

LiveNX

AI-powered network observability and intelligence platform

The challenge: Interpreting data to manage networks

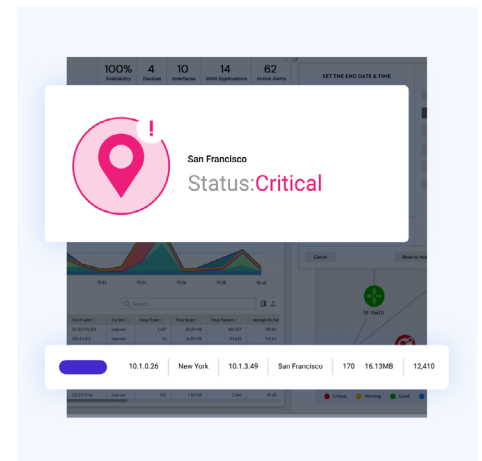
Network teams must plan, deploy, upgrade, maintain, troubleshoot, and monitor increasingly complex network environments spanning on-premises, cloud, and remote sites. These activities are highly data-driven and rely on the accurate interpretation of information coming from applications, devices, and traffic flows. As networks grow in scale and diversity, network teams are often inundated with data, making it harder to isolate issues quickly and ensure reliable performance across the enterprise.

The solution: LiveNX

BlueCat LiveNX is an AI-powered network observability and operational intelligence platform that provides end-to-end visualization, allowing enterprises to move seamlessly from a global view to a specific location, a single hop, or even an individual packet. By unifying flow analytics, telemetry, infrastructure monitoring, and troubleshooting workflows into a single operational experience, LiveNX delivers real-time, continuous insight into network traffic based on application and user activity. This enables network teams to establish baselines, detect anomalies, accelerate root-cause analysis, and resolve issues quickly.

By gathering and correlating data from every device, application, and user, LiveNX helps reduce mean time to resolution (MTTR) while simplifying troubleshooting across multi-vendor and multi-domain environments. With LiveNX, enterprises can manage complex hybrid and multicloud networks through automation, AI-driven insights, and unified operational visibility. It simplifies the collection, correlation, and presentation of application, infrastructure, and network data, providing actionable intelligence in real time so teams can resolve issues faster, reduce operational noise, and optimize network performance.

Add-on capabilities further extend LiveNX's value by delivering deeper visibility into the health and behavior of network devices across hybrid environments and providing AI-powered operational assistance through natural language interactions and guided troubleshooting workflows.



Benefits

- ✓ **Unified data on a single platform**
 - Correlate multiple data sets to generate views, graphs, and maps that illustrate the current state of applications and network performance.
 - Gain visibility across underlays, overlays, tunnels, and multicloud deployments (AWS, Azure, etc.), with automated device discovery and inventory creation.
- ✓ **Application monitoring and troubleshooting**
 - Establish baselines with real-time flow data capture and predictive analysis.
 - Quickly resolve complex incidents across multi-vendor and multi-domain environments with streamlined incident response workflows.
- ✓ **Network performance monitoring**

- Visualize devices, applications, VPNs, and users.
- Overlay performance data onto network topology for a clear operational picture and baseline performance trends.
- Monitor SD-WAN, high-availability systems, tunnels, load balancers, and virtualized infrastructure from a unified operational view.
- Receive alerts and SNMP traps across supported infrastructure devices.
- Correlate infrastructure telemetry with flow analytics to accelerate troubleshooting.



Custom operational dashboards

- Create dashboards with point-and-click widget creation.
- Build role-specific views for operations, engineering, and executives.
- Visualize telemetry, performance, and infrastructure health without external dashboard tools.
- Reduce reliance on custom Grafana and Kibana environments.



Integrated flow and packet-level analysis

- Perform end-to-end path analysis, drill down from flow visualization to packet-level detail, and accelerate root cause analysis with optimized workflows.



Monitoring, alerting, and management

- Get real-time visualization of quality of service (QoS) anomalies, traffic classification issues, and Cisco QoS metrics such as queues, thresholds, and dropped traffic.
- Get support for detailed IP telephony monitoring for voice quality.
- Validate WAN and SD-WAN performance across multi-vendor environments with application and path visualization.

Available add-ons

Network Resource Monitoring – Extends LiveNX with infrastructure monitoring, alerting, and operational telemetry across routers, switches, firewalls, wireless infrastructure, load balancers, SD-WAN environments, tunnels, virtual systems, and hybrid cloud networks.

LiveAssist – An AI-powered virtual engineer for NetOps that delivers conversational troubleshooting, operational insights, intelligent alert analysis, root-cause assistance, and cross-domain visibility across the Network Observability portfolio.

LiveWire – Integrates with LiveNX to extend network monitoring and application troubleshooting to remote sites and branches, the WAN edge, and data centers with high-performance packet capture and analysis.

LiveNCA (Network Configuration Automation) – Integrates automated device discovery for a comprehensive multi-vendor asset inventory repository.

Security Insights – Transforms LiveNX and LiveWire flow and packet data across the data center, cloud, and edge into real-time intelligence that enriches SIEM and extended detection and response tools.

Features



Unified visibility

Correlate flow, telemetry, infrastructure, and application data in a single operational platform.



Accelerate troubleshooting

Move from dashboards to telemetry, paths, flows, and packets to identify root causes faster.



Optimize performance

Proactively identify, troubleshoot, and resolve network and application performance issues to speed up time to repair, avoid costly downtime, and meet business needs.



AI-assisted operations

Leverage LiveAssist to streamline investigations, surface insights, and improve operational efficiency.



Operational Health Index

Gain an automated assessment of your overall network health score. By combining multiple performance and operational indicators into an interactive health model, it helps teams quickly identify emerging issues, understand what is driving degraded conditions, and take focused action before users and services are impacted.

Learn more about [LiveNX's technical specifications](#).

BlueCat's Intelligent Network Operations (NetOps) solutions provide the analytics and intelligence needed to enable, optimize, and secure the network to achieve business goals. With an Intelligent NetOps suite, organizations can more easily change and modernize the network as business requirements demand.

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Next steps

Discover how LiveNX's end-to-end visualization can help you better manage your network.

[Learn more](#)

