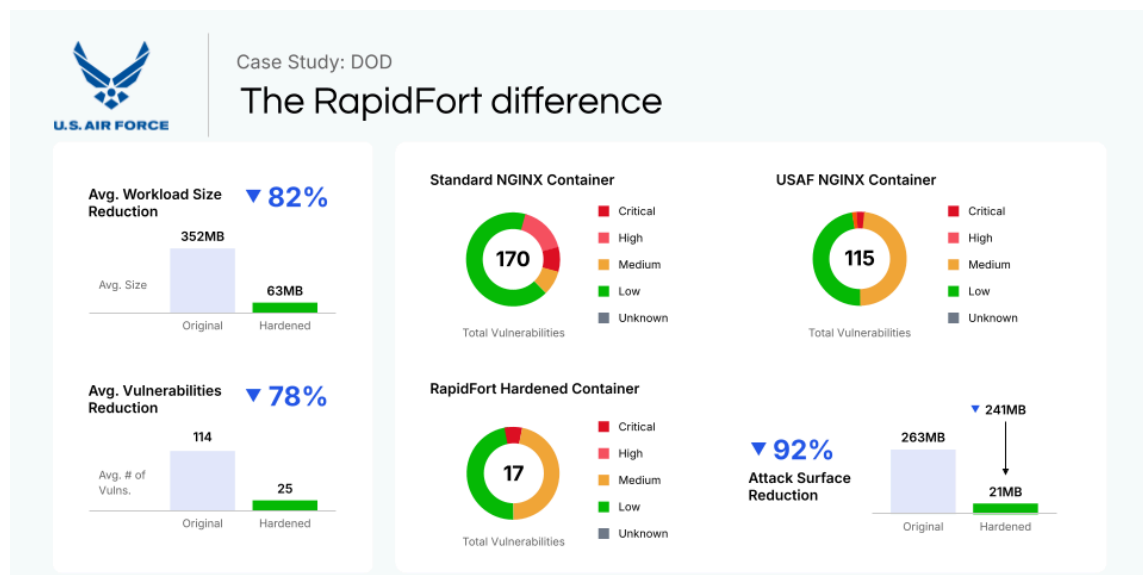
- **Reduced Vulnerability Risk:** Pre-hardened containers and ongoing surface reduction minimize your attack surface, directly addressing FedRAMP's vulnerability management requirements.
- **Improved Developer Productivity:** Developers can leverage pre-hardened images, freeing them to focus on core application logic and security best practices. This accelerates development cycles and simplifies FedRAMP compliance efforts.
- **Smaller, Faster Deployments:** Reduce workload size for faster deployments and lower infrastructure costs, streamlining FedRAMP compliance package updates.
- **Continuous Security:** Automate workload optimization for ongoing security posture improvement, a critical aspect of maintaining FedRAMP compliance.
- **Simplified FedRAMP Compliance:** RapidFort facilitates FedRAMP compliance by reducing the attack surface, providing context-aware vulnerability management, streamlining patch management processes, and offering pre-hardened containers with minimal vulnerabilities.

RapidFort: Your Path to a Leaner, More Secure, and FedRAMP-Compliant Cloud

RapidFort empowers organizations to automate workload optimization, streamline vulnerability remediation, significantly reduce patch management overhead, and continuously minimize their attack surface. It's like a "diet pill" for your infrastructure—it delivers smaller, safer, faster, and cheaper workloads automatically while simplifying your path to FedRAMP compliance.

Getting Started with RapidFort: Easy and Collaborative

RapidFort provides immediate value by scanning your infrastructure and delivering Software Bills of Materials (SBOMs), vulnerability reports, and optimization opportunities. You'll then receive the tools and guidance to achieve fully automated workload optimization on every deployment, accelerating your FedRAMP compliance journey.



