



Is Your Infrastructure Ready for the Next Coordinated Attack?

India's Aviation Sector Under Cyber Siege

The Hidden Crisis

Behind India's Airports

While passengers experienced delays and chaos on the surface, a far more dangerous battle was unfolding behind the scenes—within the digital backbone of India's busiest airports.

In April 2023, six of India's busiest airports became the target of a coordinated Layer 3-7 DDoS attack. Unlike traditional traffic floods, this campaign leveraged distributed botnets that bypassed perimeter defenses by mimicking legitimate user behavior.

The challenge was not just the scale—over 50 million requests and traffic peaks reaching 450 Gbps—but the precision. The attackers targeted critical application endpoints used for flight bookings, check-in operations, and real-time data exchange,

“Critical infrastructure today isn't just physical—it's deeply digital. And when digital systems fail, the impact is immediate, visible, and global.”

— Aviation Security Analyst

IMPACT SNAPSHOT: APRIL



Layer 7 HTTP Floods:

Massive saturation targeting application layers and APIs



IP Rotation & Evasion:

Spoofed identities bypassing traditional WAF defenses



Botnet Orchestration:

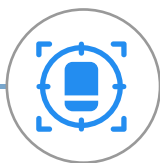
Automated large-scale traffic overwhelming systems



API Exploitation:

Targeted disruption of critical operational endpoints

Critical Vulnerabilities Exposed



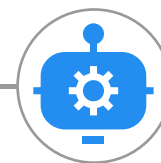
Application Layer Targeting

Overloading APIs and web applications powering airport operations



Legacy Security Gaps

Static defenses failing against dynamic, evolving threats



Bot-driven Traffic Floods

Massive automated request surges overwhelming systems

Solution: Prophaze WAAP Platform

Defending aviation infrastructure with a **multi-layered, AI-driven security architecture** designed for real-time resilience. Prophaze delivered **continuous protection** through intelligent traffic analysis, adaptive scaling, and automated threat mitigation.

Technical Resilience

By deploying WAAP architecture via Kubernetes-native environments into the Prophaze security engine, enterprises eliminate critical gaps in their infrastructure.

Legitimate traffic patterns are learned via ML, allowing the system to automatically block the 50M+ malicious requests observed in April 2023 without manual intervention.

STATUS: LIVE PROTECTION

99.99%

UPTIME DURING ATTACK

Core Defense Capabilities



Real-time DDoS Mitigation

Absorbed 450 Gbps attack traffic
without latency impact



AI/ML Traffic Intelligence

Behavior-based detection
of bots and anomalies



CAPTCHA-less Bot Defense

Advanced filtering without disrupting
user experience



Kubernetes-Native Scaling

Auto-scaling infrastructure
to handle attack spikes



Centralized WAAP Control

Unified visibility across all
airport systems



Custom Rate Limiting

Protection of sensitive APIs
from targeted abuse



Geo-Fencing & Proxy Blocking

Preventing malicious traffic
from high-risk regions

Results – Zero Disruption, Maximum Protection

Post-attack analysis confirms that Prophaze ensured uninterrupted operations across protected airports.

50M+

BLOCKED

Malicious Requests

0ms

DOWNTIME

Seamless Operations

100%

AVAILABILITY

Critical Systems Online

450 Gbps

ABSORBED

Attack Traffic

Attack Composition

Distribution of attack vectors during the April 2023 peak waves



- Layer 7 HTTP floods
- Bot-driven traffic spikes
- API endpoint targeting
- IP spoofing & evasion tactics

Defence Maturity

- Adaptive bot fingerprinting
- Zero-latency traffic filtering
- Elastic scaling under extreme load
- Intelligent API protection

Strategic Impact

By combining **AI-driven anomaly detection**, **real-time scaling**, and **deep API protection**, Prophaze successfully neutralized 100% of the coordinated DDoS attempts without manual intervention. The distributed botnet traffic patterns were automatically identified and mitigated within milliseconds of the initial surge.

Will Your Infrastructure Withstand the Next Attack?

Don't wait for disruption to expose your vulnerabilities.
Join 100+ enterprises securing their critical infrastructure with

[Request demo](#) 