FROST & SULLIVAN

CASE STUDY:

Enhancing Supply Chain Operational Resilience in the Logistics Sector with Continuous Threat Exposure Management

FROST & SULLIVAN CASE STUDY

Customer

The customer is a leading conglomerate renowned for its comprehensive array of national and international logistics solutions. Its offerings span a spectrum of services, including storage, warehousing, distribution centers, land transportation, customs brokerage, last-mile delivery, maritime and port agency, international freight forwarding, and international transport services. Based in Latin America, the customer achieved complete vertical integration across all logistical services and has a remarkable infrastructure comprising over 282,500 square meters of storage space.

The customer is also certified under the Business Alliance for Secure Commerce (BASC). The BASC is an international business alliance, created to promote secure international trade in cooperation with governments and international organizations. BASC is instrumental in spearheading the adoption of supply chain security practices and standards across industry participants. To attain certification, the customer is required to implement a comprehensive management security system throughout its supply chain that focuses on two pillars: (a) integrity, ethics, and reputation; and (b) physical and procedural controls over its operations and business partners.

Challenge

As a large conglomerate, the customer confronts formidable challenges when safeguarding operations and minimizing risks across its vast logistical services. Maintaining uninterrupted solutions is crucial for seamless logistics management because complete vertical integration means that disruptions in one area could cascade into others, incurring financial costs and affecting efficiency and service delivery. The customer must also maintain its BASC certification and pass audits to verify compliance with BASC norms and international standards.

This highlights the requirement for proactive risk management strategies that help maintain operational continuity and mitigate vulnerabilities amid evolving cybersecurity challenges. To fulfill these objectives, the customer regularly conducts penetration testing to uncover potential weaknesses, simulating attacks to preemptively identify areas that malicious actors could exploit.

The customer acknowledges the importance of conducting frequent penetration testing to ensure robust security. However, the customer's current process of signing new service provider contracts for every testing instance is burdensome and inefficient. This necessitated looking for a more flexible and readily accessible solution to conduct penetration testing frequently and as needed.

Solution

The customer implemented RidgeBot, an intelligent security validation robot, to stay on top of emerging threats, because it enables frequent and continuous automated penetration testing. Unlike manual testing methods, RidgeBot operates tirelessly and can regularly execute security validation tasks—monthly, weekly, or even daily— and provide historical trending reports for analysis.

RidgeBot employs techniques such as weakness discovery and vulnerability scanning during the vulnerability mining process. Weakness discovery involves identifying potential weak points in the attack surface and assessing those areas using intelligent decision systems like expert models and RidgeBot's own algorithms. Vulnerability scanning involves accessing and testing the target system using automated tools and payloads, and results are then checked to determine exploitable vulnerabilities.

Benefits

RidgeBot's continuous testing capabilities align perfectly with the customer's requirement for more frequent and readily available penetration testing services. The customer can now conduct penetration testing without constraints. Previously, the customer was limited to conducting only 2 to 3 penetration tests per year. With RidgeBot, the customer can now access on-demand penetration testing at nearly an equivalent cost, resulting in significant cost savings.

Additionally, RidgeBot's thorough vulnerability scanning and comprehensive reports empower the customer to proactively identify and address potential weaknesses before malicious actors can exploit them. The reports include comprehensive recommendations that help the customer resolve vulnerabilities and chart a strategic path of continued improvement.

RidgeBot's capabilities are vital to minimizing vulnerabilities and reducing the risk of service disruptions, further enhancing the customer's operational resilience. With RidgeBot as a trusted partner, the customer can ensure that its business will remain resilient in the face of evolving cybersecurity challenges and continue to lead the way in proactive risk management.

> **RidgeBot's ability to conduct penetration testing anytime has significantly improved our organization's security posture. We highly recommend RidgeBot to others seeking reliable, cost-efficient, and effective penetration testing services."**
>
> *—Head of IT Operations and Infrastructure*

ABOUT RIDGE SECURITY

Ridge Security enables enterprise and web application teams, ISVs, governments, education, DevOps, anyone responsible for ensuring software security to affordably and efficiently test their systems.

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