

JOINT SOLUTION BRIEF

# Harness Network Intelligence to Optimize Performance and Security



Data center managers and security professionals need reliable data from their physical and virtual networks to manage performance and avoid risk. Combining Keysight network visibility with LiveAction solutions for network performance management (NPM) and security analysis overcomes modern operations teams' greatest challenges.

Keysight and LiveAction deliver:

- \ 100% visibility across enterprise networks with complete access to network, cloud, and data center traffic.
- \ Actionable analytics based on packet, flow, and rich metadata.
- \ Enhanced security with faster detection, investigations, incident response, and forensics.

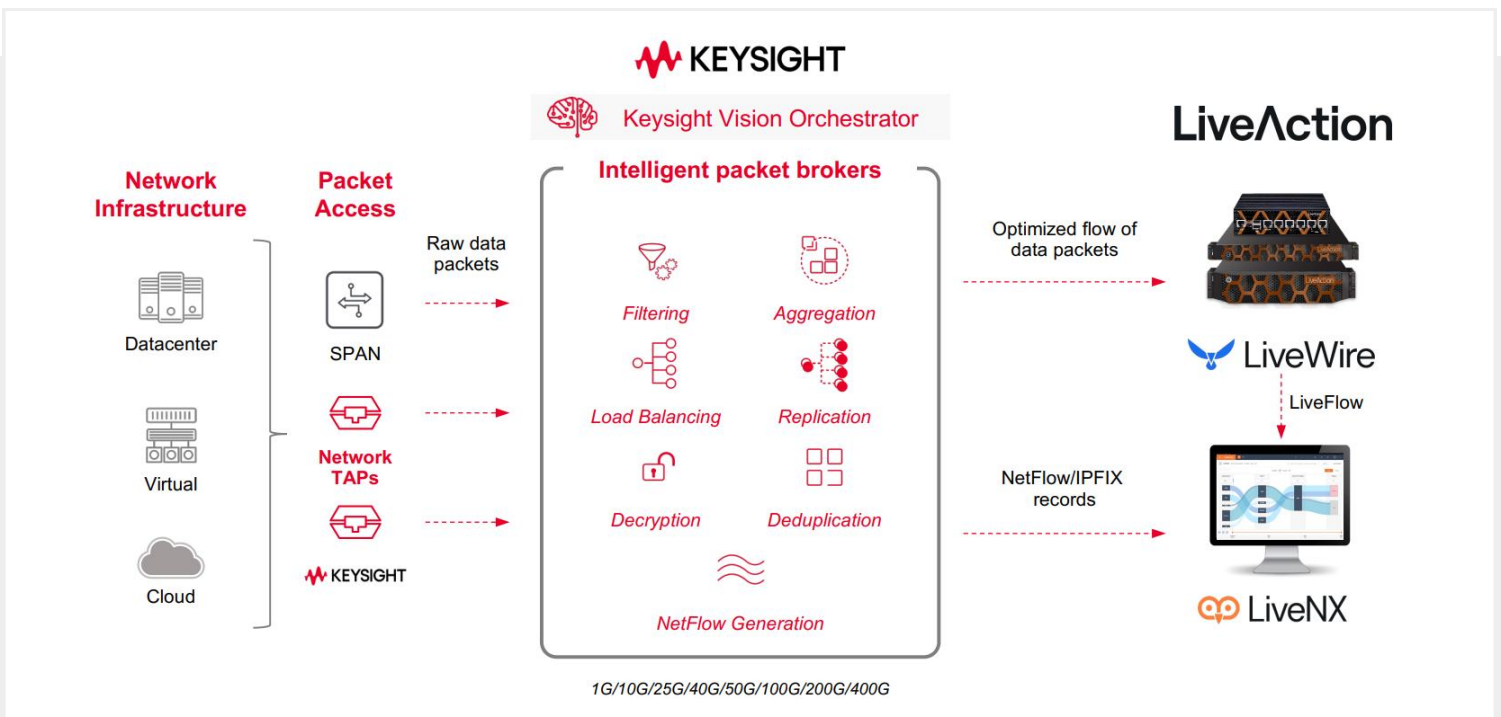
### Joint Solution Highlights

**Complete real time visibility** across data centers, networks, and cloud environments - no network blind spots!

**Optimize NPM scale and efficiency** with delivery of reliable network data to LiveAction's LiveNX and LiveWire solutions.

