

**SOLUTION BRIEF**

# Fortinet and LiveAction Integrated Solution

## Advanced reporting, analytics, and monitoring for network and application performance

### Executive Summary

Fortinet and LiveAction have partnered to deliver an industry-leading reporting solution by integrating the Fortinet FortiGate Next-Generation Firewall (NGFW) and LiveAction LiveNX platform to provide enterprises with full, real-time visibility of their network and applications.

### Challenge:

Enterprises embracing digital acceleration must digitalize their business models driven by applications on-demand and network flexibility, while maintaining a high level of security. IT teams must deliver an expected level of application performance without impacting security. Failures negatively impact employee productivity, product, and service functionality, customer satisfaction, and inevitably, revenue. Downtime can cost companies an average of \$300,000 an hour in lost revenue and productivity.

Fortinet and LiveAction have established a technology partnership to provide organizations an extra layer of end-to-end reporting.

### Joint Solution

Fortinet and LiveAction have partnered to deliver an industry-leading security solution to address these challenges. The integration of the LiveAction products and FortiGate NGFW, enabled through the Fabric-Ready Partner Program in the Fortinet Open Ecosystem, delivers unparalleled visibility and security for LAN/WAN/SD-WAN deployments.

The partnership enables an effective LAN, DC, WAN, and SD-WAN network troubleshooting workflow with:

1. Problem identification and fault isolation: via correlation of tickets, real-time dashboards, maps, alerts, and reports.
2. Root-cause analysis: with operations leveraging the reporting solution to identify the network issue or the application issue by being able to analyze from the flows to the packets.
3. Problem remediation with the integrated solution: fixing the root issue is relatively straightforward and may involve a configuration change, a link connectivity repair, a capacity upgrade, etc.
4. Control: network managers must validate that a change resolved the problem. They can verify the efficacy of the change through the dashboard's views.
5. AIOps (artificial intelligence for IT operations): capacity planning and trend analysis.

### Solution Components

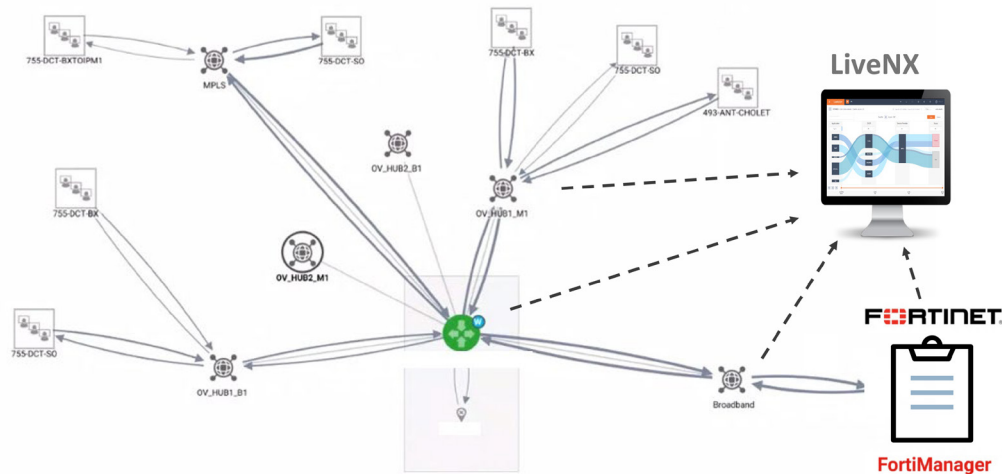
- Fortinet FortiGate NGFW
- LiveAction LiveNX
- LiveAction LiveWire
- FortiManager

### Solution Benefits

- Monitor and deploy your FortiGate NGFW and Fortinet Secure SD-WAN network.
- Visualize end-to-end application performance.
- Troubleshoot applications from packet level up to Layer 7.
- Reduce mean time to remediation (MTTR).
- Customize your reporting to help the IT organization.



Fortinet Secure SD-WAN replaces separate WAN routers, WAN optimization, and security devices such as firewalls and secure web gateways (SWGs) with a single FortiGate NGFW. This provides industry-best performance with capabilities that include application awareness, automated path intelligence, and WAN overlay support for VPN. Fortinet Secure SD-WAN delivers security-driven networking for branch networks with outstanding performance enabled by fast application identification and automated path intelligence.



The FortiGate NGFW delivers integrated SD-WAN networking and security capabilities in a single system. The integration with LiveNX delivers an all-in-one, completely customizable solution for:

- Application performance visibility across different network paths
- Quality-of-service visibility, mapped with DSCP (differentiated services code point) coloring
- Network usage visibility, including bandwidth, volumes, and load
- Device performance, such as hardware indicators, interface usage, etc.
- SLA visibility, including SLA-class reports, site availabilities, and capacity planning
- Monitor the SLA per Fortinet Secure SD-WAN rules and sites
- Topology visualization for end-to-end monitoring of all applications

