Prophaze™
The New Phase of Security

Case Study

Manufacturing Sector · 2024

THREAT ALERT

Legacy Systems Exposed as Cyberattacks Target Critical Manufacturing Operations

A leading manufacturer faced escalating threats targeting internal applications. Legacy systems became entry points. Operations were at risk before the attack couldbe contained.

- 200+ Legacy Systems at Risk
- 180M+ Malicious Requests Blocked
- Operations Secured Without Disruption

Real Time
Threat Detection
Attacks identified and mitigated instantly

12.5 Gbps
Peak Attack Size
High-volume traffic absorbed and controlled

180M+
Requests Blocked
Malicious traffic stopped before impact

200+
Legacy Systems
Secured without disruption

01 / Situation

A Legacy Infrastructure Under Attack

A large-scale manufacturing enterprise operated over 200 interconnected legacy applications containing sensitive operational data. While these systems were not directly exposed, vulnerabilities existed across VPN endpoints and misconfigured access controls.

Attackers exploited these gaps to target internal applications. As traffic increased and attack vectors evolved, systems became vulnerable to disruption, unauthorized access, and operational instability.

200+

INTERCONNECTED APPLICATIONS

12.5 Gbps

VOLUMETRIC TRAFFIC LOAD

- Legacy Systems
- VPN Exposure
- Misconfigured Access
- Outdated Encryption
- Limited Visibility
- Expanding Attack Surface

⚠ Security Gaps

⚠ Internal Exposure

⚠ Operational Risk

02 / Challenge

Existing Defenses Could Not Protect Legacy Systems

Security tools lacked visibility into internal traffic. Threats moved undetected across critical applications.

Attack Paths Were Hidden Inside the Network

VPN access points and misconfigurations created entry paths. Malicious activity blended with legitimate internal traffic.

No Real-Time Threat Detection

Outdated systems could not detect or respond to evolving attack patterns. Delays increased exposure risk.

Operational Risk Increased with Every Gap

Security weaknesses directly impacted production continuity, system reliability, and business operations.

03 / Solution

Prophaze WAAP: Built for Legacy System Protection

Three coordinated capabilities that secured infrastructure without disruption.

Inspect and Secure Encrypted Traffic

- Decrypted and inspected HTTPS traffic at scale
- Blocked payload-based attacks before reaching systems
- Re-encrypted traffic securely for backend communication
- Ensured complete visibility across internal applications

AI-Driven Threat Detection and Virtual Patching

- Detected OWASP Top 10 threats in real time
- Identified anomalies across internal traffic patterns
- Applied virtual patching to eliminate vulnerabilities
- Adapted continuously to evolving attack techniques

Strengthen Infrastructure with Adaptive Defense

- Enabled domain-based routing for secure traffic control
- Scaled dynamically to handle high traffic volumes
- Distributed traffic to prevent single points of failure
- Maintained uninterrupted system performance

04 / Outcome

Systems Secured. Operations Continued Without Disruption.

Here is exactly what happened and what it meant for the business.

0 sec

Zero Downtime

All internal applications remained fully operational

100%

Operational Continuity

Production and business processes continued without interruption

Live

Full Threat Visibility

Security teams monitored traffic and attack patterns in real time

+1

Stronger Security

Infrastructure hardened against future threats

05 / Comparison

What Changed When Prophaze Was in Place

❌ BEFORE PROPHAZE	✅ AFTER PROPHAZE
Threat Detection ❌ Limited visibility into internal traffic and vulnerabilities	Threat Detection ✅ Real-time monitoring with full traffic visibility
System Security ❌ Legacy systems exposed to internal and VPN-based attacks	System Security ✅ Secured legacy applications with adaptive protection
Operational Stability ❌ High risk of disruption and system failure	Operational Stability ✅ Continuous operations with zero disruption

"The risk is not just external attacks. It is the unseen vulnerabilities within. Legacy systems without adaptive security cannot withstand modern threats."

Prophaze™
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Trusted by global enterprises, manufacturers, and exporters to maintain uninterrupted operations with AI-driven unified traffic management and failover protection.

Protect Your Applications with AI-Driven Unified WAAP Platform in Minutes