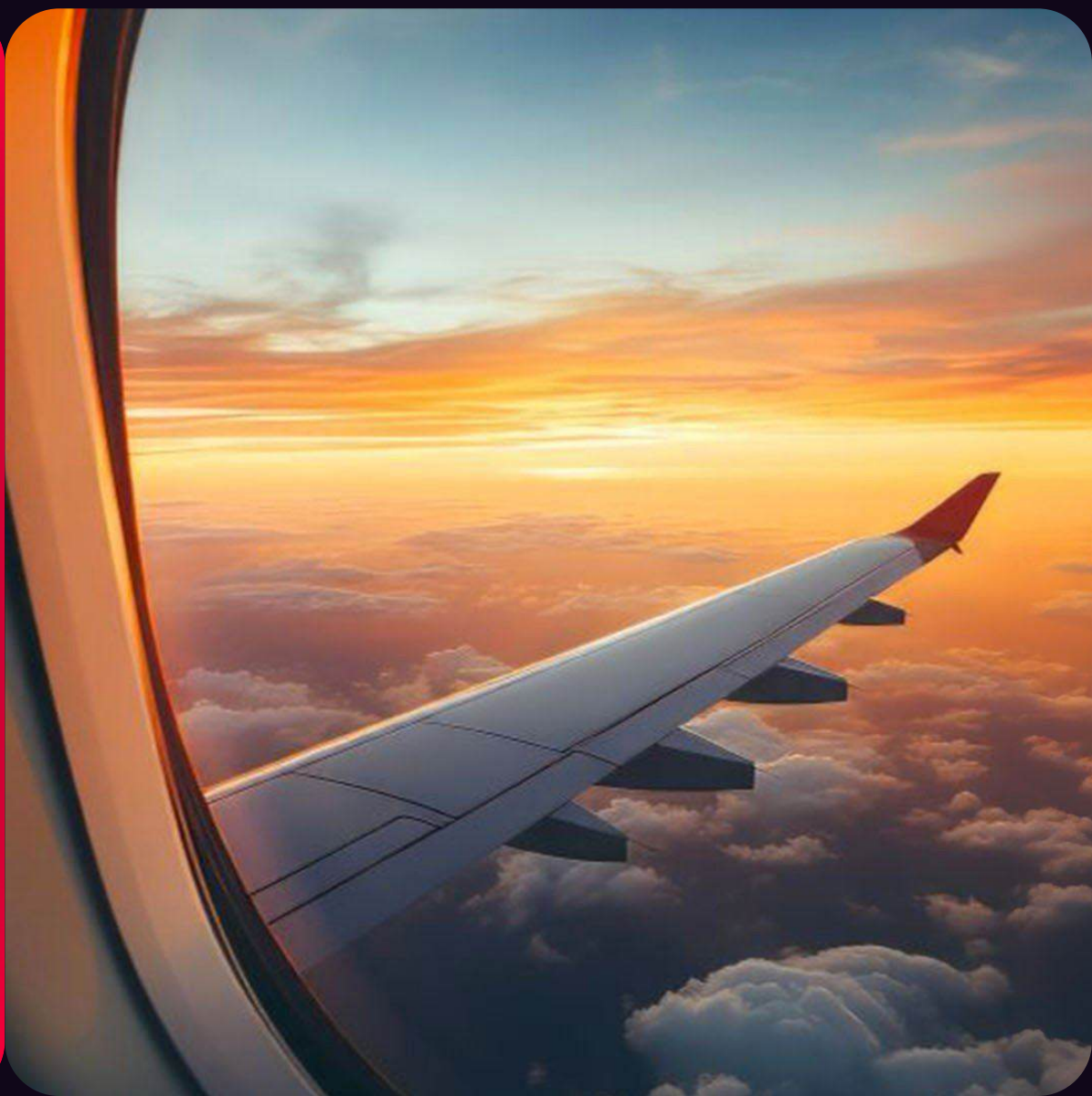
HADRIAN

Digital asset and risk management for the Aviation sector

CASE STUDY



Introduction

A leading multinational technology company providing software solutions for the global travel and tourism industry through its Global Distribution System (GDS) and Information Technology (IT) divisions.

