CASE STUDY



Keysight and BlueCat Refresh Monitoring Capabilities

State Lottery and Retail Giant Evolve Monitoring Capabilities Over Time

KEYSIGHT

01

Industry

Retail, state government

02

Customer

Nationwide discount department store chain with 1500+ stores and state lottery

03

Challenge

Evolving network visibility and monitoring infrastructures for more than a decade

04

Solution

Keysight E10S and E40 network packet brokers aggregating, filtering, and de-duplicating network traffic for analysis by BlueCat LiveNX and LiveWire

Overview

IT teams struggle to strike the right balance between two age-old adages: “The only constant is change” and “If it ain’t broke, don’t fix it.” Two longtime Keysight customers recently took the same approach: refreshing their data centers with modern BlueCat monitoring capabilities and upgrading their proven visibility platform with Keysight.

Both organizations — a large state lottery and nationwide discount department store chain — evaluated leading alternatives before choosing to partner with BlueCat Network Observability, which acquired LiveAction and continue building on Keysight.

BlueCat Helps Organizations Navigate Change

Both customers migrated their network performance monitoring capabilities to BlueCat. LiveNX and LiveWire, from a featured Keysight Alliance Partner. LiveNX and LiveWire give the organizations' IT teams a unified view of telemetry from multiple sources so they can manage network performance and security as IT environments change.

Leveraging Keysight's intelligent network delivery platform to capture and route high-fidelity packets and streams of network traffic, LiveWire and LiveNX give analysts a powerful, intuitive way to monitor and troubleshoot network performance. The Keysight visibility platform helps to accelerate analysis and optimize the use of monitoring resources by forwarding only relevant traffic to BlueCat.

"If It Ain't Broke": IT Teams Double Down on Proven Visibility

Both organizations first became Keysight customers more than a decade ago. In the process of refreshing their data centers over the years — and in the case of the household-name retailer, adding 40G capacities — both chose to build on Keysight's proven visibility platform.

The IT teams replaced first-generation equipment with a combination of Keysight Vision Edge E10S and E40 network packet brokers (NPBs). E40 packet brokers scale to aggregate, process, and load-balance traffic from a single rack to massive data centers while E10S appliances deliver cost-effective rack-level visibility in data centers or at branch locations.

Both deployments continue to use Keysight network taps to capture, copy, and forward traffic from the network to Vision E10S and E40 solutions and Keysight's IFC (Ixia Fabric Controller) clustering capabilities to connect and control the visibility infrastructure. All Vision packet brokers remove duplicates and other unwanted data at scale to improve monitoring tool utilization and streamline delivery of data to BlueCat.

What's Next?

As things continue to change, both customers continue to double down on Keysight's ultra-reliable hardware-based processing capabilities and "go the extra mile" engineering support.

As network data grows, the next step for teams like these is making it easier to use. BlueCat LiveAssist, the AI assistant for network operations, lets analysts ask questions of LiveNX and LiveWire data in plain language and get guided troubleshooting, so more of the team can investigate without deep expertise in each tool. Teams that prefer their own AI assistant can use BlueCat MCP servers for LiveNX and LiveWire for secure, standards-based access to the same data.

Joint Solution Benefits

Employing a variety of data sources, including flow data generated by Keysight packet brokers, BlueCat LiveNX visualizes flows across a company's network topology so they can see what is happening within the network and its impact on application performance. Key features of joint solutions include:

- Intelligent filtering and analysis of relevant traffic
- Real-time visibility and expert analysis for application and network performance across the data center and the cloud
- Efficient utilization of monitoring resources
- Faster investigation with BlueCat LiveAssist, which supports plain-language questions and guided troubleshooting over LiveNX and LiveWire data

Visit https://www.keysight.com/us/en/products/network-visibility.html for the latest from Keysight on insights for optimizing network monitoring, security, and analysis.

For more info, contact: 1-888-438-4942 or visibilitysales@keysight.com

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KEYSIGHT

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