

# OPTIMIZE AND SECURE DIGITAL EXPERIENCES

Best-in-class Flow and Packet Analysis for Enterprise Network Insights

## CHALLENGE

### INCREASING SERVICE AND SECURITY DEMANDS FOR COMPLEX NETWORK INFRASTRUCTURES

Infrastructures that deliver critical business services are large, complex, dynamic and orchestrated with an intricate set of quality of service (QoS) policies to deliver a quality user experience. Businesses today face:

- Reactive and lengthy mean times to resolution of degradation or outages
- Inconsistent user experiences
- Higher risk of cyber attack

As the fabric for the business, the network is often the first point of blame and the onus lies with network teams to identify the source of multi-faceted issues. Already being asked to do more with less, network teams are challenged by:

- Limited visibility across diverse applications and infrastructure
- Inconsistent network policies and service profiles
- Inadequate granularity to pinpoint root cause

They often must rely upon siloed monitoring and analysis tools and fragmented investigative workflows. Productivity declines, as network teams shoulder the burden of manually correlating across different types of analyses (network traffic flow analysis, packet-based analysis, etc.), further complicating their ability to assure delivery and security of applications.

## SOLUTION OVERVIEW

### COMPREHENSIVE VISIBILITY TO NETWORK AND APPLICATION PERFORMANCE

Corvil and LiveAction have partnered to provide greater breadth and depth of visibility to network teams to better enable them to:

- Optimize digital experiences for their company's customers, partners and employees
- Strengthen cybersecurity protection of business data, users and processes
- Improve productivity and efficiency

The partnership between Corvil and LiveAction provides businesses with increased visibility into their IT networks, along with deeper analytic insights and stronger cybersecurity. Together, the platforms deliver insights from multiple network flow sources and packet-level data. This provides customers with complete visibility and enhanced device management capabilities across global networks. From this, they offer a deeper view into the indicators of compromise, users, devices, services, and application details necessary to effectively drive today's businesses.

## HIGHLIGHTS

- Advanced analytics from network flow and packet data
- Innovative enterprise visualization
- Application and business transaction visibility
- Suspect host and user visibility
- Quality of Service control
- Network forensics and flow replay
- Continuous and targeted packet capture
- Seamless workflows

“Optimizing the delivery of business services across large, complex infrastructures requires rich insights across multiple data sets. Corvil's partnership with LiveAction is a perfect example of what's needed to provide yet more robust depth and insight to this very multi-dimensional challenge.”



## KEY CAPABILITIES

### End-to-End Flow Visualizations

Interactive network topology visualizations display traffic flows and the network devices that communicate those flows across your network. Visualize trouble spots on the network for a better understanding of traffic patterns.

### Deeper Insights for Troubleshooting

Additional root-cause diagnosis of complex infrastructure and application problems through continuous L2-L7 analysis provides micro-level network visibility and forensics, operations analytics, and cyber surveillance of users, infrastructure, applications, and services. Insight into middleware, storage, and application calls better empowers network teams to find the cause of issues faster.

### Business Transaction and User Insights

Deep content inspection enables more granular tracking of business transactions as they cross network hops and application protocol changes. This analysis can facilitate even more powerful business-oriented visualizations, ultimately enabling the networking team to more nimbly search for and troubleshoot business transactions by type, business user, location, and other business-relevant classifications.

### Extended QoS Controls and Capacity Planning

Create, edit and apply QoS policies for Cisco routers and Layer 3 switches on live networks consistently and confidently. QoS templates are available to apply policies based on Cisco best practices or use the QoS GUI editor to build custom policies. By enhancing this information with Corvil's microburst visibility, the solution allows managers to break the second barrier to better inform capacity management.

### Live and Retrospective Security and Compliance Analysis

Understand how an infection may have spread through the network by combining Corvil's ability to pinpoint riskiest hosts with LiveAction's ability to provide a complete picture of how that host has been communicating on the network. Continuous packet capture and flow replay capabilities further provide a comprehensive forensic record for analysis.

## OUTCOMES

- Faster and more comprehensive detection and diagnosis of performance issues
- Improved user and digital experiences
- Improved detection, investigation, and response to security events
- Improved operational productivity



LiveAction simplifies the network for better digital experiences by providing continuous insight, service assurance and control of enterprise networks. Our award-winning network performance analytics platform, LiveNX, offers a deep understanding of networks and applies situational awareness to accelerate employee productivity and boost customer satisfaction.



Corvil is the industry leader for deriving IT, Security, and Business intelligence from network data. As companies adopt faster and smarter machine technology, it becomes critical to tap into richer and more granular machine data sources to safeguard the transparency, performance and security of critical infrastructure and business applications. The Corvil streaming analytics platform captures, decodes, and learns from network data on the fly, transforming it into machine-time intelligence for network, IT, security and business teams to operate efficiently and securely in this new machine world. Corvil uses an open architecture to integrate the power of its network data analytics with the overall IT ecosystem providing increased automation and greater operational and business value outcomes for its users. The Corvil solution is trusted by leading financial institutions to safeguard their businesses across the globe involving 354 trillion messages with a daily transaction value in excess of \$1 trillion.