Data Sheet

VIAVI
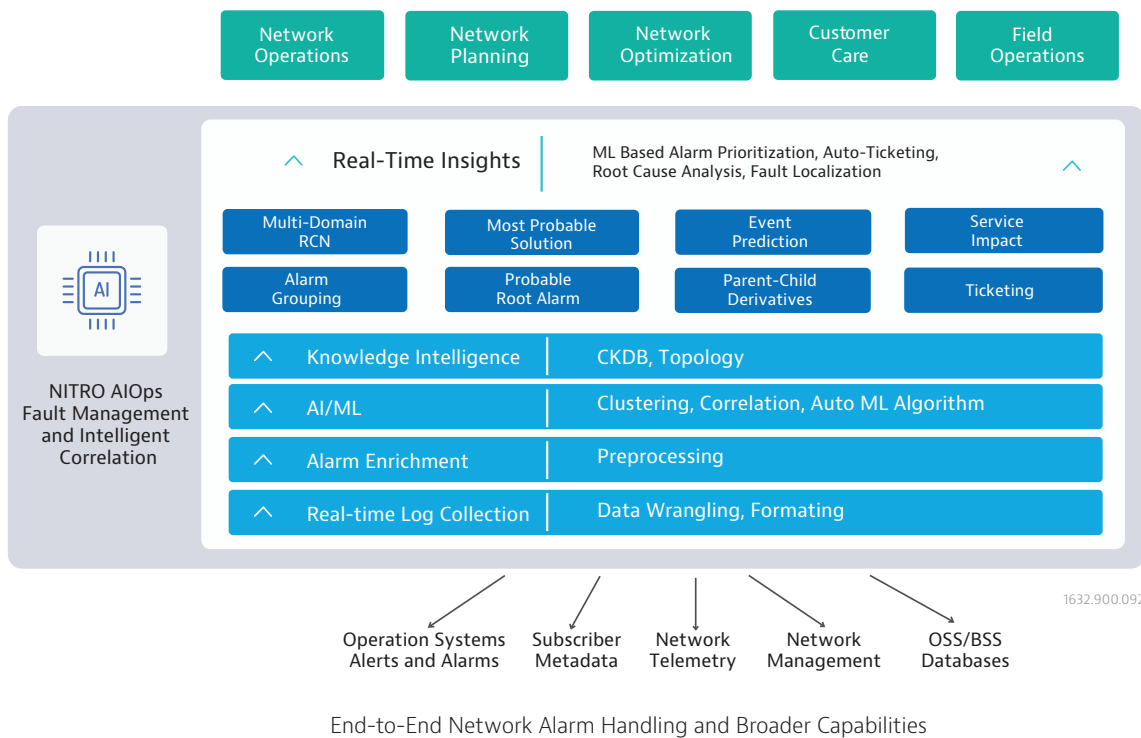# NITRO AIOps Fault Management and Intelligent Correlation

Augmented Intelligence for Network Operations

Network monitoring, and the task of managing it, has become increasingly complex, with devices from multiple vendors typically monitoring across multiple technologies. With 100 years of heritage working with every major network worldwide, VIAVI Solutions understands your network and with NITRO® AIOps Fault Management and Intelligent Correlation, provides intelligent fault monitoring, fault detection, alerting and auto-remediation in a single integrated platform – powered by machine learning (ML) in real-time.

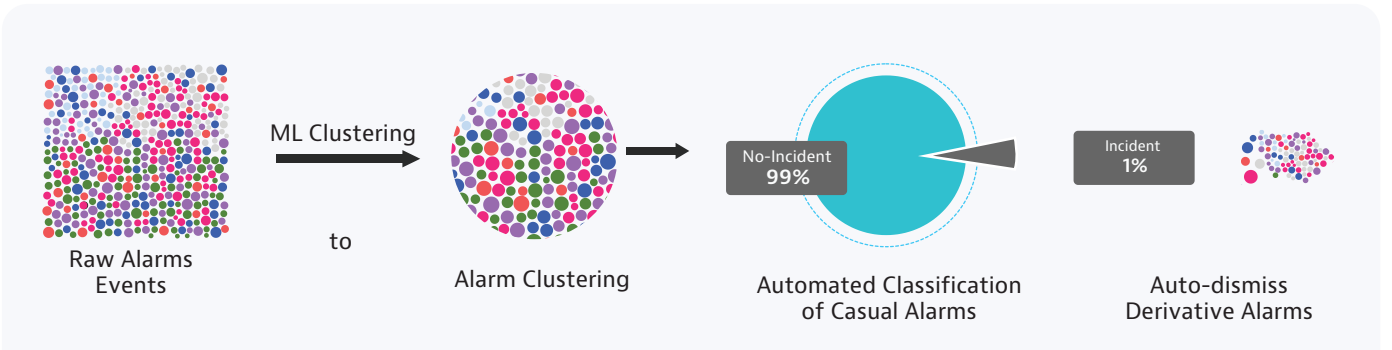End-to-End Network Alarm Handling and Broader Capabilities

