Prophaze™
The New Phase of Security

Case Study

Healthcare Sector · 2024

THREAT ALERT

Cyberattacks Hit Healthcare Systems at Scale, Disrupting Critical Patient Services

A wave of coordinated attacks targeted digital healthcare infrastructure, overwhelming systems, exposing sensitive data, and disrupting essential operations across the platform.

- 50 Gbps Attack Volume
- 250M+ Malicious Requests
- 250M+ Malicious Requests

50 Gbps
Peak Attack Size
Volumetric traffic surge

250M+
Requests Generated
Malicious traffic at scale

0 sec
Downtime
Services 100% operational

Minutes
Time to Respond
Threats identified and controlled in real time

01 / Situation

A Healthcare Platform Under Attack

A leading healthcare platform faced a surge of cyberattacks targeting APIs, application layers, and exposed endpoints. Systems experienced slowdowns, failed responses, and operational instability as traffic rapidly escalated.

Over 250 million malicious requests flooded the platform, consuming 50 Gbps of bandwidth. The attack disrupted workflows, increased the risk of data exposure, and put patient services under pressure.

50 Gbps

VOLUMETRIC TRAFFIC SURGE

250M+

MALICIOUS REQUESTS GENERATED

- Layer 7 Attacks
- API Exploits
- Bot Traffic
- Credential Stuffing
- Data Scraping
- Zero-Day Exploits

- ⚠ Service Disruptions
- ⚠ Data Exposure Risks
- ⚠ Operational Instability

02 / Challenge

Existing Defenses Couldn’t Stop the Attacks

Security systems detected unusual activity but could not contain it. Traditional defenses were built for older threats, not the scale and complexity of modern attacks.

Attack Traffic Looked Like Real Users

Bots and automated requests closely mimicked genuine patient behavior. Blocking malicious traffic risked blocking real users. There was no clear line between safe and harmful traffic.

Security Couldn’t Keep Up

Attack patterns kept changing in real time. Static rules failed to adapt. Every delay allowed the attack to push deeper into the system.

Disruptions Impacted Critical Healthcare Services

This was not just a technical issue. Service instability affected patient access, delayed critical workflows, and weakened trust in digital healthcare systems.

03 / Solution

Prophaze WAAP: Built for Modern Healthcare Threats

Three coordinated capabilities that stopped what traditional tools could not.

Stop Threats Across All Layers

- Protected APIs and application layers simultaneously
- Analyzed traffic behavior under high load
- Blocked malicious requests before impact
- No manual intervention required

AI That Detects Hidden Threats

- Identified anomalies in user and API behavior
- Detected bot-driven and automated attacks
- Adapted instantly to evolving attack patterns
- Continuously improved detection accuracy

Secure APIs and Critical Endpoints

- Validated and sanitized every request
- Discovered exposed and shadow APIs
- Applied rate limiting at endpoint level
- Ensured only legitimate traffic passed through

04 / Outcome

Healthcare Systems Stabilized. Services Continued.

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

Minutes

Attack Controlled

Neutralized before systems faced further disruption

0 sec

Zero Downtime

All critical healthcare services stayed live throughout the attack

100%

Users Unaffected

Patients and providers continued access without interruption

Live

Full Threat Visibility

Security teams monitored every attack pattern and response in real time

+1

Stronger Security

Every attack sharpens Prophaze's defenses. Future variants will be blocked even faster.

05 / Comparison

What Changed When Prophaze Was in Place

❌ BEFORE PROPHAZE	✅ AFTER PROPHAZE
Threat Response ❌ Reactive systems struggled against API and bot-driven attacks	Threat Response ✅ Real-time adaptive mitigation across all attack vectors
System Stability ❌ Service disruptions and operational instability	System Stability ✅ Stable performance under high traffic conditions
Security Visibility ❌ Limited insight into attack patterns	Security Visibility ✅ Real-time visibility into traffic and threats

"Trusted by healthcare platforms to protect sensitive data and ensure uninterrupted digital care."

Prophaze™
The New Phase of Security

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