

# Unified Monitoring for Fortinet SD-WAN

Fortinet and LiveAction have come together to integrate Fortinet Secure SD-WAN with LiveAction LiveNX for broad, multi-vendor enterprise network monitoring.

## The Challenge

Software-Defined Wide Area Networking (SD-WAN) has emerged as a game changer for distributed networks to address the demands of digital transformation happening across many organizations today.

To support emerging architectures without compromising user experience or straining resources, IT leaders need clear migration paths that de-risk the adoption and governance of the latest technologies. Integrated, validated, and easy-to-use solutions that simplify the management of increasingly complex networks and extend network technology investments have high value in today's enterprise environment.

## The Solution

As more organizations look to SD-WAN for improved network performance and reduced communication costs across their distributed networks, IT professionals need advanced performance and analytics capabilities to gain insights into performance, path routing, and traffic management complexities to ensure this key initiative is a success.

Plan, verify, and operate your Fortinet SD-WAN successfully with LiveAction's LiveNX performance and analytics platform. LiveNX integrates with Fortinet SD-WAN to ensure key application performance is baselined, and network policies and configurations deliver the targeted application behavior.

### DAY 0: Plan

While network migration is not a blank-slate exercise, it does afford an opportunity to perform an audit of applications, sites, service provider transports resources, and policies with a view to tailoring the new network to your specific business needs.

#### Pre SD-WAN – Network Understanding for Policy Creation:

- Migration away from traditional WAN, or legacy, first generation SD-WAN
- Benchmark application performance
- Identify business critical applications, including cloud applications deployed without the IT team's knowledge (Shadow IT)

### DAY 1: Verify

During the production build out, a proof of concept is rolled out to active users. Once connectivity is established based on the Day 0 baseline design, you can visually verify Fortinet SD-WAN performance SLAs, service provider transports, sites, devices, interfaces, and applications. This can be a labor-intensive, error-prone task and significant troubleshooting is often required to stabilize the configuration.

#### Day 1 - Validating Policy/Intent

- Verify policy intent
- Visibility into applications, service providers, routes, flows, and sites

### DAY 2: Operate

Once the production network is live, ongoing day-to-day operations must focus on continual improvements and best practices. LiveNX delivers the data, dashboards, and reports for application and network performance to optimize the end-to-end environment.

#### Day 2 - Operations

- Multi-vendor and multi-telemetry NOC operations
- Ongoing performance analysis
- Faster MTTR diagnostics – granular flow/ performance/application visibility
- WAN capacity planning and prediction

## Benefits

### Immediate ROI on Deployment

LiveNX users have cut SD-WAN rollout time by up to 70 percent, experienced a 5x increase in bandwidth efficiency, and cut costs by 70 percent. Historical DVR-like playback of network and application events helps you quickly identify root cause of configuration and interoperability issues.

### Improved Productivity

LiveNX helps you quickly identify the location and nature of performance issues, helping you eliminate potential sources of delay or congestion before becoming a problem and helping optimize application performance across WAN links.

### Reduce OpEx and CapEx

Accelerate problem identification, troubleshooting, diagnosis, and resolution by up to 20 percent. Use automation to eliminate the time and effort associated with manual configuration and maintenance and quickly cut through finger pointing between vendors with end-to-end visibility. LiveNX's network intelligence reduces tool cost up to 30 percent.

### Eliminate Costly Downtime

Use our Day 0 capabilities to proactively plan capacity, resolving problems before they occur. Avoid bandwidth depletion by baselining performance thresholds and set alerts to notify the relevant parties when additional capacity is needed. Reduce MTTR with end-to-end flow status at-a-glance, eliminating up to 90 percent of troubleshooting time. Get visibility into very high rate IPFIX and NetFlow that breaks other management tools.