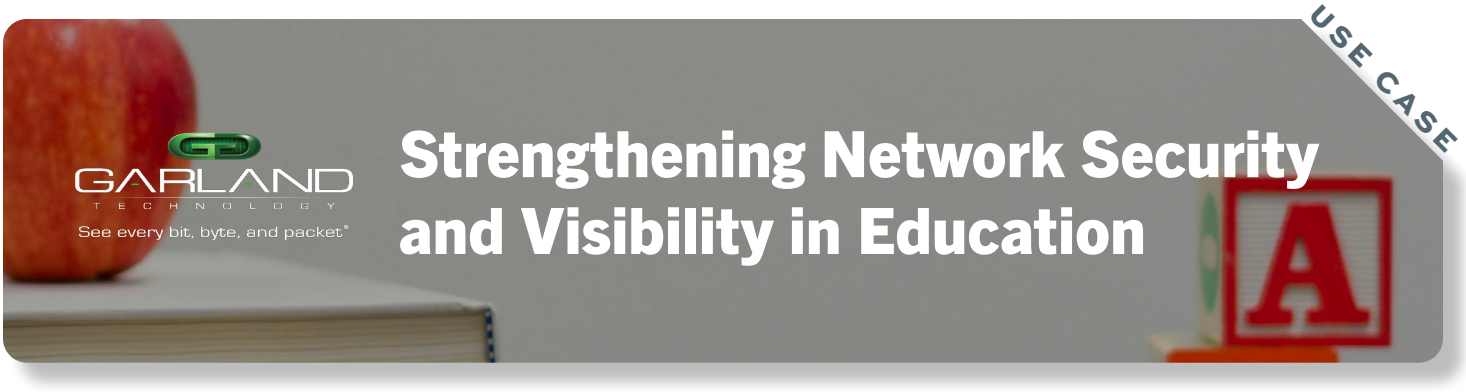


USE CASE

Strengthening Network Security and Visibility in Education

Challenge

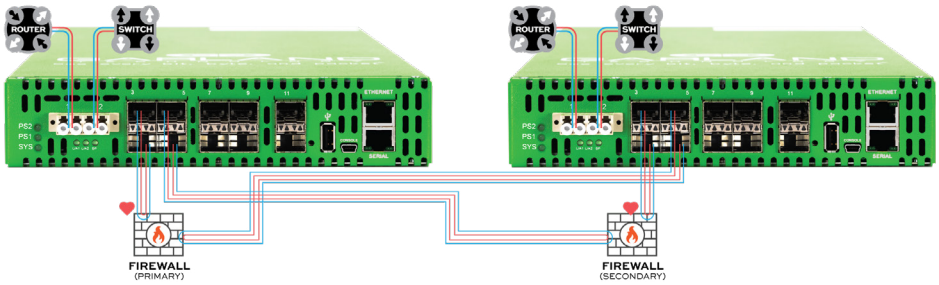
Educational Institutions face complex and evolving cybersecurity challenges daily. IT teams must balance securing sensitive data – such as student records, research assets, and faculty information – while maintaining open access for students and staff. These networks must be highly secure without impacting performance or access to critical educational resources and services. Recently, a large K-12 school district approached Garland Technology seeking a solution to enhance their network's security posture and feed traffic into a Palo Alto Firewall, which they identified as a potential single point of failure in their campus network.

The TAP to Tool™ Solution

1. Garland Technology proposed a robust solution featuring Network TAPs and Packet Brokers to integrate with a firewall that was previously identified to be a single point of failure within the network, ensuring improved visibility.
2. This design strategically positions an inline packet broker, equipped with built-in Bypass TAP, between the network and the firewall. This configuration copies the traffic between the router and the switch, delivering complete visibility into network activity for monitoring and analysis.
3. With the Inline Packet Broker in place, the customer benefits from real-time threat detection and enforcement. The solution also acts as a safeguard for the network, with an automatic failover through heartbeat packets from the Bypass TAP, ensuring uninterrupted traffic flow during firewall maintenance or failures.
4. This solution leverages High Availability inline bypass TAPs to deliver enhanced resiliency and reliability. In the event of a primary link failure, traffic is automatically redirected to a secondary firewall or a redundant link without disruption.
5. This approach allows for customers to have a secure, high-visibility network environment with enhanced monitoring and troubleshooting capabilities.

Benefits

- Seamless failover and Reliability.
- Enhanced Visibility Without Compromising Performance.
- High Availability Design for Maximum Resiliency.
- Optimized Performance.



Have Questions?

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