Leveraging NITRO AIOps Fault Management and Intelligent Correlation enables deep insight into your networks and creates the ability to manage data across multi-vendor, multi-domain and multi-technology platforms, leading to previously unrealized network management that is more proactive and efficient.

Benefits

- Reduced Mean Time to Acknowledge
- Evolve toward Zero-Touch Network Operations
- Improve prediction of faults and problems
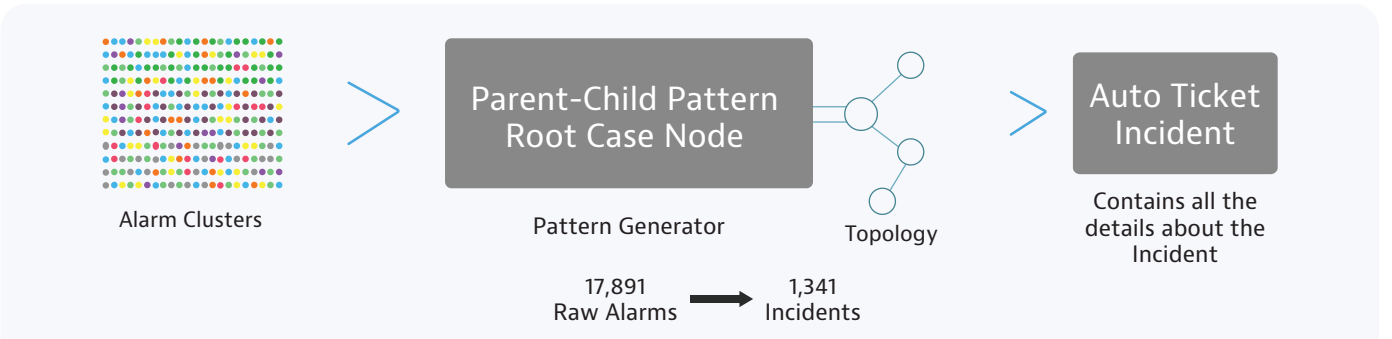- Easier Diagnosis, Faster Resolution of Network and Service Problems

Network Alarm Compression and Analytics Module

Feature 1: ML-based alarm grouping/clustering alarms with context and ML-based alarm prioritization

Raw Alarms
Events

ML Clustering

to

Alarm Clustering

No-Incident
99%

Automated Classification
of Casual Alarms

Incident
1%

Auto-dismiss
Derivative Alarms

Teams	Benefit		Value
Network operations	⌄	**Reduced MTTA, MTTD and MTTR**	⌃ **Improved operational efficiency**
Field operations	⌃	**Alarm streamlined**	⌄ **Reduced OPEX**
	⌃	**Operational efficiency**	

Feature 2: sequence-based ML methods and fault localization

Alarm Clusters

Parent-Child Pattern
Root Case Node

Pattern Generator

Topology

Auto Ticket
Incident

Contains all the
details about the
Incident

17,891
Raw Alarms → 1,341
Incidents

Teams	Benefit		Value
Network operations	⌄	**Reduced operator's analyzing time**	⌃ **Improved operational efficiency**
Field operations	⌃	**Seamless navigation in finding the chain of alarms**	⌄ **Reduced OPEX**
	⌃	**Alarm fleet or alarm floods are controlled**	