**Streamline monitoring and security workflows** for faster response, predictive analytics, and stronger compliance practices.

**Ensure networks meet business objectives** and reduces the overall cost of operations.



## Keysight Ensures Scalable, Efficient Access

Keysight's intelligent network visibility platform equips LiveAction's LiveWire packet capture and LiveNX NPM solutions with reliable, real-time access to physical, virtual, and cloud traffic. Keysight physical (copper, fiber, industrial) and virtual TAPs capture traffic anywhere in the network and forward it to Keysight purpose-built network packet brokers (NPBs) for processing and streamlined delivery to LiveAction solutions.

Operating out-of-band (OOB) between network access points and LiveAction solutions, Keysight NPBs:

- \ Aggregate traffic from multiple TAPs and switched port analyzer (SPAN) ports to eliminate unwieldy 1:1 connections that fail to scale.
- \ Process and optimize aggregated traffic by removing duplicate packets and filtering unnecessary data.
- \ Replicate, load balance and deliver pre-processed, analysis-ready data to LiveAction and other monitoring tools.
- \ Optimize the capacity and utilization of network performance management and security monitoring tools by sending precisely the right data to the right tools at the right time.

Keysight's Vision Orchestrator (KVO) acts as the central point of management, automation, and orchestration of all Keysight visibility solutions to enable scale and industry-best ease of use.

## LiveAction Maximizes Network Intelligence

LiveAction's LiveNX Enterprise Network Management Software Platform and LiveWire packet capture and analysis equips companies to manage large, complex networks with ease. LiveAction solutions deliver continuous insight into network traffic that enables real-time analysis at scale:

- \ LiveWire virtual and physical appliances extend scalable real-time packet analysis to data centers, WAN edge, the cloud, and remote sites.
- \ The LiveNX network and application performance monitoring platform provides patented, end-to-end visualization for a global view of the network and drill-down insight into individual devices.

Together, Keysight and LiveAction streamline the collection, correlation, and presentation of data Network Management teams need to plan, deploy, maintain, and troubleshoot modern networks.

## Joint Solution Benefits: Visibility, Uptime, Resilience

### Deliver 100% Visibility to NetOps and SecOps

Ensure complete, holistic visibility across your data centers, edge, cloud deployments, and remote or branch sites. Highly performant and simple to use packet capture helps network and security teams to automatically identify issues from Layer 2 to Layer 7 to optimize the performance of networks, applications, VoIP, and Wi-Fi infrastructures.

### Troubleshoot Application and Network Performance - and Respond to Security Incidents - Faster

LiveAction's performance-based telemetry helps detect when application performance drifts outside of SLAs. Access a packet-level history of network activity to examine the specific packets associated with monitoring and security alerts. Telemetry flow data and forensic packet search workflows uncover the root cause of issues faster.

### Optimize Operations and Tool Performance

LiveAction and Keysight streamline day-to-day operations with optimized configurations and ease of use. Highly intuitive user interfaces (UIs) allow network management teams to move from global views to drill-down analysis of traffic and network performance.

### Leverage Analytics to Strengthen Security and Compliance

Leverage network packets - the single source of truth - to investigate, document, and report on issues for routine reporting, compliance audits, detailed investigations, and cyber liability insurance requirements. Record network packets to determine the fingerprint and extent of breaches and perform forensic searches on terabytes of data without disrupting high-speed storage.

## LiveAction

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LiveAction's Network Intelligence platform transforms complex data into actionable insights, providing organizations with a comprehensive view of their network, from network and application performance to security. Enterprise teams can rapidly take action to resolve network issues at scale, accelerate threat response, increase employee productivity, and reduce business risk.

Unleash Your Network's Potential. See Clearly. Act Swiftly.

To learn more and see how LiveAction delivers unmatched network visibility for network and cloud teams, visit [www.liveaction.com](http://www.liveaction.com)