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SUCCESS STORY

Prominent Law Firm Evolves Network and Security Monitoring with Keysight, Allegro Packets, and ExtraHop

AT-A-GLANCE

Industry: Legal services

Company: A US-based multi-national law firm with more than 2,000 lawyers and 20+ offices in key business regions around the world

Challenge: Adding new data centers while evolving to higher speed networks and monitoring infrastructures

Solution: A Keysight Network Visibility Platform that processes and sends analysis-ready to multiple network performance and security monitoring systems

Overview

A large law firm began modernizing its network to help streamline strategic acquisitions, bolster security and improve operations. The evolution included scaling bandwidth capacities to support data-intensive distributed networking, brand-new data center facilities, and expanded SOC operations at the same time. The multi-national firm expanded its Keysight Network Visibility Platform to accelerate migration to 100G networks and equip monitoring systems from Allegro Packets, ExtraHop, and other Keysight partners with the right real-time data.

The Challenge: Scaling Network and Security Operations with a Single Visibility Platform

With traffic growing in both volume and complexity, the law firm opted to evolve its 40G networks to 100G and extend edge networking capabilities to several new sites. The expansion required modernizing its visibility architecture to support several new tools used in network performance monitoring (NPM) and security monitoring at new collocated data centers.

The primary goal of the visibility upgrade was delivering clean, deduplicated traffic to monitoring and security tools. Additional requirements for optimizing operations and ROI included:

- Building a scalable, right-sized architecture that could support 40G networking today with a clear path to 100G
- Minimizing data center rack space requirements using just 1RU at colo centers if possible
- Maintaining flexibility to support future firewall upgrades and other security platform changes

Operations teams had been using a Keysight Network Visibility Platform to aggregate and groom traffic for analysis by an application performance monitoring (APM) solution that was being phased out. Having seen the value of the Keysight platform, they decided to double down and evolve to newer Vision packet brokers to support monitoring tools at new and existing data centers.

To maximize efficiency and ROI, the law firm's network and security architects aimed to standardize on a single visibility platform to support both IT and SOC operations.

The Solution: Proven Joint Solutions and Partner Alliances

A host of new monitoring solutions included high-speed packet capture, NPM, forensics technology from Allegro Packets and Network Detection and Response (NDR) solutions from ExtraHop, two long-time Keysight alliance partners.

Rather than introduce a brand-new platform, project leaders chose to expand their trusted Keysight deployment to new sites and architectures. Keysight provided a vendor-neutral visibility layer that could accelerate time to analysis and improve utilization across a wide variety of downstream monitoring and security tools.

The team worked closely with RCI (Resource Communications), its long-time solution provider, and engineers from Keysight and its technology partners to match the right platform

to each environment—a powerful advantage compared with a one-size-fits-all design. The rollout began with upgrading the Vision ONEs at primary data centers in San Francisco and Austin to Keysight's higher-capacity Vision 400s. Additional deployments to support network expansion include installing Vision Edge 100 appliances in scalable 100G environments and using Vision Edge 50 NPBs at smaller regional offices.

Unified visibility architecture pays dividends

Operating a versatile, cost-efficient visibility platform across diverse data centers, colocation facilities and branch offices improves operational flexibility and future scalability. Standardizing on Keysight helps ensure delivery of filtered, analysis-ready packets that improve the effectiveness of network and security monitoring worldwide.

Benefits of a standardized visibility architecture include:

- Simplified deployment of new monitoring and security tools
- Reduced rack space requirements in constrained colocation environments
- Preserved flexibility for future firewall and monitoring platform upgrades
- Improved monitoring tool utilization

The design also protects investments by supporting future technology refreshes without requiring network architects to redesign the visibility layer.

What's Next?

As the firm's network continues to expand, the visibility architecture is designed to scale alongside it, supporting additional data centers, higher-speed links, and operational cost-optimization. Along with the growth of the current architecture, the Keysight platform also scales to accommodate real-time monitoring of east-west traffic in the cloud.

Visit GetNetworkVisibility.com for the latest from Keysight on insights for optimizing network monitoring, security, and analysis.

For more info, contact: 630-261-TEST (8378) or info@resourcecomm.com

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