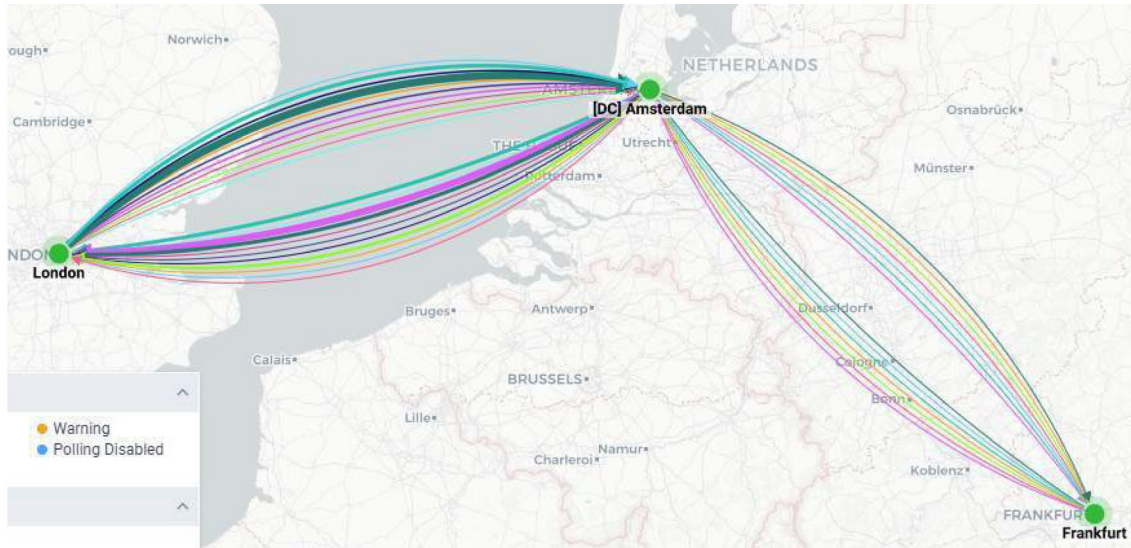
The addition of LiveWire in the solution, with virtual and physical application visibility probes connected to the FortiGate NGFW, provides Layer-7 level analysis of application traffic, thanks to the storage and analysis of packet-level information:

- Capture packet data from virtually anywhere in the network.
- Easily and quickly troubleshoot applications, including VoIP and video, using deep forensic analysis.
- Analyze application performance per session.

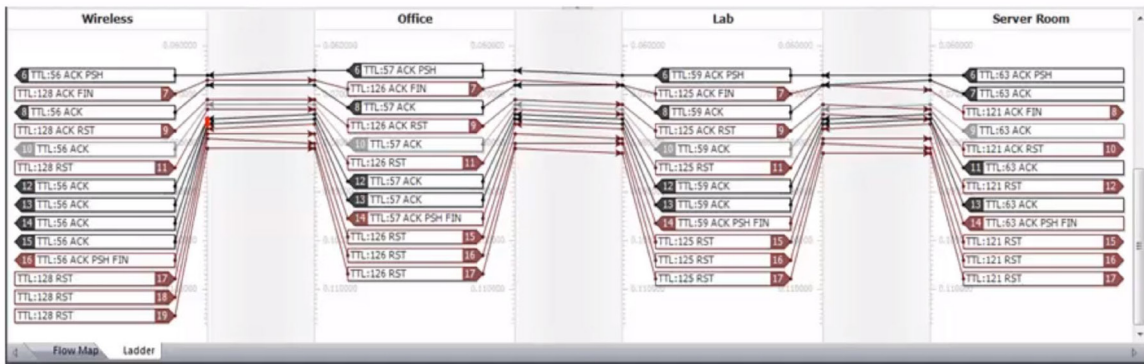
### Solution integration

The FortiGate NGFW analyzes the flows with its DPI (deep packet inspection) engine and routes the applications optimally and efficiently according to the policy rules. The FortiManager aggregates all performance metrics of the networks managed by the FortiGates. The LiveNX solution then collects all useful information in real time from the orchestrator and from the FortiGate NGFWs (via SNMP and NetFlow).

The data is processed and stored long term in the LiveNX solution. The results are presented in several formats such as reports, dashboards, topologies, stories, and alarms.



Topological maps with applications view



Fortinet and LiveAction integrated solution

## Solution Use Cases

1. SD-WAN deployment: Provides an advanced reporting and analytics solution, leveraging all capabilities and benefits of the Fortinet Secure SD-WAN solution.
2. Troubleshooting Application Performance: Monitor every packet and analyze each network transaction to accelerate and optimize application end-to-end performance.
3. NPMD (network performance monitoring and diagnostics): Leverage the FortiGate DPI engine and its integration with LiveAction solutions to visualize all your application indicators: users, volumes, projections, trends, and adoption per region, etc.

## Market proofed

LiveAction is proud to support more than 20,000 customers on their reporting journey. Many of them have already deployed an integrated Fortinet/LiveAction solution for SD-WAN or legacy WAN. Please don't hesitate to contact us for any customer references.



## About LiveAction

LiveAction provides end-to-end visibility into network and application performance from a single pane of glass. This gives enterprises confidence that the network is meeting business objectives, offers IT administrators full visibility for better decision making, and reduces the overall cost of operations. By unifying and simplifying the collection, correlation and presentation of network and application data, LiveAction empowers network professionals to proactively and quickly identify, troubleshoot, and resolve issues across increasingly large and complex networks. To learn more and see how LiveAction delivers unmatched network visibility, visit <https://www.liveaction.com>



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