BROADCOM®

KEY BENEFITS

- **Optimize Costs**

  From a single management portal, gain visibility and control into complex, traditional, software-defined, and multi-vendor infrastructures.

- **Reduce Downtime**

  Automate triage and root cause identification to expedite network problem resolution.

- **Minimize Risks**

  Make early decisions based on anomalies, patterns, and trends before they impact network delivery.

- **Accelerate Innovation**

  Tame the complexity of modern environments and capitalize on transformative technologies like SDN, SDDC, and SD-WAN.

DX NetOps

Improve NOC Efficiency with Faster Issue Resolution and Reduced Operational Costs

Business Challenges

Network architects, engineers, and operators require visibility and control into a complex ecosystem: software-defined and virtualized networking, wide diversity of services and connections, ubiquity of wireless, exponential growth in traffic, and a multiplicity of network tools and equipment vendors.
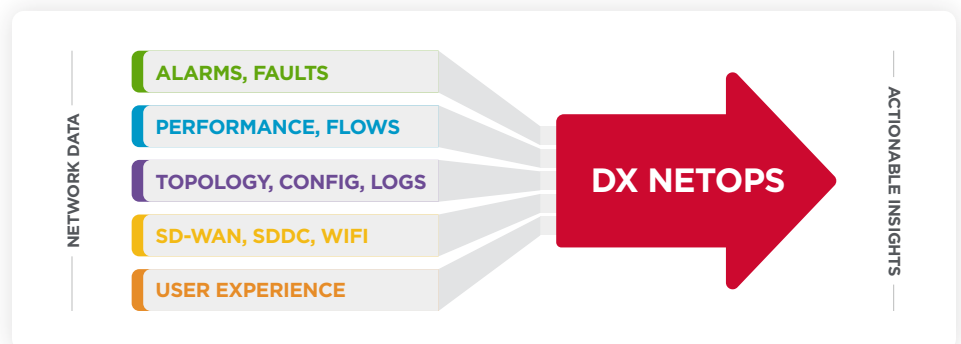
However, traditional NOC tools lack the processing efficiency to cost-effectively scale, instantly analyze and correlate the massive amount of data to handle the dynamic nature of modern network inventories and services. Furthermore, the heavy reliance on hybrid networks creates additional blindspots that mean application performance and user experience are at risk of disruption.

As a result, without a way to address these challenges, network teams continue to rush to react to issues after end-users are affected. Hence, productivity and business performance continue to suffer.

Product Overview

DX NetOps delivers advanced scalability and features that enable network teams to effectively monitor and manage complex, multi-vendor networks — including traditional, software-defined, and edge infrastructures. The product provides a single portal that converts inventory, topology, device metrics, logs, configurations, faults, and flows into actionable insights for network operations teams.

Most importantly, DX NetOps enables routing end-user experience metrics through the standard operating procedures and workflows network specialists depend on. Backed by comprehensive analytics, network teams can triage easily, find root causes quickly, escalate to engineers or architects, open trouble tickets, or isolate and resolve efficiently network delivery issues that deteriorate user experiences.

NETWORK DATA		ACTIONABLE INSIGHTS
ALARMS, FAULTS		
PERFORMANCE, FLOWS	DX NETOPS	
TOPOLOGY, CONFIG, LOGS		
SD-WAN, SDDC, WIFI		
USER EXPERIENCE		

DX NetOps provides holistic and contextual information across domains.

DX NetOps

KEY FEATURES

- Unified management portal and data model for fault, performance, flow, configuration, and user experience.

- Proven operational workflows that simplify network management.

- Network fault suppression, topology-based isolation, and correlation of configuration changes to outages.

- Alerts based on dynamic thresholds, deviation from baseline, and anomaly detection.

- Configuration management and auto-remediation of single devices and device families.

- Network traffic analysis with application identification.

- Visibility into the overlay and underlay of software-defined networks.

- Wide scope of protocols supported (SNMP, non-SNMP, Flows, gNMI, Telemetry…).

- Multi-vendor device and topology discovery, including SDN, SDDC, SD-WAN, NFV, and Wi-Fi.

- High-scale monitoring of up to 5M items and 500K metrics per second.

