# Deep Network Analysis

Delivering Comprehensive Deep
Network Analysis with Niagara Networks
and Allegro Packets

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# Making the case

Current network visibility solutions often face significant limitations. Many tools offer high-level overviews with drill-down functionalities, but lack the depth needed for effective troubleshooting. This gap hampers the ability to diagnose and resolve complex network issues quickly.

Additionally, deploying a new solution presents several operational challenges. Organizations must determine the optimal deployment points and ensure the right traffic is routed to the solution. There are also considerations around hardware and infrastructure management, as well as assigning clear ownership of the new solution. These complexities result in delays and inefficiencies, negatively impacting overall network performance and user experience.

Our versatile network visibility and monitoring solution, whether deployed ad-hoc or permanently, addresses these challenges by:

- Simplifying Deployment: The solution can be quickly implemented across various environments, reducing downtime and disruption.

- Enhancing Troubleshooting: It provides real-time traffic displays and deep-dive analysis tools, enabling faster identification and resolution of network issues.

- Reducing Complexity: Flexible form factors and streamlined traffic routing allow seamless integration into existing infrastructure, ensuring easier management and control.

By adopting this comprehensive solution, your organization can improve network performance, streamline operations, and deliver a better user experience.

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# Our approach

Until recently, the market lacked a monitoring tool that allowed it to display traffic on-site and thus quickly and easily detect errors. We combine Allegro Packets' solution to close this gap by providing comprehensive network analysis that can performed quickly, enabling network problems to be detected with just a few clicks, performance bottlenecks identified, and packet losses detected.

Niagara's Open Visibility Platform (OVP) is the flexible deployment hub for cutting-edge applications, allowing you to choose and spin up the best solution for your SecOps and NetOps needs. Integrated intelligent switching fabric capabilities ensure that the solution will get the right traffic in the right way without further encumbering the operations of deploying a new solution.
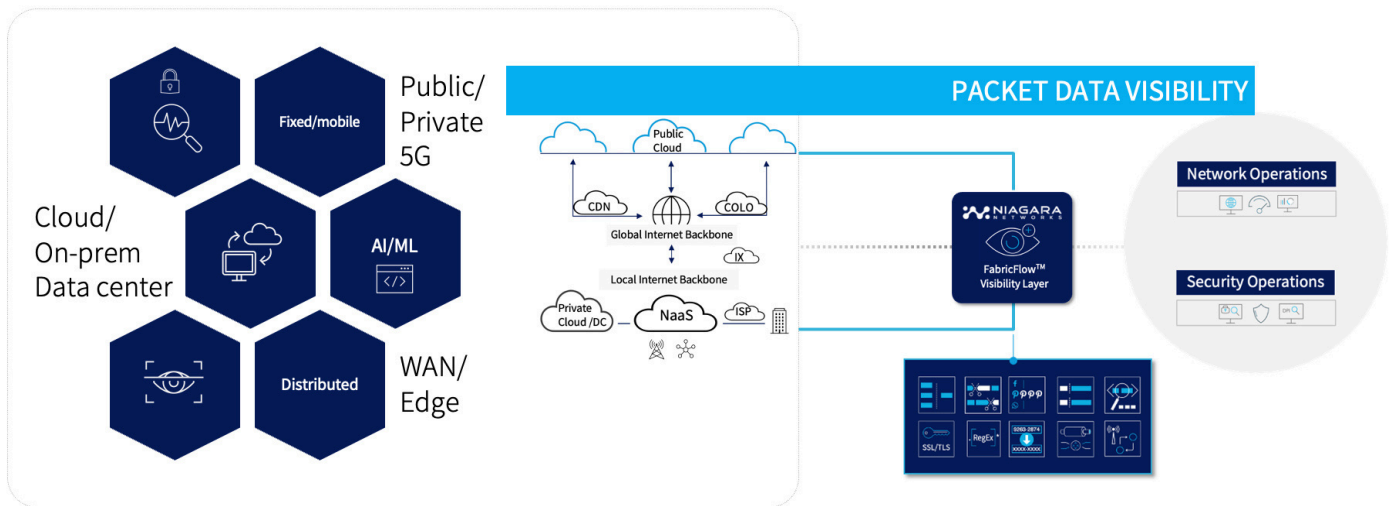


# A better way forward

Allegro Packets' Network Multimeter has been integrated on Niagara Network's Open Visibility Platform which enables agile deployment on an organization's network. Serving as an open deployment hub, the platform hosts Allegro Network Multimeter inside Network Packet Broker and provides it with the appropriate, pre-processed network traffic to deliver comprehensive deep network analysis.

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# Niagara Networks and Allegro Packets Deliver Comprehensive Deep Network Analysis

## Bring the solution to the problem

Traditionally, you are expected to bring the problem to the solution. You need to collect and store large and numerous PCAP files of the network traffic and transfer the files to the solution for future costly off-line troubleshooting. With the joint solution, you can quickly and easily deploy Allegro Packets' Network Multimeter on the network traffic and you can even deploy Allegro Packets' tool ad-hoc once a network problem occurs. You don't need a maintenance window while deploying the solution. Easily and dynamically configure the filtered traffic going to the Allegro tool. The Allegro tool can see traffic from 1Gb to 100Gb interfaces while engineers troubleshoot the problem.

## Fully integrated

Traditionally, you will be required to install an external appliance and face the challenge and cost of connecting network interfaces to the solution. With the Niagara and Allegro joint solution, Allegro Packets' Network Multimeter is hosted inside the network packet broker. No costly external interfaces and no external appliance that needs to be separately maintained and upgraded.

## Freedom to choose

Traditionally, you are tied to a Network Monitoring tool that might not be the best for network problem analysis and troubleshooting. With the Niagara OVP and Allegro Packets' Network Multimeter joint solution, you can benefit from Allegro's cutting-edge network fault analysis and troubleshooting tool. Allegro Packets' Network Multimeter provides multiple dashboards that holistically integrate real-time monitoring to troubleshoot and optimize the network. Allegro Packets unifies multiple troubleshooting tools that are traditionally distributed among several appliances/products. Using the Allegro tool reduces complexity and TCO.

## Packet Description

As an increasing amount of network traffic is encrypted, troubleshooting becomes harder. Niagara OVP can host multiple solutions, including SSL/TLS decryption. With SSL/TLS decryption, synergy, and logical service, chaining can be defined to enhance the Allegro tool's value and benefit further.

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# StreamlineX

Deep Network Analysis is part of StreamlineX, Teneo's innovative framework combining market-leading technologies that empower Network and Security teams to embrace digital innovation and navigate the challenges of modern connectivity. The solution is a key component of Actionable Observability.
[Find out more about StreamlineX.](#)

# Next steps

To get started with Teneo's Deep Network Analysis, contact us to schedule a discussion today at **info@teneo.net.**



## Purpose Beyond Profit

In working with Teneo, you are helping to improve the lives of a million children around the world. [Learn more.](#)

# About Teneo

Most Network and Security teams are overworked so making progress is a challenge. We securely connect users to their applications by combining leading technology with expert guidance. You stay in control, simplify your operations and keep ahead of the game.

Find out more at www.teneo.net.

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