

Keysight Edge Visibility and Performance Monitoring with Allegro Network Multimeter

Integration of Keysight Hawkeye Agent with Allegro Packets

Overview

The integration of Keysight Hawkeye Agent with Allegro Packets, brings together two powerful technologies to enhance network monitoring and analysis capabilities.

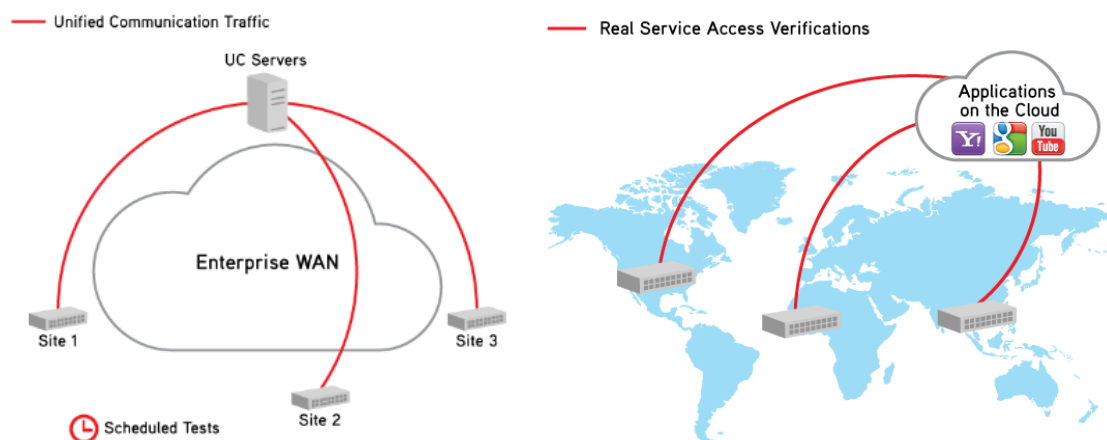
Keysight Hawkeye Agent is a comprehensive network monitoring solution that delivers real-time user experience metrics and proactively identifies network issues through automated interval testing. It provides valuable insights into network performance, enabling organizations to validate fixes promptly and monitor network trends.

On the other hand, Allegro Packets offers appliances that are known for their cost-effective yet high-performance network analysis and packet capturing capabilities. Leveraging its in-memory database design and powerful software algorithms, Allegro Packets enables and allows for highly granular and detailed analysis of network problems, performance bottlenecks and protocol disturbances.

The integration of Keysight's Hawkeye Agent into Allegro's Packets solutions combines the best from both worlds, the extensive monitoring capabilities of the Hawkeye agent with the advanced real-time analysis and capture capabilities of Allegro Packets. This integration empowers IT teams and service providers to gain a holistic view of network performance, identify and resolve issues promptly, and make informed decisions regarding network security and optimization.

By leveraging the integration, organizations can strengthen network security, reduce monitoring costs, increase return on investment (ROI), and optimize network performance. The combined solution offers a comprehensive suite of network monitoring and analysis tools that cater to the needs of various industries and organizations worldwide.

Keysight Hawkeye Agent is a comprehensive network monitoring solution that delivers real-time user experience metrics and proactively identifies network issues through automated interval testing. It provides valuable insights into network performance, enabling organizations to validate fixes promptly and monitor network trends. On the other hand, Allegro's latest firmware offers advanced features and improvements for their network appliances, including the Allegro Network Multimeters. These appliances are known for their cost-effective yet high-performance network analysis and packet capturing capabilities. With the latest firmware, Allegro enhances the already powerful software algorithms, allowing for highly granular and detailed analysis of network problems, performance bottlenecks, and protocol disturbances.



Hawkeye overview and integration with Allegro:

In today's highly competitive environment, the following activities are important for company success:

- Delivering innovative services such as Voice over IP (VoIP)
- Maintaining unified communications (for example, Skype for Business)
- Migrating business services to the Cloud
- Streaming videos

The following factors can compromise a company's network performance and brand reputation:

- Bottlenecks in the network
- Latency
- Wireless network issues
- Other hard-to-locate network issues

Network managers and operators need a simple, yet reliable way to continuously verify the performance of their networks for hassle-free application delivery.

As such, Keysight Hawkeye agent combined onto the Allegro Network Multimeter appliance will result into two powerful tools that, working together, will provide a comprehensive active and passive monitoring solution.

Specific to Hawkeye, it simulates application traffic and sends key performance metrics to a central console for fast action. In this integration with Allegro Packets, the Hawkeye software agent called performance endpoint, will be pre-installed onto all Allegro Packets appliances and probes. Once deployed, these performance endpoints will provide end users perspective of the remote site on network performance.

As such, the solution empowers network managers with proactive ways to detect, diagnose, and fix issues.

Hawkeye measurements range from network quality to user experience and wireless network monitoring, enabling administrators to improve the overall network up-time and to detect network performance issues **before** they impact end users.

Hawkeye tests are easy to deploy and use, which helps your company to efficiently assess networks and applications.

