LiveNX

Network visibility and verification for Cisco DNA, SD-WAN, WAN, SD-Access, Cisco DNA Center

LiveNX – network performance monitoring and diagnostics platform

Visual analytics for Cisco DNA Center™

Unified monitoring for Cisco® SD-WAN

Core capabilities

Benefits to the bottom line

LiveNX modules: LiveUX, LiveInsight, LiveAgent

Customer successes

Simplify your network today

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To support emerging, software-defined, and multicloud architectures without compromising user experience or straining resources, IT leaders need clearer performance visibility and a greater understanding of the enterprise network in order to reduce the risks of adoption and governance of the latest technologies.

LiveAction’s LiveNX leverages Cisco technologies to visualize application performance across the network for rapid troubleshooting and accelerated deployment of SD-WAN.

It collects, aggregates, and correlates network performance telemetry from NetFlow, Simple Network Management Protocol (SNMP), and IPFIX. It also provides historical playback of network data and delivers continuous insights on network performance to reduce troubleshooting and improve a user’s experience.

Key features:
- Unified performance monitoring for SD-WAN planning, deployment, and operations
- QoS monitoring and management
- Configurable dashboards for NetOps teams
- Event-to-alert mapping
- Fast Lane reporting
- Voice, video, and UC troubleshooting
- Capacity planning reports and workflows
- Service management integration with ServiceNow and PagerDuty
- Flexible deployment with Amazon Web Services and Microsoft Azure
- Cisco Identity Services Engine integration
Digital transformation and other initiatives place greater requirements on the network, demanding greater visibility into its performance and policy compliance.

LiveNX simplifies network management and performance monitoring for Cisco’s DNA Center.

It provides in-depth visual analytics of the entire network by integrating with Cisco DNA Center’s open APIs. It collects network telemetry data from Cisco DNA Center and network devices, and uses collected data to provide insights to plan, diagnose, and optimize the environment to deliver application assurances.
Unified monitoring for Cisco SD-WAN

SD-WAN has emerged as a game changer for distributed networks to address the demands of digital transformation. Successfully migrating a legacy network to SD-WAN or a hybrid network requires greater insight into network performance, quality of service (QoS) policies, path routing, and traffic management.

LiveNX integrates with all Cisco SD-WAN solutions to help ensure that key application performance is baselined, and network policies and configurations deliver the targeted application behavior. Network topology maps enable NetOps teams to view top application traffic, performance, and bandwidth, and also report on pre- and post-environments for initiative status.

- See application behavior for situational awareness
- Predict problems before they occur
- Verify policies with historical traffic playback
Core capabilities:

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<thead>
<tr>
<th>Feature</th>
<th>Description</th>
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<tr>
<td>Flow visualization</td>
<td>Allows you to better understand network traffic to identify trouble spots.</td>
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<tr>
<td>Cisco SD-WAN support (Viptela)</td>
<td>Consolidates and unifies path routing, analysis, reporting, inventory, and alert notifications.</td>
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<td>The QoS wizard and built-in templates</td>
<td>Help you apply policies across multiple devices based on Cisco best practices, or use the QoS GUI editor to build your own policies.</td>
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<td>Cisco IWAN support</td>
<td>Includes performance routing configuration of multiple master controllers, automatically learned semantic settings for monitoring, and support for multiple data centers.</td>
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<td>Tracking QoS performance</td>
<td>Provides proactive notification of potential voice quality issues.</td>
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<tr>
<td>The Spanning Tree Protocol</td>
<td>Provides Layer 2 visualization, including trunk interface, port channels, VLAN associations, and bandwidth percentages.</td>
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<td>Routing visualizations</td>
<td>Can help identify reachability problems, routing loops, and asymmetric paths that could affect traffic quality.</td>
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<tr>
<td>Access to CISCO IOS® IP SLA</td>
<td>Helps you to generate and monitor synthetic network traffic to baseline performance, test policy changes, or proactively monitor key network paths.</td>
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Benefits to the bottom line

Realize immediate ROI on deployment
- Reduce rollout time with an easy-to-deploy solution
- Increase bandwidth and efficiency and reduce costs
- Identify the root cause of issues quickly with historical playback of traffic that correlates network and application events

Reduce OpEx and CapEx
- Accelerate problem identification, troubleshooting, diagnosis, and resolution
- Reduce time and effort devoted to manual configuration and maintenance
- Reduce tool costs with this software-based platform

Improve productivity
- Quickly identify the location and nature of performance issues and respond instantly
- Eliminate potential sources of delay or congestion before they become a problem
- Optimize application performance across WAN links

Eliminate costly downtime
- Use network device deployment capabilities to proactively plan capacity requirements, resolving issues before they occur
- Avoid bandwidth depletion by baselining performance thresholds and setting alerts for when additional capacity is needed
- Reduce troubleshooting time with comprehensive flow status
LiveNX modules: LiveUX, LiveInsight, LiveAgent

**LiveUX**
Cloud application monitoring

LiveUX monitors end-user experience of web applications deployed in any cloud over any network, from the traditional network to the state-of-the-art SDN network. You can gain insight into the availability and performance of any web-based application anywhere to address issues before they impact users.

Correlating end-user experience and network information through integration with LiveNX application-aware network performance monitoring accelerates problem resolution and significantly simplifies your application performance-monitoring challenges.

**LiveInsight**
Machine learning for network insights

LiveInsight utilizes machine learning, continuously identifying patterns and insights from customer metadata, to provide “human-in-the-loop” interaction.

LiveInsight enables you to train the system to know what knowledge to prioritize and to control your network environment.

The learnings are presented to the engineering and operations teams as insights.

These insights are context relevant to the network situation, such as application bandwidth anomaly, path change detection, and detection of a possible new application on the network.

**LiveAgent**
Endpoint visibility

LiveAgent extends the reach of the LiveNX platform all the way from the cloud through the data center to an endpoint server, VM, or container.

LiveAgent gathers endpoint information on system resources for a comprehensive view of the enterprise network perimeter.
Customer successes

“Ultimately, LiveAction’s solutions help us deliver a high-quality end-user experience and increase the return on our voice, video conferencing, and collaboration investments.”

John Rockwell
Manager of IT Network Services
Southern Star Central Gas Pipeline

“If I had to do it with just command lines and show statements, I would still be wondering if I did it right. With LiveNX, I don’t have to rely on the CLI. I have never seen any other product that can do this.”

Joe Daniels
Sr. Staff Network Analyst
Allscripts

“LiveNX simplifies the process for creating and implementing QoS policies and it also prevents errors.”

Xavier Chapparo
Network Engineer
National Surgical Healthcare

“LiveNX’s visual representation helps us pinpoint the location of a network incident that’s affecting the user experience in just minutes.”

William Bordeau
Systems Administrator
Boxwood Online Career Center
Simplify your network today

Cisco SD-WAN

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