



NUCLEUS CASE STUDY

Scaling Risk-Based Vulnerability Management Across a Fortune 1000 Workforce Management Enterprise

Customer Overview

Overview

Customer: Fortune 1000 company in Workforce Management

Location: United States

Solution

The Nucleus Security Platform

Business Impact

- Standardized and transparent vulnerability prioritization for remediation teams
- Centralized visibility across all tools with risk roll-ups by team, product line, and business unit
- Streamlined remediation workflows with reliable ownership automation

In Their Words

“Before Nucleus, we were spending more time aligning on what to fix than actually fixing it. Now, everyone—from AppSec to infrastructure—has a shared understanding of what matters most, backed by data. It’s completely changed how we manage risk.”

- Vulnerability Management Lead

About the Customer

This Fortune 1000 organization is a global leader in workforce management, providing payroll, benefits, HR, and insurance solutions to hundreds of thousands of businesses. With a customer base spanning industries and geographies, the company’s services underpin the workforce operations of a large portion of the private sector.

As the company’s digital ecosystem grew in size and complexity, the security team needed to modernize their approach to vulnerability and exposure management. They required a scalable platform that could unify data across fragmented tools, integrate threat intelligence, and prioritize vulnerabilities based on the actual risk to the business. The goal was to streamline and accelerate risk reduction across a highly distributed and regulated environment.

The Challenge: Unifying and Automating Risk-Based Vulnerability Management

The customer faced a complex, fragmented environment with numerous vulnerability scanners and security tools generating siloed findings. These inconsistencies made prioritizing risk a challenge. The company needed a centralized platform capable of normalizing and contextualizing vulnerability data with business-specific attributes and threat intelligence.

“They required a scalable platform that could unify data across fragmented tools, integrate threat intelligence, and prioritize vulnerabilities...”

2 Nucleus Solution

The Solution: Nucleus Security Platform

To meet the demands of a highly regulated, fast-moving enterprise environment, the customer selected Nucleus to serve as the backbone of its vulnerability and exposure management program. Nucleus unified data from over 160 disparate sources—including vulnerability scanners, asset inventories, CI/CD pipelines, and threat intel feeds—into a single operational dataset.

Unified Data Core

Enabled consistent normalization and deduplication of findings across applications, infrastructure, and cloud environments, creating a single source of truth for risk decisions.

Seamless Ticketing Integration

Nucleus integrated directly with existing ITSM and development tools (e.g., ServiceNow, Jira), streamlining communication and enabling automated, policy-based remediation actions within the engineering lifecycle.

Risk-Based Automation

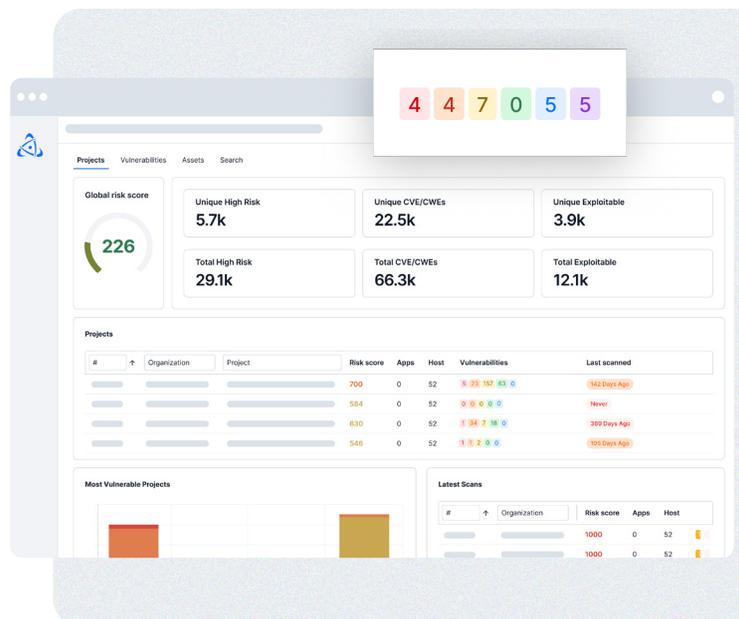
Replaced manual triage and ownership assignment with dynamic workflows that scaled across teams, product lines, and environments without brittle, rule-heavy configurations.

Contextual Risk Scoring

Nucleus applied transparent, adjustable risk scoring using both vulnerability intelligence and business-specific context, allowing the team to prioritize critical risks.

“These capabilities allowed the customer to shift from reactive vulnerability patching to proactive exposure management...”

Together, these capabilities allowed the customer to shift from reactive vulnerability patching to proactive exposure management across cloud, infrastructure, and application security teams—without adding headcount.



