



# Affordable Network Assurance for a Private 5G Network

Colleges and universities, hospitals, manufacturers, and many other industries are investigating the feasibility of installing a private 5G network to achieve more flexibility, predictable data rate performance, privacy, and low latency. But all enterprises considering private 5G networks are often stymied by the operational issues surrounding the complexity of network assurance in 5G environments. Maintaining the service quality is critical to ensuring the overall success of 5G. The question becomes how to ensure high network availability without adding significant operational cost and overburdening already constrained technical resources. One large midwestern university addressed this challenge by installing VIA AIOps for end-to-end network assurance for their private 5G network.

## Operational Service Assurance Challenges for Private 5G Networks:

- 5G's new transport network architecture and mobile access edge computing, **increase network complexity** and introduce new challenges for operations
- Fault and performance management systems usually rely on **separate application and monitoring tools**
- Staff augmentation within existing **budget constraints** is not feasible

## The Solution:

VIA AIOps delivers **end-to-end network service assurance** in cloud native, private 5G networks. VIA automates the **full life cycle** with advanced, real-time analytics to move **from alarm noise reduction to anomaly detection** to performance management and predictive analytics. Developed for Network Operations Management, VIA optimizes fault, performance and change management processes.



## VIA AIOps for Network Assurance

- Detects network events before the customers' experience impact
- Determines root cause and identifies the impacted population for remediation
- Integrates with existing backend systems and enables process automation.
- Supports cloud native and traditional environments for fault and performance management
- Reduces cost, enhances the customers' experience, and improves the efficiency of Network Operations.

With VIA, you gain end-to-end network assurance for your private 5G network with one single application.