NIAGARA NETWORKS

TELESOFT

Solution Brief

Telesoft & Niagara Networks
Empower Carrier-Grade Network
Detection and Response

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Introduction

Niagara Networks, a leader in Network Visibility and Uptime Solutions, and Telesoft, a leading provider of Traffic Monitoring, Intrusion Detection and Analytics Solutions, have partnered to provide a unified and integrated network visibility, threat detection and data analytics solution which aims to bring advanced, high performance, network detection, analytics and visibility capabilities to Security and Network Operations teams.
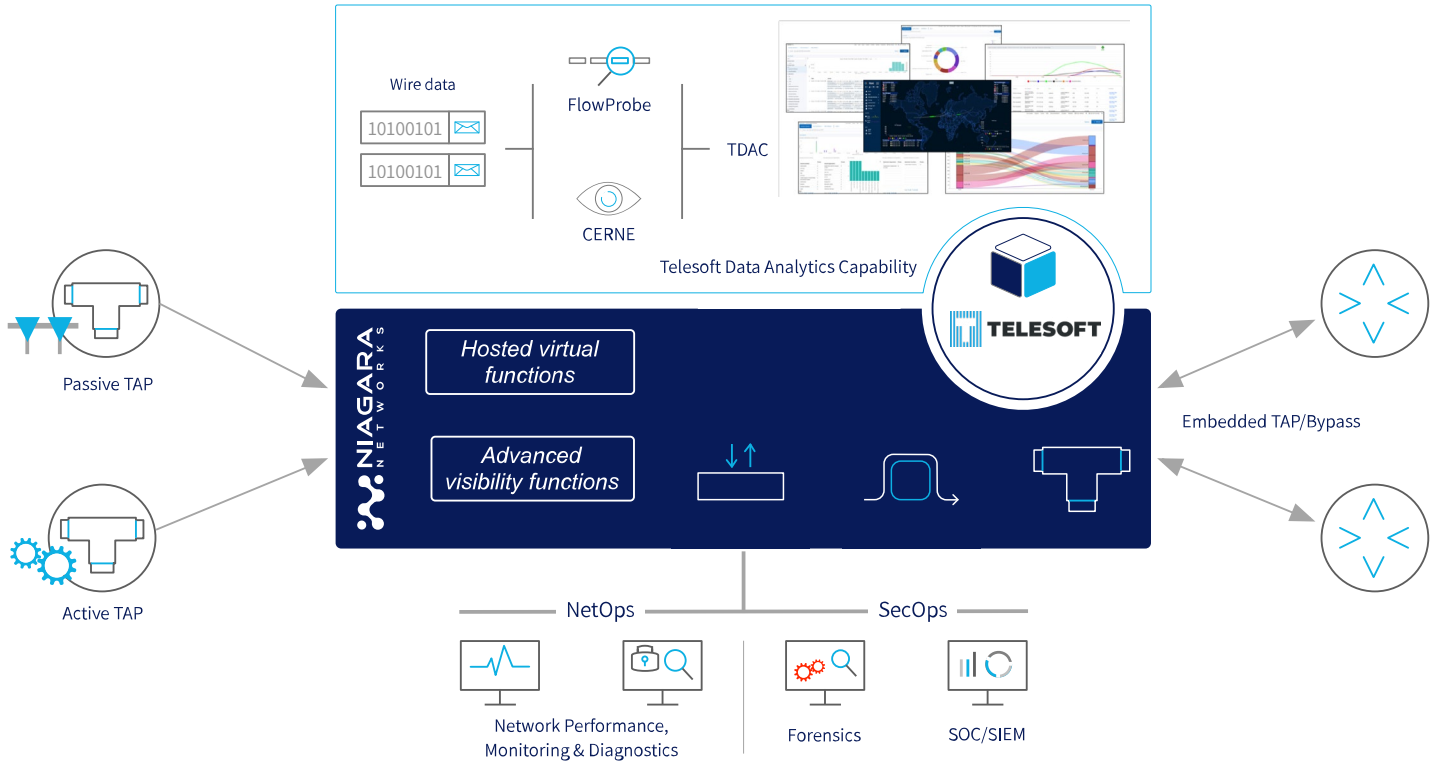
Challenges

Enterprises and Service Providers are challenged today with an increasing amount of threats coming from the internet as well as from the internal networks.

Intrusion Detection Systems (IDS) are placed traditionally on the perimeter of the network to protect the internal network from malicious traffic and hostile attacks. With the number of attack vectors in the internal network increasing, intrusion detection becomes a standard security practice for the internal network to improve and enhance the cybersecurity posture.

Deploying IDS systems in strategic positions using the traditional method has become ineffective and may impose visibility blind spots. Niagara Networks and Telesoft join forces to solve these challenges by creating an agile integration, this enables a unified high-performance platform to enable full packet visibility and traffic analysis across macroscale network segments, providing a centralised threat detection solution. Niagara Networks serves as an on-premise mediation layer that captures all traffic of interest from anywhere in the network, and delivers all required data to the Telesoft Data Analytics Capability (TDAC) platform for comprehensive threat detection.

