8 REASONS TO MOVE TO AIOPS FOR NETWORKING

REAL-WORLD BENEFITS OF A MODERN MICROSERVICES CLOUD

When wireless networks were created over a decade ago, smartphones, tablets, IoT, and cloud-apps didn't even exist. While legacy wireless LAN (WLAN) architectures were great for managing yesterday's networks, where wireless clients were limited and connectivity was a convenience, they are not equipped for the modern era of mobility. Legacy WLAN architectures lack the horsepower, cross-location data, and data science to support AIOps for networking. Only a modern microservices cloud supports AIOps for real-time analysis that enables IT teams to make faster, more accurate decisions and respond to network and system incidents as quickly as possible.

FASTER DEPLOYMENTS FOR A BETTER ROI

AI is used to onboard, deploy, and troubleshoot campus fabrics in greenfield scenarios, making Day 0 to 2+ operations easier and less time consuming. AI and intelligent automation allow you to quickly onboard technology with fewer resources up to 90% faster than it once took.

REDUCED NETWORK COMPLEXITY

AI plays an increasingly critical role in taming the complexity of growing IT networks by correlating anomalies with historical and real-time data to discover and isolate problems quickly. Your IT team can scale further and shift their focus toward more strategic and high-value tasks and away from the resource-intensive data mining required to identify and resolve needle-in-the-haystack network problems.

ADAPTIVE VISIBILITY

Keeping your Wi-Fi up and running effectively requires proactive troubleshooting, which means you need a solution that quickly analyzes information about your users, applications, IoT devices, and locations to know exactly what's going on and where—for immediate resolution.

AI FOR IT OPERATIONS (AIOPs)

AIOps can help you get ahead of network issues before they impact performance (and users notice) by collecting data from multiple sources, including wireless access points, Ethernet switches, routers, and firewalls. This data increases network visibility, accelerates troubleshooting, and reduces network incidents, all without human intervention. Overall, AIOps can boost user productivity and reduce staff time for OpEx savings of up to 85%.

AI-POWERED ASSISTANT

A Virtual Network Assistant (VNA) is an AI-powered digital network expert that serves as an extension of your IT team. Look for a VNA that supports natural language processing (NLP) and offers a conversational interface. A VNA can streamline operations and accelerate troubleshooting workflows, answer product- or feature-specific questions, provide information about your network, and help find any type of network device. It can comb through data and logs to determine root causes and provides answers in real time with high efficacy.

OPEN APIs

Application Programming Interfaces (APIs) enable you to automate tasks and integrate your programs and databases with current industry applications. You can use APIs to accelerate the deployment of multiple sites through automation and integrate systems and devices to allow communication between different applications. Once integrated, you'll avoid data silos and automate business processes.

END-TO-END SECURITY

With so many work-from-home and pop-up network sites in use today, a threat-aware network is more essential than ever. Enforcing which users and devices can join your network and what they can access is critical to safeguarding your IT assets. Look for a solution that provides Zero Trust, identity-based network access control, and full-stack policy and segmentation assignments to safely onboard your guest, IoT, BYOD, and corporate devices.

MICROSERVICES CLOUD ARCHITECTURE

It's important to be able to identify the root cause of network issues across WLAN, LAN, WAN, and security domains. Traditional wireless LAN solutions rely on antiquated architectures that lack the scale, reliability, and agility required to address today's diverse enterprise needs. Harness the flexibility and dependability of a microservices cloud with AI-driven automation and insight to fundamentally transform network operations, from reactive troubleshooting to proactive remediation, through self-driving actions. The right solution delivers real-time insights into the exact performance and service levels that mobile users and devices are experiencing and automates corrective action by fixing problems before they can negatively impact user sessions.

JOURNEY TO A SELF-DRIVING NETWORK

AIOps is about driving operational simplicity and transforming IT from reactive troubleshooting to proactive remediation. It offers a "morning cup of coffee" view, which delivers visibility into high-impact network issues at an organizational level, so your administrators know exactly what they need to prioritize and focus on for the day. Adopting the right AIOps solution will eliminate manual troubleshooting, deliver significant savings in time and effort, and boost the overall experience of users, devices, and clients.

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3050233-001-EN Sept 2023