LiveAction + Keysight: Respond Faster with Enhanced Flow and Packet Analysis

Armed with the right analytics, network and security operations (NetOps and SecOps) teams can isolate incidents and quickly mount the right response. LiveAction and Keysight streamline the process with an integrated solution that collects and analyzes both flow- and packet-level data across your entire network.

The joint solution promotes deep understanding of application traffic with full visibility of your data center, the public cloud, and software as a service (SaaS) offerings. LiveAction's patented visualization technology simplifies network operations and troubleshooting while Keysight's hybrid network visibility combines enhanced NetFlow (IxFlow) and packet-level data to speed drill-down investigation of network anomalies.

Use the integrated solution to understand how your network is being used, how applications are performing, which resources are being accessed by which users — and what actions to take next.

The Joint Solution: Rapid Incident Response (IR) with Flow to Packet Workflow Optimization

LiveAction and Keysight deliver real-time, continuous insight into network traffic based on application and user-level activity. Seamless integration of comprehensive analytics and intelligent visibility reduces time and effort while improving accuracy and response times.

By leveraging enhanced IxFlow data together with network packet data, the LiveAction-Keysight solution provides deeper analytics and insight while optimizing the utilization of monitoring and security tools and teams. Highlights include:

- End-to-end visibility eliminates network blind spots
- Performance optimization across wide area networks (WANs), software-defined WANs (SD-WAN), Wi-Fi, data centers, remote sites, and hybrid or multi-cloud environments
- Flow and packet data workflows optimized for troubleshooting performance
- Visual analytics to identify trouble spots more quickly
- QoS monitoring for proactive troubleshooting of voice and video quality issues

The combined solution provides scalability, improves data center and WAN visibility, and accelerates troubleshooting and resolution of performance issues occurring in real time or the past.

LiveNX: Visual Analytics for a World-Class User Experience

Resolving complex incidents can be challenging when different systems, vendors, devices and software are involved. LiveAction's LiveNX network performance and analytics platform collects and analyzes both flow and packet data to optimize a rapid incident response workflow with alert notification and predictive insight.

LiveNX provides network-wide visibility on a single platform so you can troubleshoot the user experience anywhere incidents happen. The platform quickly identifies network optimization issues with end-to-end flow visualizations across your entire network from the core to the edge. Users gain deep understanding of application traffic with full visibility of protocol and application types including video, voice, instant messaging, and file transfers.
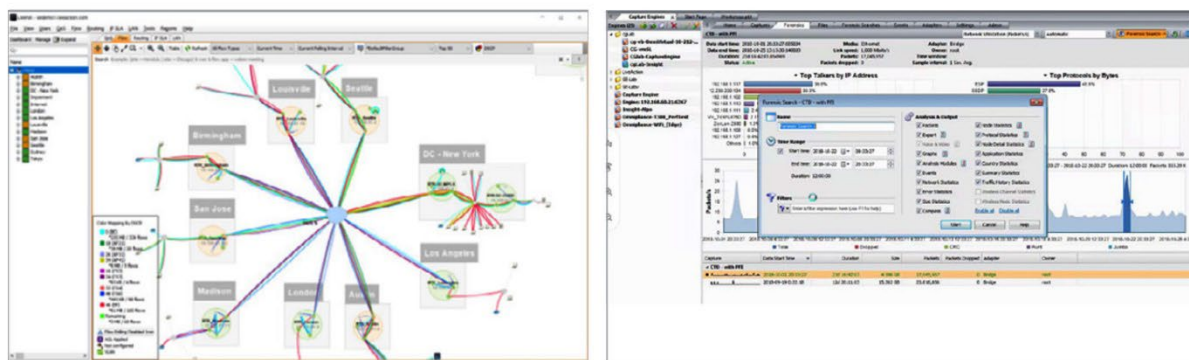
LiveNX features patented end-to-end visualization for a global view of the network and the ability to drill-down to individual devices.