3 Business Impact

Business Impact: Proactive Remediation, at Scale

With Nucleus, the customer transitioned from manual triage to proactive risk reduction. Teams can now:

- Identify recurring weaknesses and adjust training or implement controls accordingly
- Verify the effectiveness of auto-patching across environments
- Monitor and manage administrative and excessive privilege risks

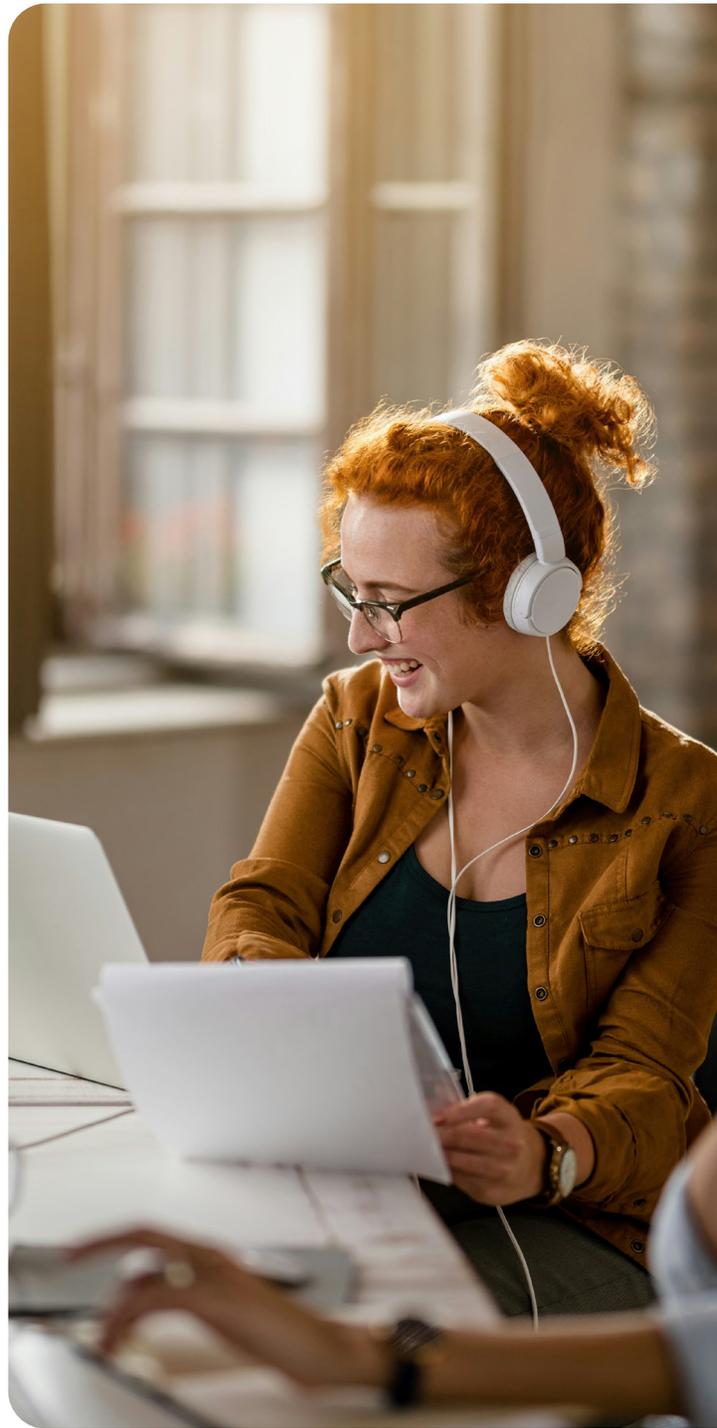
A particularly transformative benefit has been embedding Nucleus into the CI/CD pipeline. Previously, code release decisions were made in isolation within AppSec tools.

Now, decisions are driven by centralized risk scores incorporating multiple tools and weighted threat intel, reducing the likelihood of critical vulnerabilities reaching production.

IN THEIR WORDS

“This level of control wouldn’t be possible without Nucleus unifying the data and applying contextual risk scoring.”

-Vulnerability Management Lead





Nucleus transforms vulnerability and exposure management for enterprises and government agencies by unifying data, automating workflows, and enabling faster, scalable risk mitigation. Founded in 2019 by former Department of Defense security experts, Nucleus is trusted by over 500 organizations, including Motorola, Paychex, and Mastercard. Our platform is designed by practitioners, for practitioners, to simplify complex vulnerability management processes and deliver measurable impact.



CBRE



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