USE CASE

Securing the Skies: Scalable Network Visibility for Modern Airports

Challenge

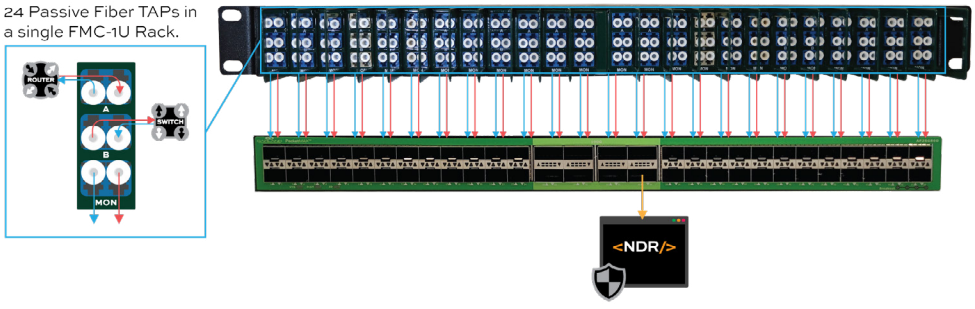
A major national airport recently issued a Request for Proposal (RFP) to Network TAP vendors, emphasizing the need to overcome existing port mirroring limitations while planning for future scalability. As airports face increasing cyber threats, enhancing their cybersecurity posture in a cost-effective and operationally efficient way has become critical. Garland Technology won the award as the vendor of choice for this airport, based on our ability to deliver a reliable, easy to deploy solution that ensures full network traffic for visibility for security and monitoring tools, while also providing the flexibility needed to support anticipated growth.

The TAP to Tool™ Solution

1. The primary requirement for this RFP was the deployment of a Passive Fiber TAP solution that could accommodate a large number of full-duplex fiber connections within a compact, rack-mounted design. Additionally, the solution needed to support traffic aggregation to a packet broker equipped with a minimum of two 40G QSFP ports, enabling seamless integration with an NDR (Network Detection and Response) tool.
2. Garland Technology proposed a scalable, cost-effective solution designed for simplicity, easy of deployment, and future expansion. At the core of this recommendation was a Network Packet Broker, which alleviates demands on security and monitoring tools by offering functions such as time stamping, packet slicing, filtering, aggregation, and load balancing, all explicitly outlined in the RFP as key requirements.
3. To further enhance the customers' security posture, Garland also recommended a purpose-built Data Diode Network TAP. This TAP is specifically designed for out-of-band monitoring, ensuring unidirectional traffic flows in only one direction, guaranteeing traffic cannot be injected back onto the network, supporting a robust security posture.
4. This overall solution, is ideal for customers that need to direct traffic from multiple fiber links into a single tool. This architecture provides full packet visibility and ensures the customer's security infrastructure has the network visibility it needs to operate.

Benefits

- Eliminated the problem of port limitations.
- Larger percentage of the network covered by the NDR solution.
- Optimized NDR tool performance.
- Perpetual access to hardware with no subscription fees.



Have Questions?

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