LiveNX offers the ability to gather and analyze volumes of network data at scale from every device, application and user to reduce mean time to repair (MTTR). Providing both exploratory and explanatory analysis, the platform correlates multiple data sets to provide views, graphs and maps to illustrate the current state of applications and network performance.

Keysight: A Single Source for Network Data

Keysight provides LiveNX with the right data from the network by delivering both packets and enhanced NetFlow data. The combination makes it easier for NetOps teams to spot anomalies in flow data then drill down by examining packets to see exactly what's happening in your network.

LiveNX integrates with Keysight's Vision network packet brokers (NPBs) which aggregate, groom, and deliver packets from any network or cloud. Vision NPBs also provide LiveNX with Keysight's IxFlow enhanced NetFlow data featuring additional detail and insight about users, devices, location, and specific applications.

Keysight extends visibility to areas where NetFlow data might not be available or where turning on flow monitoring might compromise the performance of routers and other devices. Vision NPBs generate NetFlow records without sampling, delivering highly granular to LiveNX for storage and historical playback.

IxFlow integrates with LiveNX and LiveAction's LiveWire packet capture solution to let users quickly transition from flow analysis to packet analysis for forensic-level troubleshooting, using both real-time and historic playback data.
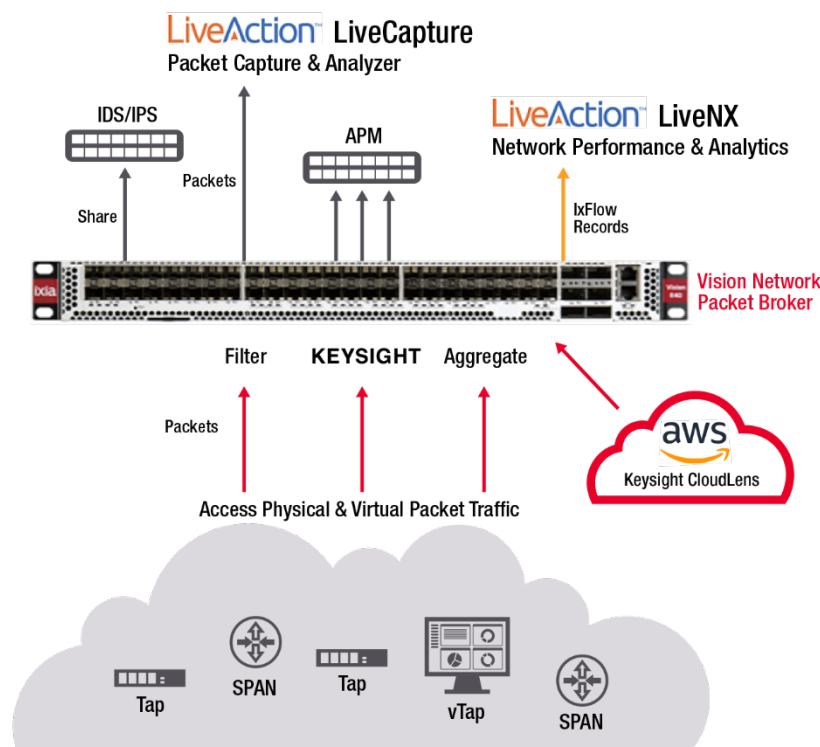
How it works: Keysight visibility solutions provide packet or enhance Netflow data from physical and virtual access points to LiveAction, simultaneously aggregating, filtering, and passing exactly the right data to each tool.

About LiveAction

LiveAction is #1 in network performance management, providing network professionals the situational insights needed to easily manage and control end-to-end performance of multi-domain, multi-vendor, and multi-cloud environments. LiveAction empowers network professionals to proactively identify, troubleshoot and resolve issues across vast hybrid environments, and to become more efficient by simplifying the management of cumbersome workflows.

Learn more and see why LiveAction delivers the best network performance management and diagnostic (NPMD) solution for your organization, visit www.liveaction.com

Learn more at: www.keysight.com

For more information on Keysight Technologies' products, applications or services, please contact your local Keysight office. The complete list is available at: www.keysight.com/find/contactus

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