

Challenge

For large manufacturing organizations, a well-designed network segmentation strategy isn't just optional, it's critical. With increasing regulations focused on protecting critical infrastructure and industrial environments, companies cannot afford gaps in visibility or security.

Recently, a large food processing company came to Garland Technology after running into major visibility challenges following a network segmentation initiative. While the intent was to strengthen their architecture, the result created blind spots and made it difficult to scale.

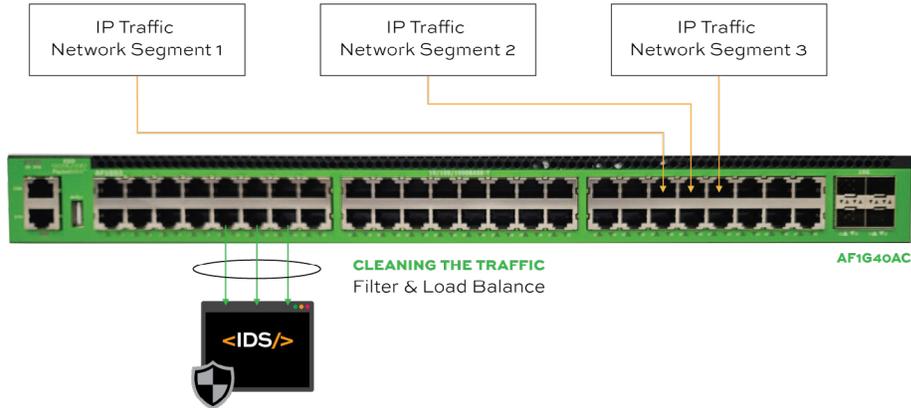
Their IDS tool could not efficiently handle IP traffic from multiple segmented locations through a single interface. The customer was advised to deploy a separate physical interface per location, which is a costly and unsustainable approach. They needed a scalable solution that maintained segmentation while controlling costs.

The TAP to Tool™ Solution

1. Garland Technology proposed deploying a solution of Network Packet Brokers (NPB) capable of load balancing, deduplication, time stamping and packet splicing.
2. The issues wasn't just tool performance, it was architectural. A fragmented subnet design and inconsistent IP addressing pushed traffic from multiple segmented locations into a single IDS interface, creating blind spots and limiting detection accuracy. The proposed fix was adding a physical interface per location, which would have increased costs and reduced scalability.
3. Garland solved this at the aggregation layer by deploying a Network Packet Broker to collect, filter and load balance traffic before it reached the IDS. By optimizing and distributing traffic across monitoring interfaces, the NPB eliminated visibility gaps and restored full coverage without added hardware sprawl.
4. Garland helped them turn a reactive network architecture into a scalable, structured design, ultimately giving them confidence in their environment moving forward.

Benefits

- Restored full visibility across segments
- Optimized performance of existing IDS deployment
- Reduced network complexity
- Enable future infrastructure upgrades
- Easy to deploy, cost effective
- No additional fees owed on the packet broker



Have Questions?

sales@garlandtechnology.com | +1 716.242.8500 | GarlandTechnology.com