Fault Management

DX NetOps helps pinpoint the root cause of network delivery problems for faster resolution. The product offers automated event correlation and root cause analysis capabilities that suppress unnecessary or symptomatic alarms and identifies the actual component responsible for an issue. DX NetOps also correlates outages to configuration changes with audit trails for any network device.
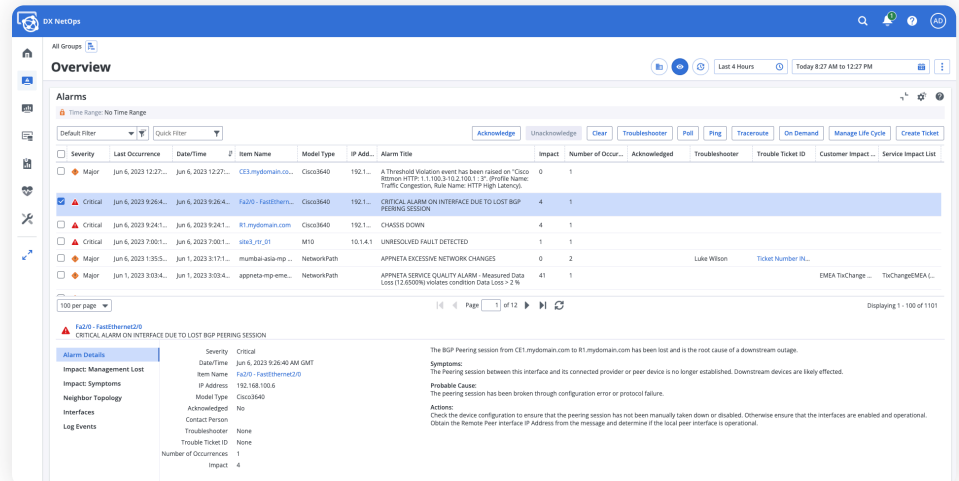
DX NetOps delivers practical insights to identify and resolve problems quickly.

Performance Monitoring

DX NetOps collects, stores, analyzes, and displays massive amounts of performance data for assuring holistic visibility across complex, multi-vendor network infrastructures. Designed for traditional and modern software-defined network technologies, the product enables proactive capacity planning, anomaly detection, and problem-solving through flexible dashboards and reports that unify all aspects of monitoring and help optimize network operations.
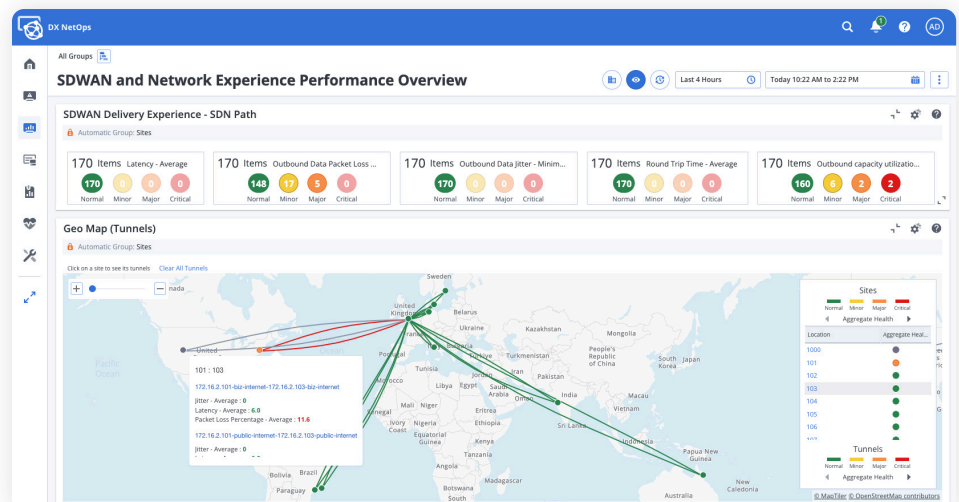
DX NetOps offers network path visualizations that enable to isolate performance degradations quickly.