Optimizing & Securing Your Cloud with RapidFort

Beyond the core functionalities, RapidFort offers several additional benefits that streamline FedRAMP compliance and enhance overall cloud security:

- **SBOM Management:** RapidFort automatically generates Software Bills of Materials (SBOMs) for your deployments. SBOMs are a critical FedRAMP requirement, providing a detailed list of all software components used within your applications.
- **Context-Aware Vulnerability Management:** RapidFort prioritizes vulnerabilities based on their importance and usage within your application context. This focus on in-use components directly addresses FedRAMP requirements and avoids wasting time on patching unused vulnerabilities.
- **Automated Workload Optimization:** RapidFort automates the entire process of identifying, removing, and hardening unused components. This frees up valuable developer resources and ensures consistent security across all deployments.
- **DevOps Integration:** RapidFort integrates seamlessly with existing DevOps tools and workflows. This minimizes disruption and allows developers to adopt secure coding practices within their existing environment easily.
- **Detailed Reporting and Audit Trails:** RapidFort provides comprehensive reports and audit trails documenting your organization's security posture. This detailed data is invaluable compliance audits and demonstrates your commitment to ongoing security best practices.

Impact study on a larger set of images

In a study of 1,578 unique images, RapidFort automatically removed 73% of total vulnerabilities, 73% of criticals and highs, and reduced the overall software attack surface by 64%, resulting in automatic hardening of 155,400 vulnerabilities and 425GB of software!

All Vulnerabilities

Original: 211699
Hardened: 56274

73%

Critical & High Vulnerabilities

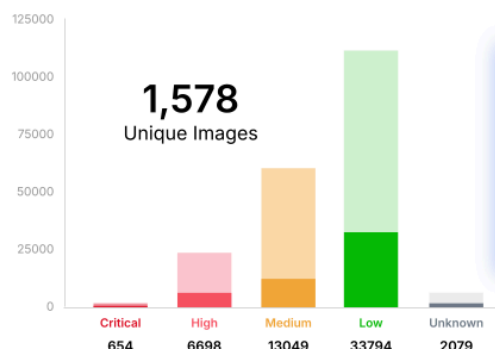
Original: 27439
Hardened: 7352

73%

Attack Surface

Original: 660.66 GB
Hardened: 235.7 GB

64%



Original Vulnerabilities
211699

Critical: 2430
High: 25009
Medium: 62294
Low: 115425
Unknown: 6541

The RapidFort Advantage: Security and Compliance Made Simple

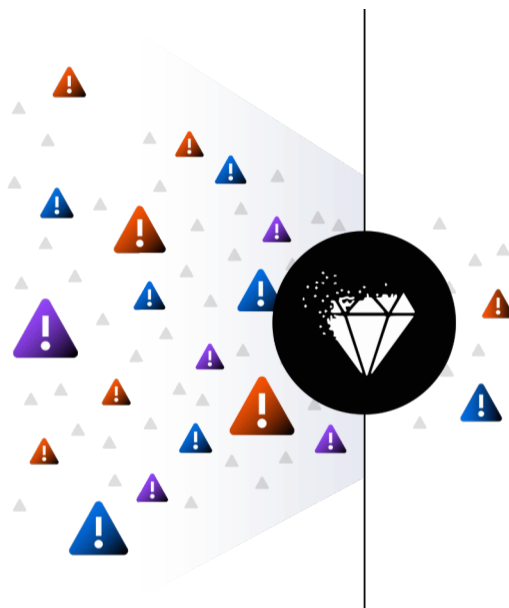
In today's increasingly complex cloud environment, achieving FedRAMP compliance can be a daunting task. Traditional vulnerability management and manual attack surface reduction are time-consuming and resource-intensive. RapidFort offers a powerful solution that streamlines the process and delivers significant benefits:

- **Reduced Time to FedRAMP Compliance:** RapidFort accelerates your FedRAMP compliance journey by automating critical tasks and reducing the attack surface from the outset.
- **Improved Security Posture:** RapidForts' curated, pre-hardened containers and ongoing attack surface reduction significantly reduce vulnerability risk without the need to change any code.
- **Enhanced Developer Productivity:** RapidFort frees developers from tedious vulnerability management tasks, allowing them to focus on core application development.
- **Lower Infrastructure Costs:** Smaller, leaner deployments lead to reduced infrastructure costs and improved operational efficiency.

RapidFort: Your Trusted Partner for a Secure and FedRAMP-Compliant Cloud

RapidFort is your one-stop shop for achieving a secure and FedRAMP-compliant cloud environment. Our comprehensive platform and proven methodology empower organizations to streamline compliance efforts, enhance security posture, and optimize their cloud deployments.

Visit us at www.rapidfort.com and let us help you achieve your cloud security and FedRAMP compliance goals!



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