Monitoring and Security with Flowmon Networks and Garland Technology

A Joint Solution from Flowmon Networks and Garland Technology

Provide Visibility and Secure Blind Spots

As the nervous system of every modern organization, digital infrastructures and business-critical applications are expected to perform at consistent quality. Delays, unavailability and security breaches degrade user experience and customer satisfaction. This is why organizations need to understand what is happening in the network traffic if they wish to respond before they lose revenue or reputation.

The wide adoption of cloud services has brought significant savings in IT resources needed for application delivery. However, it also brought with it greater difficulties in obtaining sufficient network insight. Mainly, enterprises lack a compact overview of user experience that allows them to instantly locate the root cause of problems and decide whether they originate from the network, application or whether they have been caused by a security breach.

Garland provides Flowmon with mirrored traffic data in environments where traditional L2 tapping may not be effective. This way it can monitor both cloud and on-premise worlds, providing instant insight that's necessary to resolve network performance issues and deal with security threats. The joint solution makes it possible to identify opportunities for optimization, and ensure that infrastructure across the different environments supports business-critical services.
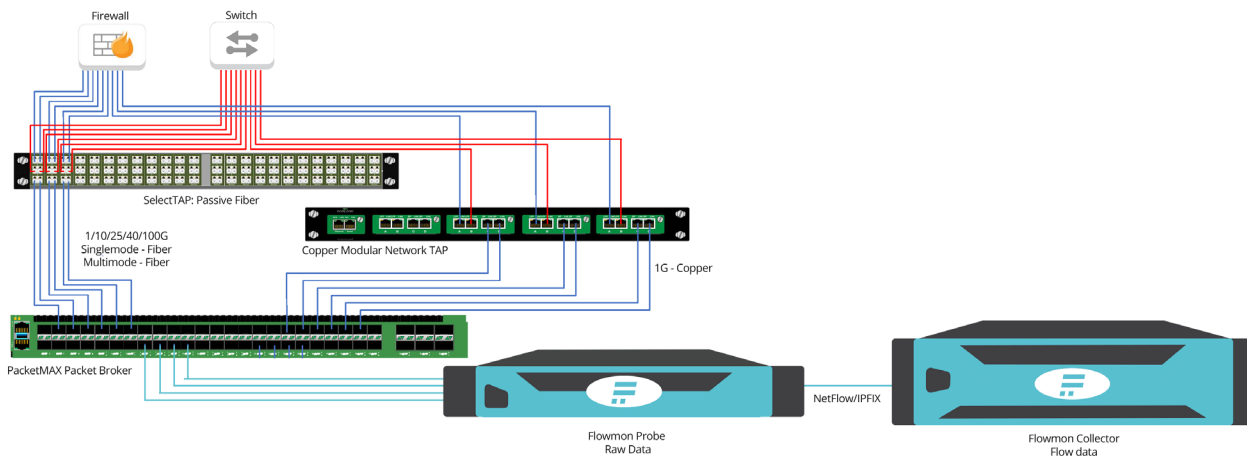
Scalable Detection

Flowmon Probes are deployed to collect all data about network traffic. They use a combination of data sources and monitoring technologies for this task, one of which are Garland's passive network TAPs or packet brokers. The technology employs traffic mirroring and delivers 100 % of captured packets to Flowmon, ensuring that no packets are dropped and a complete set of network data gets processed. This helps produce precise, highly relevant output which is critical for addressing the challenges of monitoring and security in high-speed digital environments.

GARLAND PRISMS
MANAGER
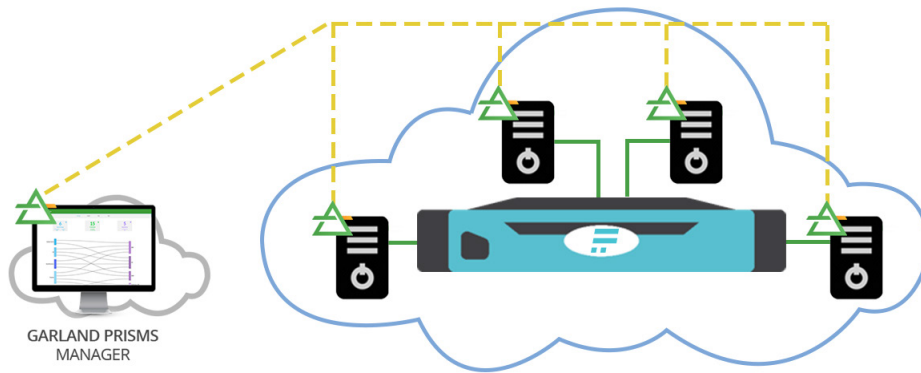
Cloud Traffic Visibility and Security Extension

Flowmon and Garland turn cloud-based infrastructure into a transparent environment with clear insight into user experience and security against modern threats. Flowmon provides powerful analytics and AI-powered incident detection while Garland ensures access to either raw network or telemetry data, encrypted or not.

Garland Prisms filters and distributes cloud packet traffic to Flowmon Collector equipped with a built-in Probe for flow generation. Flowmon's DPI engine enriches traditional flow telemetry with application visibility (HTTP/S, DNS, TLS, DHCP, VoIP and more) to bring immediate insight, reporting and analytics on specific application protocols. The Collector is typically deployed from cloud marketplaces.

Garland Prisms can send tapped traffic to Flowmon encapsulated in VXLAN or GRE tunnels. Configuration is simple - just set the destination IP for mirrored traffic and decapsulation method on the Collector.

Garland Technology
• Complete network visibility by passing all live wire data
• Ensure no dropped packets for out-of-band tools
• Quality standard, all TAPs are tested with live network data and validated
• 100% failsafe packet capture – all network TAPs are tested and validated, and have built-in failsafe and/or heartbeat technology
• Reliable traffic aggregation, load balancing, and filtering – full control over traffic behavior and flexibility for aggregation and regeneration.

Flowmon
• Analysis of critical services improves the performance of business applications, improving user experience
• Operational, configuration and security issues are detected and identified immediately, providing better protection against both external and internal threats
• Quick troubleshooting and ticket resolution for network and security administrators
• Decisive action with a single source of truth for both cloud and physical infrastructure.

About Flowmon

In a world where technology exists for the benefit of people, secure and healthy digital environments are essential. That's why Flowmon develops an actionable network intelligence solution that enables businesses to ensure their services are running well and securely, and their workforce is productive. Driven by a passion for technology, we have earned the trust of customers who rely on our solution to maintain control over their networks, keep order and overcome uncertainty. For more information about Flowmon visit www.flowmon.com

Flowmon Networks

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Garland Technology is an industry leader delivering network products and solutions for enterprise, service providers, and government agencies worldwide. Since 2011, Garland Technology has developed the industry's most reliable test access points (TAPs) and packet brokers, enabling data centers to address IT challenges and gain complete network visibility. For more information, or learn more about the inventor of the first bypass TAP, visit GarlandTechnology.com or @GarlandTech.

GARLAND TECHNOLOGY
See every bit, byte, and packet®