

ARUBA AT A GLANCE

ARUBA NETINSIGHT

AI-powered analytics and assurance to deliver a first-class user experience

As IT organizations face new challenges to meet the growing demands of mobility, cloud and IoT for business growth, the importance of the network is more critical than ever. And as digital workplaces evolve to meet modern user behavior and the demands of Wi-Fi enabled IoT devices, IT needs to continuously understand how this affects the performance of their network.

Organizations must look to new technology to consistently deliver high levels of network assurance to support their business goals and budget, while doing more with less.

A NEW APPROACH – INTELLIGENCE THROUGH MACHINE LEARNING

Instead of reacting to system alerts and user complaints after a problem occurs, new machine learning-based solutions allow you to proactively see what happens as users roam and new IoT devices connect anywhere on the network.

The amount of data that IT must process and analyze to find and solve connectivity and performance issues makes managing the network increasingly more difficult. As problems arise, the limited visibility and intelligence provided by traditional network monitoring solutions means the lack of a consolidated perspective of what is wrong. Manual analysis and reactive configuration changes are the status quo.

By leveraging new technology to automatically identify issues and anomalies that accelerate time to resolution, IT organizations can shift from a break-fix model to one that allows them to focus on delivering more strategic business initiatives.

Proactive Monitoring

The simplest method to staying ahead of business disruptions is identifying early warning signs. However, legacy monitoring tools only generate alerts after something breaks, forcing network operations to function in a very reactive mode.



In contrast, through constant monitoring and automatically establishing baselines for how your network performs and what is considered normal, tools based on machine learning can easily tag deviations, analyze the impact, and deliver insights. This enables IT to identify problems before they impact users.

Prescriptive Analytics

Resolving problems quickly is as critical as finding them early. Very often, even highly-skilled IT experts spend a large amount of time manually analyzing enormous amounts of data from disparate systems to diagnose problems. Unfortunately, fixing complicated network issues becomes an exercise in trial and error.

Advanced network analytics and assurance tools based on machine learning intelligence can not only detect patterns, but identify root causes automatically, and more importantly provide validated recommendations that help solve immediate and foreseeable issues. Prescriptive guidance allows IT to easily eliminate the complexity of managing and maintaining today's mission-critical networks.

Adaptive Assurance

One of the biggest challenges today is addressing the constant changing demands on the network as new IoT devices, cloud and voice apps and services are utilized. With traditional monitoring tools, IT only gets a static snapshot of how the network is performing at any point in time.

With tools that continuously learn and adapt to evolving network environments, it is easier to understand the effects that roaming can have on a network, or how wireless traffic from new IoT devices affects the productivity of user voice or video traffic. Continuous baselining, peer benchmarking and site to site comparisons gives IT knowledge that would be difficult to acquire.

Self-Optimizing Operation

In addition to troubleshooting and addressing network issues, network operators are also constantly in search of ways to improve the performance of their networks. Historically, optimization commands were implemented manually by network operators which consumes valuable time and effort. Additionally and despite best efforts, human errors can occur.

NetInsight's closed-loop operation enables your network to self-optimize by eliminating the need for network operator interaction and the chance for human error. Closed-loop operation implements NetInsight's recommendations to continuously and automatically optimize your network and ensure end users receive the best experience possible.

For organizations not yet ready to allow every recommendation to be implemented automatically closed-loop operation can be configured to always implement every recommendation, implement all changes after operator review, or implement only selective recommendations. In all cases, NetInsight provides a before/after view of change recommendations to ensure changes deliver expected improvements.

Green AP Power Savings

Power consumption and associated costs are always a concern for today's businesses due to impact to the bottom line. Reducing power consumption not only improves the bottom line, but enhances your ability to comply with growing corporate social responsibility initiatives.

Aruba NetInsight uses machine learning to work seamlessly with Aruba access points to automatically place appropriate APs into a deep-sleep mode when they are not needed (e.g. a business closes for the evening or a space is only used for events) and automatically return to full power when demand returns.

Using machine learning to automatically manage power consumption is one way Aruba is intelligently helping today's businesses achieve greater social responsibility and meet compliance and business demands.

THE ARUBA ADVANTAGE

Aruba NetInsight is a purpose-built cloud-based machine learning analytics solution that automatically analyzes how evolving networks perform. By combining deep networking knowledge, innovative data extraction, closed-loop operation, and a powerful analytics engine, Aruba takes a unique approach to continuously improving the quality of experience for users and the Internet of Things (IoT).

And, NetInsight is the only solution that provides peer benchmarking comparisons at an environment level that goes beyond the size or type of organization. Comparing how a network is performing across like for like spaces is something the competition cannot deliver.

FOR MORE DETAILS

<http://www.arubanetworks.com/netinsight>