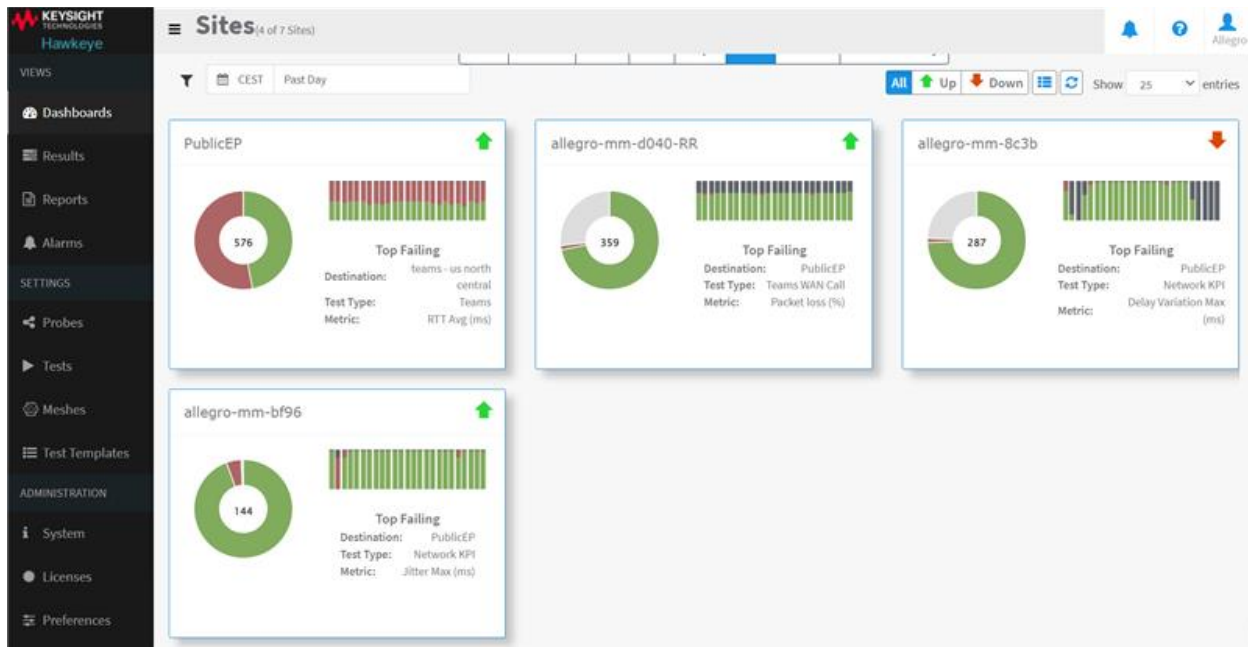


Figure 1 – Hawkeye Dashboard

Hawkeye key highlights:

- Uses a web-based platform for multi-user access, test scheduling, data storage, and real-time analysis.
- Verifies virtual infrastructure with software and VM endpoints.
- Verifies user experience, monitors and diagnose wireless networks with inspect features.
- **Continuously** injects real-time traffic into the network as per schedules between nodes or in a mesh.
- Conducts distributed tests with on-premises or off-premises servers, that is, cloud servers.
- Verifies fixes that are available in your network in real-time with Pass/Fail status.
- Finds network or application faults quicker with interval testing throughout the day, week, and month.
- Tracks services and network trends proactively based on time-of-day and day-of-week of services.

Allegro Packets' Network Analysis & Packet Capture Solutions

Allegro Packets offers cost-effective appliances for high-performance network analysis and packet capturing, ranging from 1 to 400G. These appliances, known as "Allegro Network Multimeters" provide highly granular and detailed analysis through powerful software algorithms. They effectively uncover network problems, performance bottlenecks, and protocol disturbances. With advanced incident monitoring capabilities based on thresholds and regular expressions, Allegro Network Multimeters proactively assist IT teams and service providers in network performance management, root cause analysis, and making informed network-related decisions, including security considerations.

Keysight Intelligent Visibility Architecture

Keysight Visibility solutions enable IT to enhance network security, minimize monitoring costs, maximize returns on investments (ROI) and optimize network performance. The Keysight Visibility Architecture is built on the industry's most comprehensive network visibility product portfolio including network taps, virtual network taps and intelligent network packet brokers (NPB's) delivering end-to-end visibility for physical, virtual and public, private & hybrid cloud networks.

Keysight and Allegro Network Multimeter Joint Solution Benefits

The combination of the Hawkeye agent on Allegro Packets' platform, gives a single integrated powerful solution that will allow both Monitoring & Testing from the Hawkeye Console and High-Performance Network Analysis & Packet Capturing through Allegro Packets' solution. That combination brings enhanced ROI while leveraging space and power consumption on site.

A perfect partnership

About Allegro Packets

German based Allegro Packets provides portable and rack-mount solutions for network (protocol) analysis and packet capturing. The brand is setting new benchmarks by combining high performance, high reliability, active development, relentless support and fair pricing into its all-in-one proposition. Allegro Packets are recognized and used by service providers, government-, healthcare- and Enterprise-organizations around the world.

Learn more at: [Network tools from Allegro Packets](#)

About Keysight Visibility

Connect and Secure the World with Dynamic Network Intelligence

The need for always-on networks is pervasive, and expectations are high when it comes to keeping them connected and secure. As technologies advance, edge computing, cloud environments, sophisticated security threats, increasing bandwidth requirements, and demanding compliance regulations make it challenging to extract actionable insight from your network.

Keysight can help. Customers rely on our solutions to deliver rich data about network traffic, applications, and users across any networking environment. This deep insight is what we call dynamic network intelligence. It helps you continuously innovate, meet aggressive service level agreements, and keep applications running smoothly and securely.

Learn more at: [Network Visibility | Keysight](#)

Keysight enables innovators to push the boundaries of engineering by quickly solving design, emulation, and test challenges to create the best product experiences. Start your innovation journey at www.keysight.com.



This information is subject to change without notice. © Keysight Technologies, 2023