APCON

APCON & LiveAction Solution:

Network Security & Performance Through 100% Visibility

APCON

LiveAction

OVERVIEW

Large enterprise networks seek out ways to simplify monitoring processes. LiveAction offers the know-how to manage network performance in these large-scale data centers. By deploying the APCON IntellaView Platform to capture and intelligently route voluminous packet flows of network traffic, LiveAction LiveNX and LiveWire provide the tools to monitor, analyze, and troubleshoot network performance in enterprise IT environments. LiveAction users realize benefits in both monitoring and service.

Hybrid WAN/SD-WAN Monitoring and Service Assurance is provided by LiveAction in several ways:

- Application Performance and Troubleshooting
- Voice and Video Optimization
- Comprehensive Packet Analytics for Multi-Domain
- Cloud Monitoring
- QoS Configuration and Validation
- Root Cause Analysis
- Capacity Planning and WAN Bandwidth Management

Combined Capabilities of APCON + LiveAction Solutions

- Establish full support of real-time visibility and expert analysis of the data center and cloud environments
- Get a deep understanding of application traffic across the network
- Generate NetFlow/IPFIX from any traffic flow to lessen the processing load on network devices
- Integrate with APCON Application Intelligence powered by deep packet inspection (DPI) to help monitor and manage complex, digital, and AI applications
- Identify packet-level data to mask confidential information that matches a preset parameter to meet industry regulations
- Services like aggregation, deduplication, filtering, and offloading packet processing provide LiveAction an optimized data source to ingest packets and accurately represent network flows

THE CHALLENGE AND SOLUTION

Business-critical applications always need to be protected and not impacted by less critical traffic while ensuring security. When there is an application performance problem, 90 percent of the time is spent identifying the root cause as opposed to fixing the problem, and this gets harder with hybrid monitoring deployments.

LiveAction provides full network visibility to better inform NetOps and SecOps as they drive critical decisions for performance and threat response, and reduces the overall cost of network and security operations. LiveAction empowers network and security professionals to proactively and quickly identify, troubleshoot, and resolve issues across increasingly large and complex networks.

LiveAction's LiveNX network, combined with APCON's IntellaView platform and with LiveWire's packet capture and analysis, provides effective visibility and actionable insights to optimize your network for business application delivery.

JOINT SOLUTION VISIBILITY OPTIONS

APCON's IntellaView platform, combined with LiveAction's network intelligence and analytics platform, provides effective visibility and smart analysis to optimize application delivery. This joint solution can provide full packet analytics and visibility into network areas where data flows aren't available or packets are only available as sampled. The solution empowers two visibility options:

Flow-Based and Packet-Based: LiveAction LiveNX can provide granular flow analysis and visibility across multiple domains in a multi-vendor environment. APCON IntellaView generates NetFlow and application metadata without sampling and provides that data to LiveNX for real-time and historical analysis.

LiveAction also allows for simple workflows from flow data to deep packet analysis. LiveAction LiveWire physical and virtual appliances extend visibility with advanced visual analysis of network, application, and VoIP issues at data centers, public clouds, WAN links, and remote sites and branches. APCON's IntellaView platform directs only the traffic of interest to LiveWire analyzers to provide deep observability and troubleshooting of the network environment.

KEY FEATURES OF APCON'S INTELLAVIEW PLATFORM:

Send filtered and optimized traffic only to relevant tools

Easy access to traffic from any network environment

Load balancing to spread traffic across multiple devices

Robust traffic aggregation for any use case

Metadata generation for enhanced application visibility

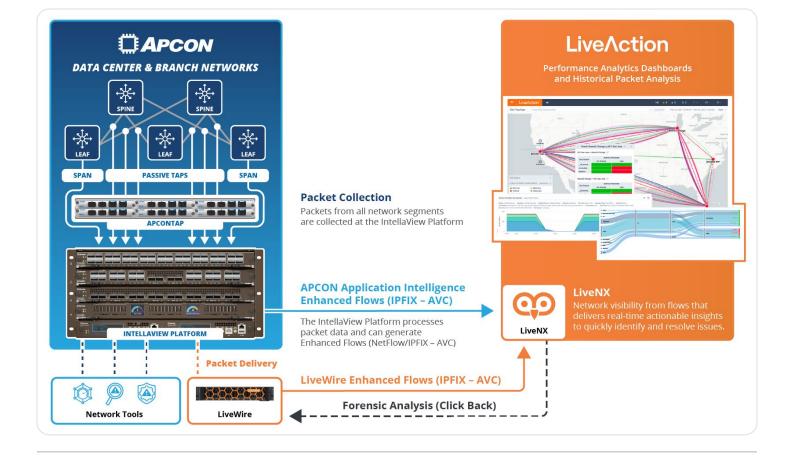**Packet deduplication**

Masking for security/compliance

Increased efficiency with packet & flow slicing

HOW THE JOINT SOLUTION WORKS

The APCON IntellaView platform feeds LiveAction LiveWire network traffic as packets and continual NetFlow/metadata records to LiveNX. Network traffic from TAP and SPAN ports is sent to the APCON IntellaView platform. The user specifies which traffic to monitor, and the APCON IntellaView platform passes packets and generates NetFlow/IPFIX records which can be analyzed by LiveAction.

LiveAction uses packet capture analysis with advanced technologies, such as deep packet inspection (DPI)-based application visibility and SD-WAN and hybrid monitoring to provide an effective monitoring solution in the area of application network performance. It uses SNMP to monitor device health, QoS, and other technologies. It leverages APIs from SD-WAN and other fabrics to verify performance and network intent. It can also connect with IT service management (ITSM) solutions like ServiceNow for full operational excellence. It uses flow data (IPFIX and NetFlow) for advanced application and network performance monitoring, conversational data, and the APCON IntellaView platform with Application Intelligence.

Employing a variety of data sources, LiveAction visualizes packets and flows across your network topology so you can understand what is happening in your network and the impact on application performance. To learn more about LiveAction solutions, visit **www.liveaction.com**.

APCON
DATA CENTER & BRANCH NETWORKS

SPINE   SPINE
LEAF   LEAF   LEAF
SPAN   PASSIVE TAPS   SPAN
APCONTAP
INTELLAVIEW PLATFORM

Network Tools   **LiveWire**

Packet Delivery

Packet Collection
Packets from all network segments are collected at the IntellaView Platform

APCON Application Intelligence Enhanced Flows (IPFIX – AVC)
The IntellaView Platform processes packet data and can generate Enhanced Flows (NetFlow/IPFIX – AVC)

LiveWire Enhanced Flows (IPFIX – AVC)

Forensic Analysis (Click Back)

LiveAction
Performance Analytics Dashboards and Historical Packet Analysis

LiveNX
Network visibility from flows that delivers real-time actionable insights to quickly identify and resolve issues.

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