AI-Infused Operational Analytics Module

Feature 3: ML-based correlation and root cause analysis

Alarm Clusters → Topological Intelligence → Time Sequential →

Parent Node
Child Node
Parent Alarm and Child Alarm
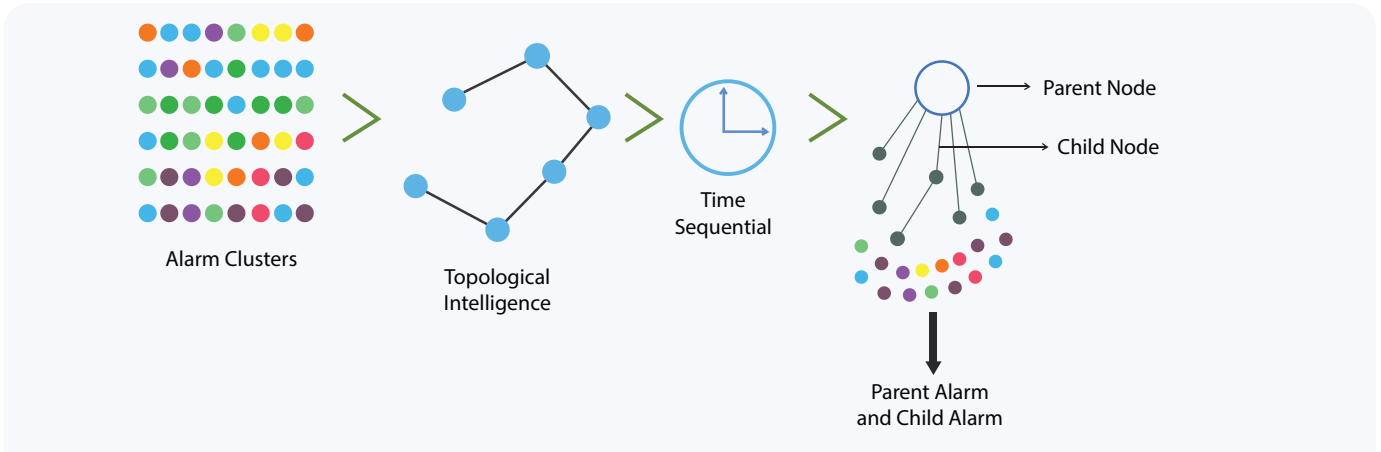
Teams	Benefit		Value
Network operations	✓	Easier identification of probable root cause and device	∧ Improved operational efficiency
Field operations	∧	Increased operational efficiency	✓ Reduced OPEX
Network planning	∧	Increases the uptime across the network	

Feature 4: alarm prediction and ticketing

Alarm Clusters → Topological Intelligence → Correlation Engine →

Root Node
Multi Domain RCA
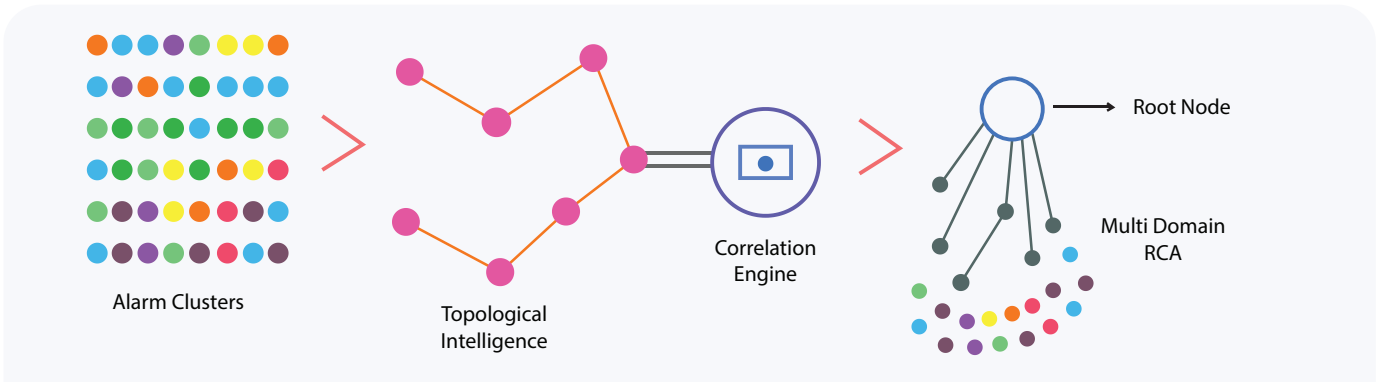
Teams	Benefit		Value
Network operations	∧	Proactive alerting system	∧ Improved operational efficiency
Field operations	∧	Collaborative space for Operators	∧ Faster alarm triage
Network planning	∧	Automated process workflow trigger at the edge	

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