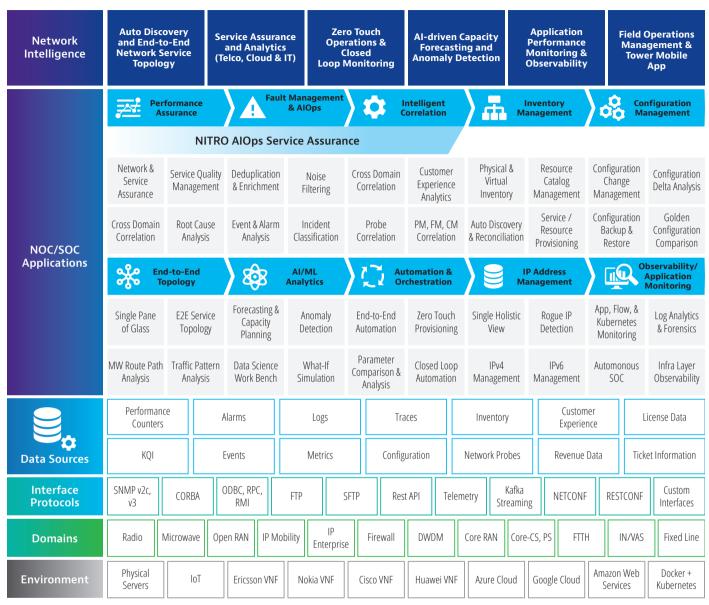


The VIAVI NITRO® cloud-native Artificial Intelligence for Network Operations (AlOps) portfolio helps CSPs, DSPs, ISPs, Utilities, and Enterprises accelerate their digital OSS transformation journey by evolving their legacy network operations center (NOC) to a dark NOC. The NITRO AlOps End-to-End Service Assurance solution enables the breaking down of silos across network domains to provide a vendor agnostic and holistic view of the entire network - end-to-end. With real-time monitoring, NITRO AlOps Service Assurance enables root cause identification of Customer Experience (CX) -impacting issues enabling proactive problem resolution.



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Al for Network Operations (AlOps) Portfolio and Coverage

NITRO AlOps Service Assurance

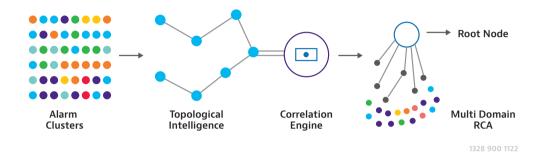
Enable network operation teams to proactively identify and resolve CX-impacting network problems and ensure quality service delivery

- Identify critical metrics for bottlenecks that affect Quality of Service (QoS)
- Proactively plan network capacity
- Forecast Network Faults
- Analyze and predict network traffic

A One-Stop Solution

VIAVI NITRO AlOps visualizes, automates, and optimizes digital experiences as well as service and network quality across hybrid telco and IT networks by integrating real-time assurance with closed-loop automation and analytics driven by artificial intelligence/machine learning.

Powered by a topology, assurance and analytics suite of applications, NITRO AlOps governs the digital experience as well as service and network quality with intelligence that monitors, detects and heals by leveraging local orchestrators, driving digital transformation initiatives towards autonomic network management.



Teams

- Network Operations
- Field Operations
- Customer Care

Benefit

- Proactive alerting system
- Collaborative space for operators
- Automated process workflow trigger at the edge

Value

- Improved operational efficiency
- Faster alarm triage

Product Features

NITRO AlOps is available as a cloud service on public, hybrid, and private clouds.

Network Performance Monitoring

Monitor your network with 1000+ KPIs along with intuitive dashboards, instant alerts, and intelligent reporting

End-to-End Network Topology

Automated end-to-end, multi-layer, multi-vendor, multi-domain topology with end-to-end visualization and management

Network Configuration Manager

Integrated with the Network Auto-Discovery
Framework which automatically retrieves the current
status of the network

Workflow Automation

Orchestrate and automate network fault troubleshooting steps and ongoing maintenance tasks with ease using a rule-based workflow engine

Anomaly Detection

Detect and rectify abnormal patterns in the network automatically through Al algorithms

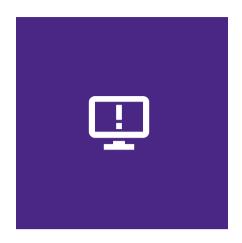
Application Performance Management

Monitor application performance across physical, virtual, and cloud environments to ensure mission-critical business apps meet end-user expectations

GIS and Network Topology Visualizer

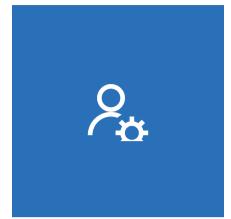
Understand the bigger picture by visualizing how the overall network infrastructure is organized

Proven Success Cases – Focus: CSPs



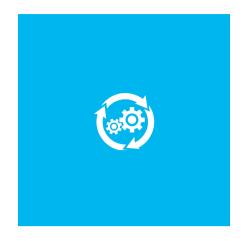
Empowering Fault Management

Through automated service quality management, customer experience impacting failures and the probable root cause of network failures can be identified and rectified, thereby reducing resources required to support the network leading to overall OPEX reduction



Improved Capacity Planning

Planning the network capacity is very crucial, especially on special occasions. NITRO AlOps forecasting prediction algorithms give an idea to capacity planning teams as to the reduction or addition needed based on observed data



Automated Network Orchestration

Repeatable activities can be automated using the root cause analysis (RCA) workflow feature which, in turn, increases the efficiency of the network avoiding manual intervention and potential associated human errors

Customer	Problem	Solution	Benefit
East African Operator	High handoff and drop rates impacting customer experience	Identified capacity issues in Mw VoLTE network elements	Improvement in customer experience identified via an audit
Middle East Operator	High roamer issues observed in the network	AlOps Service Assurance observed high GGSN reject failures in particular roamers	Roamer issues were reduced with improved customer experience
North American Operator	No single system to view the performance of all network elements	Provided end-to-end analytics of the entire network	Single pane of glass enterprise customer performance views



Contact Us

+1 844 GO VIAVI (+1 844 468 4284)

To reach the VIAVI office nearest you, visit viavisolutions.com/contact

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