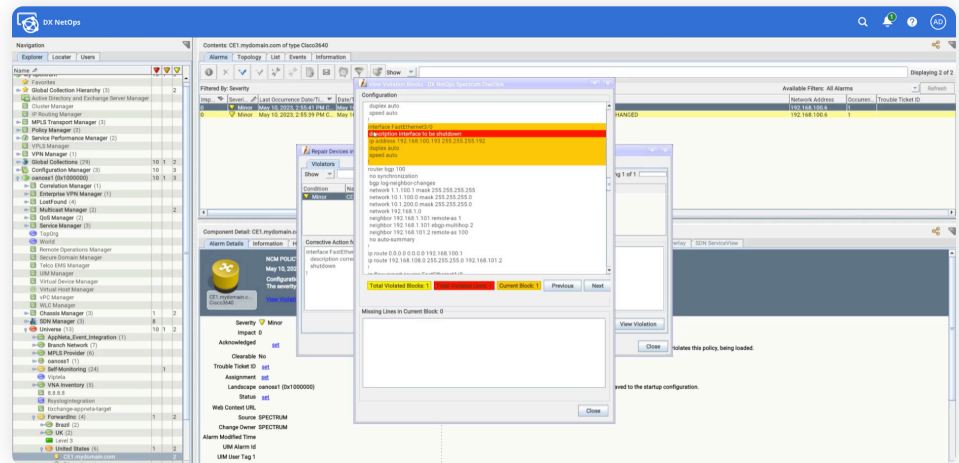**DX NetOps**

Flow Analytics

DX NetOps ingests and analyzes flow data to deliver actionable intelligence and real-time visibility into network behavior. The product provides deep visibility into network traffic, identifying the source, destination, and volume of data flows. With intuitive visualizations and customizable dashboards, network specialists can easily interpret complex data, identify potential bottlenecks and manage network resources effectively.
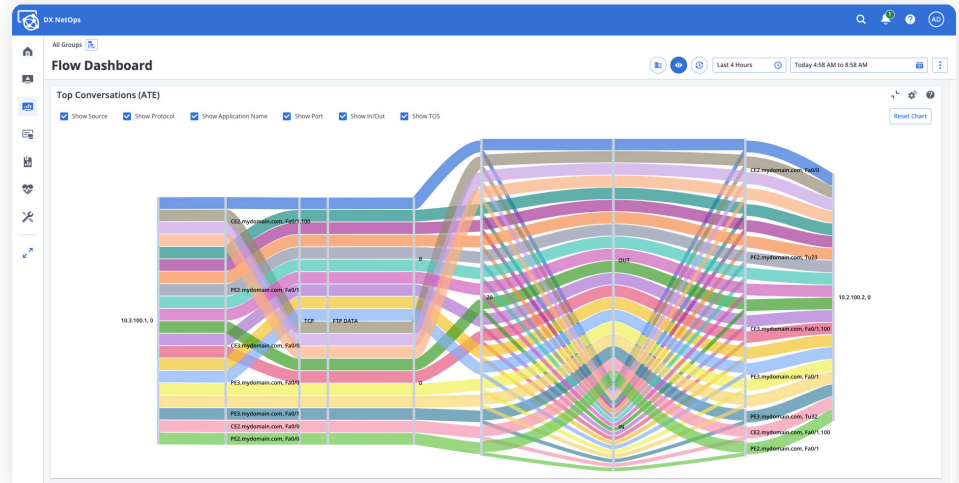
DX NetOps helps understand application/service utilization with location-by-location comparisons and categorized traffic details.

Configuration Management

DX NetOps minimize risks and troubleshooting efforts that result from ineffective configuration changes. The product offers change scheduling and automation, approval controls, and detailed change reporting that enables establishing reference configurations, tracking deviations, and even generating alarms when deviations occur.

DX NetOps delivers visibility and control, minimizing erroneous changes that lead to performance issues and outages.

DX NetOps

End-User Experience

DX NetOps seamlessly integrates with AppNeta® to transform NOC triage and response times. The integration brings end-user experience to the forefront of NOC visibility, extending operational reach across unmanaged networks and cloud-based applications.
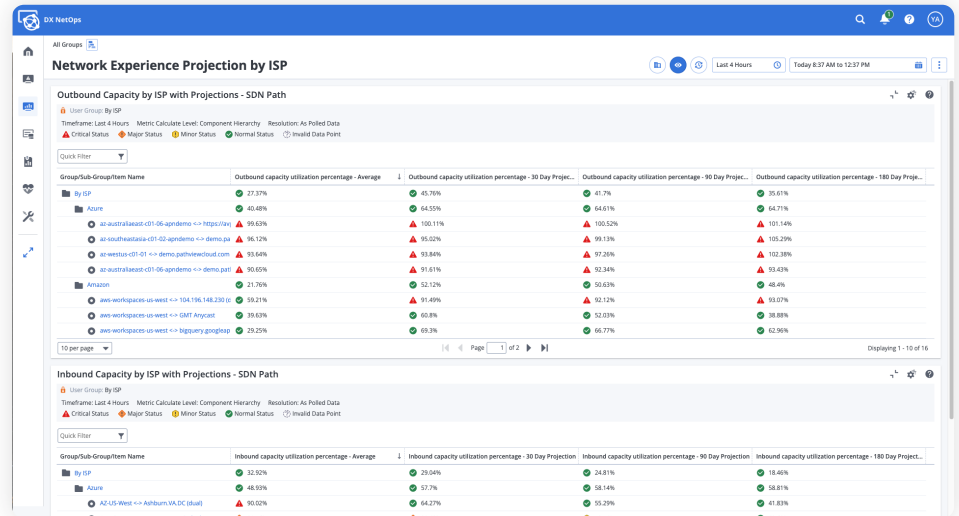
DX NetOps enables visibility beyond the edge of the enterprise network into ISP and cloud provider networks.

For more information, visit broadcom.com/netops

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