



Why Airlines Need Robust API Security and Why Salt Security is the Best Solution

The Critical Role of APIs in Modern Airlines

The airline industry is heavily reliant on APIs (Application Programming Interfaces) to manage the complex web of digital services that are integral to daily operations. From booking systems, mobile apps, and check-in services to customer loyalty programs and real-time flight status updates, APIs are the backbone that connects these systems, allowing airlines to deliver seamless customer experiences and operate efficiently.

However, this reliance on APIs also introduces significant risks. As airlines modernize and expand their digital offerings, the volume and complexity of API traffic continue to grow. This expansion opens the door to new security vulnerabilities, with APIs now representing the primary attack vector in today's digital landscape. Ensuring the security of these APIs is therefore mission-critical for airlines.

Key API Challenges in the Airline Industry

- **Complex Ecosystems:** Airlines interact with numerous third-party systems, including payment gateways, travel agencies, and partner airlines. Each connection exposes potential vulnerabilities.
- **Data Sensitivity:** APIs handle vast amounts of personally identifiable information (PII), including passenger details, payment data, and travel histories. A breach could lead to severe regulatory penalties and reputational damage.
- **Real-Time Operations:** Airlines rely on real-time data to provide essential services, such as live flight tracking and dynamic pricing. Any disruption due to an API attack could lead to operational delays, financial losses, and customer dissatisfaction.

- **Evolving Threat Landscape:** Traditional security approaches are insufficient against modern API threats like data scraping, broken object-level authorization (BOLA), and automated attacks (bots). APIs are now the primary target for cybercriminals due to the valuable data they expose.

Why Salt Security is the Best Solution for Airlines

Salt Security delivers a comprehensive AI-Infused API security solution designed to address the unique challenges airlines face. Here's why Salt Security stands out:

- **Advanced Threat Detection Powered by AI/ML:** Salt Security leverages AI and machine learning to analyze API traffic continuously and detect suspicious behavior that traditional tools miss. The platform's ability to identify and block threats in real time is critical for preventing data breaches and ensuring uninterrupted operations.
- **Comprehensive Visibility Across All APIs:** The Salt platform continually discovers and categorizes all your APIs, including shadow APIs and those added by third parties. This holistic view is vital for airlines, given the interconnected nature of their digital ecosystems.
- **Proactive Posture Governance:** Salt Security helps airlines discover vulnerabilities in API configurations and meet their compliance needs through pre-built and customizable rules. This proactive approach allows teams to fix issues before they become exploitable, minimizing the risk of disruptions and regulatory violations.
- **Dynamic and Scalable Protection:** The airline industry is characterized by fluctuating demand, seasonal spikes, and global reach. Salt Security's cloud-native architecture scales effortlessly to accommodate these demands, ensuring your APIs remain secure even during peak travel periods.
- **Regulatory Compliance Support:** With stringent regulations like GDPR and PCI DSS impacting the airline industry, Salt Security's robust reporting and auditing capabilities assist airlines in maintaining compliance, reducing the risk of fines and legal exposure.
- **Seamless Integration and Easy Deployment:** Salt Security integrates easily with existing airline technology security stacks, ensuring rapid time-to-value and wholistic security without disrupting operations. Its deployment is non-intrusive and does not require changes to existing code or infrastructure.



Conclusion

In an industry where digital connectivity is paramount, securing APIs is essential for maintaining trust, ensuring operational continuity, and protecting sensitive data. Airlines cannot afford to leave their APIs vulnerable in the face of growing and evolving threats. Salt Security provides the comprehensive, scalable, and intelligent API security solution that airlines need to stay ahead of these risks.

By choosing Salt Security, airlines can confidently embrace digital transformation while safeguarding their APIs, passengers, and reputation.

