



Transportation Security Company Enables Secure Sensor Data Collection

Company Overview

A global leader in aviation and transportation security technology, threat detection, and risk-based screening.

Customer Challenge

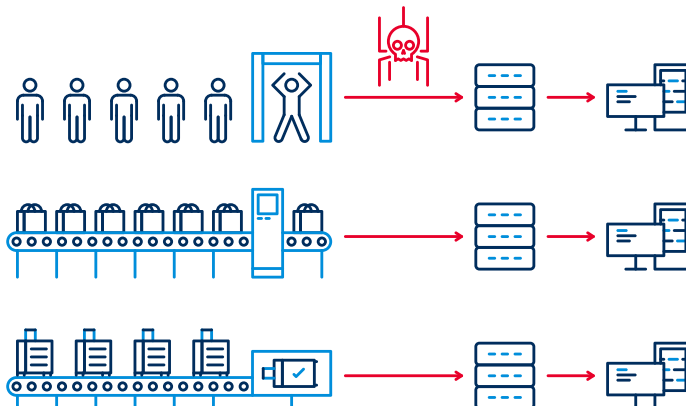
- Siloed security checkpoints and network segments prevent external connectivity to smart security equipment such as luggage scanners, explosive detection equipment and many more.
- Tedious manual data collection procedure has high operational costs and prevents more effective and efficient "risk-based screening."
- Captured security events and other reporting data are systematically fragmented across the enterprise.
- Manual data collection limits the role of trained security personnel on-site to one activity.
- Enterprise security teams are required to work with intrinsically incomplete and outdated security and events data.

SOLUTION REQUIREMENTS

- Automate the data collection process from the client's closed and widely dispersed subnetworks of critical security equipment.
- Maintain the air-gapped security of each siloed data collection point to prevent introduction of additional risk such as malware and hacker override of critical security equipment.
- Enable real-time data availability at client's data center for analysis and decision making.

BEFORE

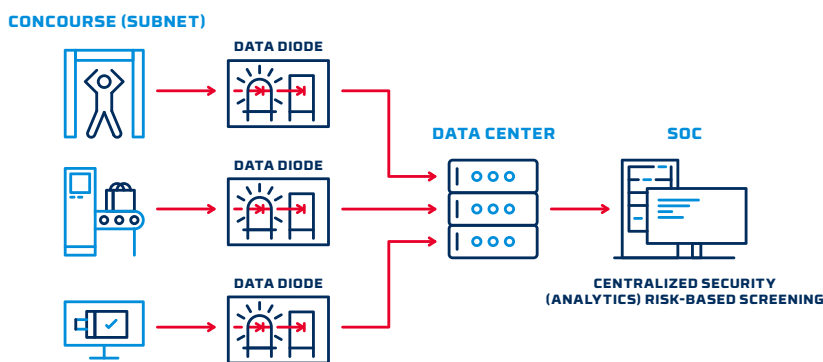
- Outdated device software is vulnerable to hackers and incompatible with security policies.
- Closed networks due to security policies.
- Siloed devices at checkpoints can't share information.
- Slow, tedious data offload process.
- Lack of risk-based screening creates longer lines and more unhappy customers.



Solution

- Owl data diode technology provides optical separation (air-gap) between critical security equipment and upstream data processing enclave. Effectively hardening the boundary of airport security equipment.
- All critical security equipment is protected behind hardware enforced one-way data diode.
- Security event data from each security checkpoint can be efficiently transferred one-way (only) upstream without introducing any new risk to critical security equipment.

AFTER ARCHITECTURE IMAGE



Results

- Security events are now securely transferred upstream to a data processing environment for further analysis.
- Enterprise security team now has a centralized view of all security events across all checkpoints for more real-time data and response.
- End customer can now apply “risk-based screening” methodologies to enhance passenger safety and expedite screening experience.
- Automated data collection allows the end customer to reallocate their trained security personnel to higher skilled tasks.

OWL Cyber Defense

Owl Cyber Defense Solutions, LLC leads the world in data diode and cross domain network cybersecurity. With a constant focus on customers in the military, government, critical infrastructure, and commercial communities, Owl develops market-first, one-way data transfer products to meet a variety of operational needs, from entry level to enterprise.

For more information on Owl, or to schedule a demo, visit www.owlcyberdefense.com



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