With corporate headquarters in Spain, its largest employee base in France, and the technical backend in Germany, the group caters to businesses across the world.

The GDS offers real-time services to travel providers across geographies and time zones, while the IT business focuses on software for reservations, inventory management, and departure control. It services a diverse range of clients, including airlines, hotels, tour operators, insurers, and car rental companies.

195

Countries operated in

173

Local Commercial Organisations

16,000

Employees

Challenges

01

Complexity and Fragmentation

Decentralized operations made it difficult to maintain an accurate asset inventory, with varied technologies and techniques across teams.

02

Exposure Risks

Fragmentation led to gaps and increased risk of unidentified vulnerabilities due to lack of centralized visibility.

03

Vulnerability Risk Management

High false positives from previous cybersecurity vendors and challenges in identifying vulnerabilities like Log4J highlighted issues.

04

Integration Issues in Mergers and Acquisitions

Integrating disparate security systems during mergers required unified security coordination to manage the complexities effectively.

Solution

01

Enhanced Asset Management

Centralized system and active scanning tools for a unified and real-time view of all assets.

02

Improved Vulnerability Management

Accurate identification, prioritization of risks, and automated detection to minimize false positives and manage vulnerabilities efficiently.

03

Stronger Compliance and Integration

Unified security standards and continuous monitoring to ensure compliance with all regulations across business units and acquisitions.

04

Reduced false positives

Significant reduction in false positives, allowing the security team to focus on genuine threats.

Outcome

Strategic Growth through Partnerships

The group, headquartered in Spain with key operations in France and Germany, serves businesses worldwide from its strong European base. From January 2023 to June 2024, the company announced 25 new partnerships across aviation and non-aviation sectors, enhancing technological and operational capabilities. Notable aviation partnerships included major airlines and airports such as TAP, Air Canada, Virgin Atlantic, and Sydney's new airport.

In the non-aviation sector, the company formed 14 partnerships with companies in hospitality, travel and tourism, technology, and other industries, from Accor to Microsoft. These collaborations expanded the company's reach and technological prowess but also introduced significant cybersecurity challenges due to increased system access points and integration of new technologies.

Addressing Cybersecurity Challenges

The company faced several cybersecurity issues, including maintaining an accurate asset inventory due to decentralized operations and dealing with exposure risks from fragmented systems. Passive scanning methods further limited their ability to detect and respond to risks effectively, leading to a reliance on a previous vendor that produced numerous false positives and missed genuine vulnerabilities.

Acquisitions brought unused domains that increased the risk of exploitation, and ensuring compliance with regulations like the Spanish Data Protection Law and the EU Cybersecurity Act required vigilant management. Integrating disparate security systems from mergers necessitated a unified and proactive approach to security coordination across newly acquired entities and existing operations.

The Hadrian Effect

Hadrian's solutions significantly improved the company's cybersecurity posture, supporting its growth and innovation in the travel and tourism industry. The implementation of centralized asset inventory systems and active scanning tools provided a unified view and real-time monitoring of assets while minimizing false positives and accurately identifying genuine vulnerabilities.

Enhanced detection and management of unused domains, along with the development of unified security standards and continuous compliance monitoring, ensured robust protection and regulatory adherence. With Hadrian's support, the company experienced streamlined processes, quicker response times, and a transition to a proactive cybersecurity posture, ensuring comprehensive protection and ongoing compliance.

> **"Hadrian's discovery solutions are central when it comes to mergers and acquisitions. If a newly acquired company does not have good knowledge about their asset inventory and security systems, we have to scan their external attack surface to find maturity issues."**
>
> Senior Network Security Engineer,
> Client Operations

Hadrian's offensive security reveals how real-world attacks could compromise applications and infrastructure. Our autonomous platform continuously tests to comprehensively assess internet-facing assets. The cloud-based, agentless technology is constantly updated and improved by Hadrian's ethical hacker team.

Book a demo