GARLAND
See every bit, byte, and packet®
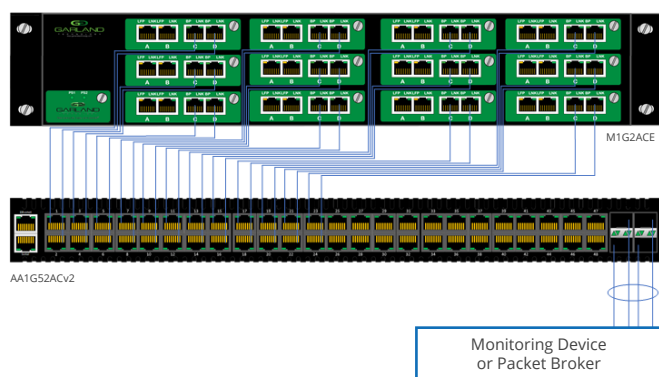
Infrastructure: Aggregation

A cost effective way to increase visibility to more links

A leading insurance company wanted to increase visibility to their current 1G network, but was dealing with limited rack space, as well as swelling port fees and port limitations on their existing core infrastructure.
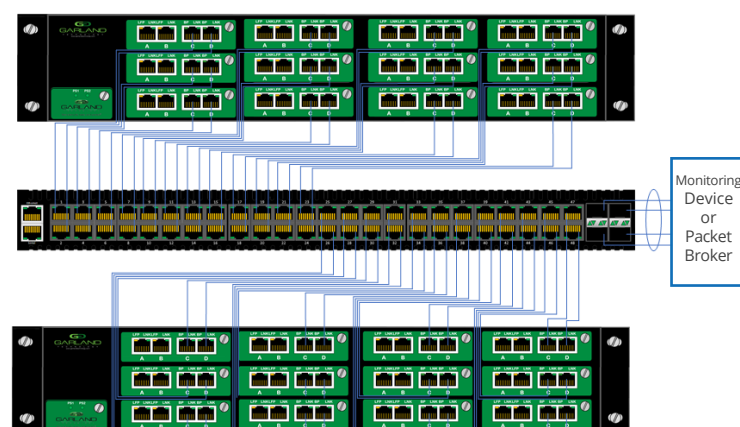
Pain point: Not enough available ports on their packet broker to accomidate the number of links that needed to be monitored. Other TAP options could only provide 1U solutions that had to be replicated to 4/5U footprint.

Goal: Increase number of monitored links in the most cost effective way.

Aggregate 12 1G Links to One

M1G2ACE

AA1G52ACv2

Monitoring Device or Packet Broker

TAP 24 1G Links and Load Balance to 10G

Monitoring Device or Packet Broker

Solution: Garland Technology's Modular Network TAPs provide not only a high density solution of 12 hot swappable Network TAPs in a 2U footprint, but this solution only requires two UPS connections, saving PDU ports, outlets and set up time. These numerous tapped links were aggregated and load balanced through Garland's PacketMAX™ Advanced Aggregator, significantly decreasing the number of ports needed on the NPB/device. This saved budget, while bringing critical visibility into the access layer they needed for their core packet broker and network performance monitoring (NPM) devices.

In both scenarios, Garland provided improved visibility:
Scenario 1: Easily aggregate 12 to 24 TAP links down to 1 to 4 ports on your existing core infrastructure, reducing the number of expensive license ports needed, while providing the visibility required.

Scenario 2: Simply load balance 12 to 24 TAP links to a single device using 10G ports. This improves the monitoring tools' port efficiency, while simplifying tool management. Instead of having multiple 1G analyzers or security devices, you can bring all the 1G traffic to one device.

Value:
• Provide visibility to all your 1G traffic
• Scalable, modular solutions for future growth
• High density tapping, reduces rack space, power consumption
• Improve port efficiency, reduce cost