GARLAND
TECHNOLOGY
See every bit, byte, and packet®

Precision Visibility: How Packet Filtering Transformed OT Monitoring

▌Challenge

With thousands of payloads and shipping containers moving in and out each day, global exporters experience heavy and constantly growing network traffic. While many organizations require full packet visibility to ensure end-to-end security, others need the flexibility to selectively process only the traffic that truly matters to their tools.

Recently, a large global exporter faced performance and licensing constraints within their OT monitoring environment due to a high volume of video traffic generated by security cameras. They needed confirmation that the cameras were online but had no operational or security requirements to inspect the video payloads themselves.

This unnecessary traffic consumed processing capacity, inflated licensing costs, and reduced the efficiency of their IDS tool. The customer required a solution that would trim unnecessary data ("the fat") while still preserving awareness of camera health and connectivity.
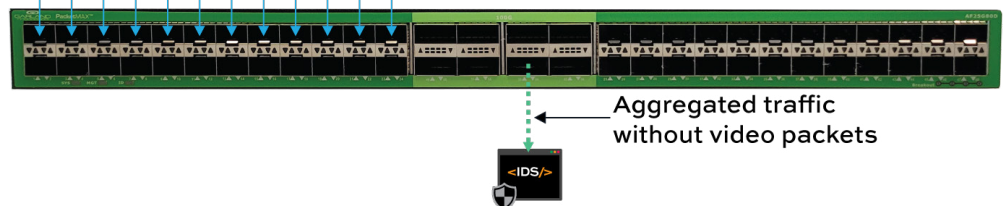
▌The TAP to Tool™ Solution

1. To meet the customer's visibility and traffic-reduction goals, Garland Technology deployed a targeted solution using Network Packet Brokers configured with advanced filtering capabilities.
2. The Packet Brokers were set to automatically identify and remove video traffic before it reached the OT IDS tool. This selective filtering allowed the customer to significantly reduce the amount of data forwarded to their tools, helping them stay within budgeted license thresholds while improving performance.
3. By stripping out video packets while maintaining essential camera status information, Garland delivered a clean, efficient data stream aligned with the customer's operational and security priorities.

▌Benefits

• Optimized IDS performance through reduced unnecessary traffic.

• Maintained visibility into camera status without sending video payloads.

• Increased efficiency and accuracy of OT threat detection.

• Perpetual access to Packet Broker with no subscription fees.

Inputs from OT Network, including video traffic

Aggregated traffic without video packets

▌ Have Questions?
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