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Fortune 500 Payments Giant Automates Exposure Management at Scale with Nucleus

1 Customer Overview

Overview

Customer: Fortune 500 Payments Company

Location: United States

Solution

The Nucleus Security Platform

Business Impact

- **Scaled fast** with 200+ automation workflows
- **Focused prioritization** with custom threat intelligence
- **API-first** program workflow orchestration
- **Integrated 22+ M&As** to centralize oversight
- **Achieved an 89% remediation** rate across millions of findings

In Their Words

"We're finally working at the speed we need. We can shape the data how we want, apply our own intelligence, and keep everything organized through automation workflows."

About the Customer

A Fortune 500 global payments giant operating across dozens of markets and business units. The company manages complex infrastructure and frequent M&A activity, creating unique scalability challenges for vulnerability and exposure management.

> This team needed a modern, API-driven solution to unify fragmented visibility, support custom threat modeling, and onboard newly acquired companies with minimal lift.

The Challenge: Scaling Across M&A and Cloud Complexity

This team needed a modern, API-driven solution to unify fragmented visibility, support custom threat modeling, and onboard newly acquired companies with minimal lift. Each acquisition brought a disparate security stack and inconsistent understanding of risk posture, compounding integration complexity.

Key gaps included:

- Manual ingestion and triage bottlenecks
- Inconsistent prioritization across teams
- Visibility gaps in ephemeral environments
- High operational burden managing SLAs, deduplication, and ownership at scale

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The Solution: Nucleus Security Platform

Nucleus became the backbone of the enterprise's vulnerability and exposure management program. Each M&A business unit was deployed as its own Nucleus project providing data isolation with centralized oversight.

API-Centric Architecture

Enabled bulk ingestion, automation, and integration across asset, vuln, and threat systems.

Custom Threat Intelligence

Injected internal intel to power tailored severity calculations and automation triggers.
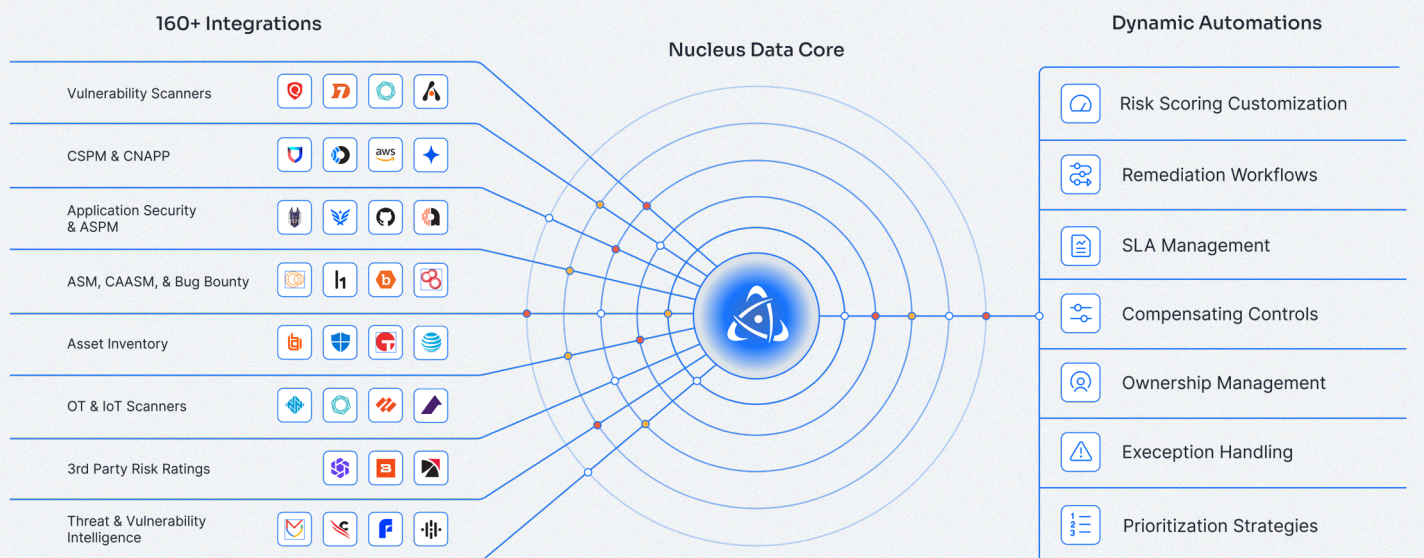
Multi-Org Onboarding

Seamlessly onboarded 22+ M&A entities using consistent templates, asset grouping, and project-level segmentation.

Remediation Analysis

Tracking and reporting to executives leadership on risk posture and progress.

Automation at Scale

Built 200+ workflows to handle assignment, risk adjustment, ticketing, and lifecycle state transitions.

160+ Integrations

- Vulnerability Scanners
- CSPM & CNAPP
- Application Security & ASPM
- ASM, CAASM, & Bug Bounty
- Asset Inventory
- OT & IoT Scanners
- 3rd Party Risk Ratings
- Threat & Vulnerability Intelligence

Nucleus Data Core

Dynamic Automations

- Risk Scoring Customization
- Remediation Workflows
- SLA Management
- Compensating Controls
- Ownership Management
- Exeception Handling
- Prioritization Strategies

Business Outcomes: Risk Reduction at Enterprise Velocity

Nucleus empowered the organization to standardize and scale its vulnerability management operations across dozens of diverse environments. By combining API-first integration, automation, and contextual prioritization, teams eliminated bottlenecks and accelerated mean time to remediation across both legacy and newly acquired business units.

- **Unified visibility** and remediation governance across 22+ business units

- **Automated prioritization** with contextual scoring, custom intel, and policy-driven SLAs

- **Reduced API calls** by more than 20 million through local intelligence and automation

- **Enabled continuous compliance** reporting and SLA adherence tracking

- **89% of known vulnerabilities resolved**—massively improving security outcomes with fewer resources

Strategic Takeaway: API–Driven Modernization for Continuous Exposure Management

With Nucleus, the team transformed its VM program into an API-first, automation-led operation capable of supporting rapid M&A, scaling remediation, and adapting threat intelligence in real time. What once took weeks now runs continuously—with clarity, speed, and control.

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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.

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www.nucleussec.com | hello@nucleussec.com

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