Solution Benefits

With focused and optimized traffic flows from the Open Visibility Platform, the Telesoft solution hosted in the packet broker operates as an agile data analytics platform to deliver highly scalable real-time threat detection on a unified platform with the following benefits:

- **Continuous Network Visibility**
  Niagara Networks captures all traffic of interest from anywhere in the network and provides full packet visibility to the built in Telesoft TDAC system on the open architecture Packetron platform.

- **Simplified Deployment**
  The jointly integrated Telesoft TDAC and Niagara Networks solution makes it a perfect solution for midsize and large network deployments or remote locations at any rate from 1/10/40/100G.

- **Telesoft Data Analytics**
  High rate networks produce a lot of data. The Telesoft TDAC provides a scalable data lake and analytics platform, supporting threat hunting and digital forensics teams with the tools and data they require.

- **1GB to 100GE Monitoring**
  The jointly integrated Telesoft TDAC and Niagara Networks solution enhance visibility in large networks, multi-sites, or segmented networks, with complemented monitoring and security. Niagara Networks allows security and reporting tools to directly connect to the common platform and shares the aggregated flows to multiple tools as required.

- **Packet Conditioning**
  As network administrators span and tap various parts of their networks to feed into their network monitoring tools, they create a lot of duplicate packets. The deduplication feature included in the Niagara Networks solution reduces stress on the Telesoft TDAC platform by eliminating duplicates.

- **Integrated Visibility**
  Niagara Networks can host Telesoft's TDAC on its native compute platform for a pre-integrated solution.

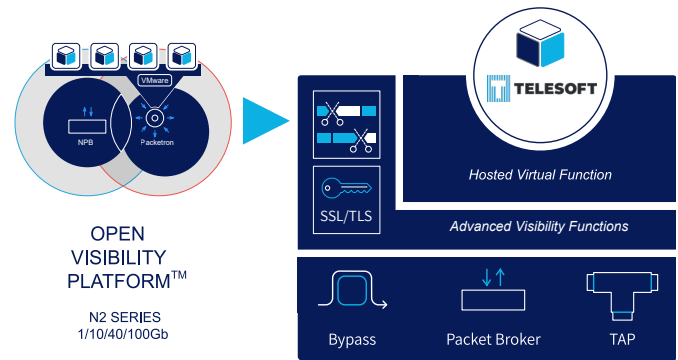## Why is Niagara Networks a Complement to Telesoft?

Niagara Networks delivers:

- Aggregates traffic from anywhere In the network to Telesoft's Network Detection
- Forward only the necessary flows to the Network Detection
- Load balance traffic from multiple links to Telesoft
- Large scale deployment with multi-site management
- Highly scalable solution to maintain network traffic monitoring for the most demanding digital infrastructures

Solution Summary

Niagara Networks' Packetron is a second-generation solution designed to meet the challenges of creating a robust visibility adaptation layer. In addition, Niagara's visibility adaptation layer transforms and grooms the traffic to the requirements and needs of connecting services.

Telesoft TDAC combines high-rate, unsampled network visibility with automated anomaly detection for real-time and historical threat hunting and digital forensics. The TDAC is a cost-effective platform which includes cutting edge technology to identify anomalies.

Both Niagara Networks and Telesoft offer the best in breed solutions that enhanced the monitoring capacity and simplicity in real time transactions. The Telesoft TDAC resides on the Niagara Network Packetron platform, where traffic from multiple network segments are groomed to the TDAC for granular analysis. This unique integrated approach provides a scalable, cost effective and simple deployment.

OPEN VISIBILITY PLATFORM™

N2 SERIES
1/10/40/100Gb

Hosted Virtual Function

Advanced Visibility Functions

SSL/TLS

Bypass   Packet Broker   TAP

N2 - Modular multi-purpose Terabit Packer Broker

About Telesoft

Founded in 1989, Telesoft Technologies is an independent global provider of Cyber Security and Government Infrastructure solutions and products. We develop, manufacture and support systems and applications that generate revenue and keep critical infrastructure secured and protected.
Our mission is to deliver cutting-edge technology that helps our customers stay one step ahead of their competitors, focusing on critical infrastructure protection, managed services and smarter data intelligence. We aim to drive growth and value in all the markets in which we work. Experts in innovation, Telesoft Technologies has been nurturing talent to solve the most complex engineering challenges for over 30 years.
For mor information visit us at www.telesoft-technologies.com

About Niagara Networks

Niagara Networks provides high performance network visibility solutions for seamless administration of security solutions, performance management and network monitoring. Niagara Networks products provide advantages in terms of network operation expenses, downtime, and total cost of ownership. A former division of Interface Masters, Niagara Networks provides all the building blocks for an advanced Visibility Adaptation Layer at all data rates up to 100Gb, including TAPs, bypass elements, packet brokers and a unified management layer. Thanks to its integrated in-house capabilities and tailor-made development cycle, Niagara Networks are agile in responding to market trends and in meeting the customized needs of service providers, enterprise, data centers, and government agencies. For more information please visit us at www.niagaranetworks.com.

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