BLUECAT™

LiveNX

Enterprise network management software platform

The challenge: Interpreting data to manage networks

Network management teams routinely perform several activities to plan, deploy, upgrade, maintain, troubleshoot, and monitor the network. Each of these activities are extremely data-driven. They are heavily dependent on the network team's accurate understanding and interpretation of the data coming from applications, network devices, and the traffic moving over the network.

The solution: LiveNX

BlueCat LiveNX allows organizations to manage large and complex networks by unifying and simplifying the collection, correlation, and presentation of application and network data, making it actionable for network management teams. The easy-to-use interface allows network management teams to go from viewing the entire network and drill down to a location, a single hop, or even an individual packet.

LiveNX is a network and application performance monitoring platform with patented end-to-end visualization, from a global view to individual devices. Using LiveNX, enterprises gain real-time and continuous insight into network traffic based on application and user-level activity.

LiveNX offers network management teams the ability to gather and analyze volumes of network data at scale from every device, application, and user to reduce mean time to repair. In addition, it performs exploratory and explanatory analysis.

Features

Unified data on a single platform

- Correlate multiple data sets to provide views, graphs, and maps to illustrate the current state of applications and network performance.
- Gain visibility into underlays and overlays and tunnel performance for SD-WAN deployments.
- See the entire network by unifying data from virtually anywhere—WAN, SD-WAN, Wi-Fi, remote sites, data centers, and multicloud, including AWS and Azure.
- Automatically perform device discovery and quickly create an exhaustive inventory of every device and interface on the network.

Application monitoring and troubleshooting

- Establish application and network performance baselines with real-time capture of line-rate raw flow data, combined with filtering and big-data analysis and reporting.
- Quickly resolve complex incidents that involve different systems, vendors, devices, and software using a rapid incident response workflow with alert notifications and predictive insight.
- Support application recognition facilitated by network device reporting or deep packet inspection.
- Gather network performance metrics from infrastructure devices with application performance-enriched flow data for a comprehensive application path analysis or hop-by-hop.

Network performance monitoring

- Visualize devices, interfaces, applications, VPNs, and users.

- Overlay network and application performance data on your network topology to achieve a clear mental model of how the network relates to performance.
- Baseline network performance—always understand what 'normal' is for your current network configuration and recognize status deviations.

Reports and dashboards

- Monitor network interface and component health.
- Provide a security analysis report to show the de-duplicated flows from WAN interfaces to identify potential security issues.
- Harness simplified dashboards and reporting with out-of-the-box standard reports and customizable report templates for network operations teams, executives, and capacity planning.
- Easily report on trends in organizational bandwidth utilization as well as individual users, devices, and sites.

Integrated flow and packet-level analysis

- End-to-end path analysis of applications from on premises to cloud on a single-screen workflow via hop-by-hop analysis.
- Support single-click drill down from flow visualization to packet analysis for detailed, root-cause analysis.
- Rapid incident response with flow to packet analysis workflow optimization.
- Go directly to packet data for root-cause analysis (for example, to see application errors in packet payloads).
- Packet-by-packet ladder diagram for detailed application performance analysis.

Monitoring, alerting, and management

- Get real-time visualization exposing quality of service (QoS) anomalies and service provider traffic classification issues.
- Support IP telephony monitoring (jitter, delay, mean opinion score, latency, bandwidth, call quality, drops, etc.)
- Monitor Cisco QoS classes per service per interface: queues and thresholds, dropped traffic, etc.
- Utilize application and path visualization to effectively validate WAN return on investment for traditional MPLS, hybrid, or SD-WAN. Gather real-time data from both multi-vendor network elements.

Benefits

Achieve network-wide visibility
Get full visibility into network and application performance across multi-vendor, multi-domain and multicloud networked environments for increased productivity and a better user experience.

Optimize performance
Proactively identify, troubleshoot, and quickly resolve network and application performance issues, regardless of where they occur, to speed time to repair, avoid costly downtime, and meet business needs.

Unify network data
Simplify network monitoring and accelerate troubleshooting by unifying all key network monitoring data types, including network packets, onto a single platform across the entire network, so that network management teams can focus on strategic initiatives.

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

Learn more about how you can unify and simplify data to better manage your network

Learn more

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