# Fenror 7 & Niagara Networks Deliver Scalable High-Performance Network Security and Visibility

## Lateral Internal Thread detection and scalability with Fenror 7 and Nigara Modular Network Packet Broker

Niagara Networks, a leader in Network Visibility and Uptime Solutions, and Fenror 7, a cutting edge threat detection security product, have partnered to provide a highly scalable lateral internal threat detection analysis solution that provides security across various network deployments and device types.

With standard security models, the focus on stopping cyber threats has been only at the perimeter. This is changing. As cyber criminals' techniques evolve, lateral security breaches are becoming more and more common. Together, Fenror 7 and Niagara Networks offer a cost-effective and highly scalable, network security and analysis solution to address this challenge.

## Challenges

80% of NGFW's fail to detect internal threats. Attacking one computer is never enough. Lateral movement is the movement of a threat from one machine to another, computer to computer, server to server, server to computer, and more. Lateral movement can affect lots of devices making a potential threat a very large and wide spread attack. This can cause critical business systems failure, major downtime, loss of productivity, and much more.

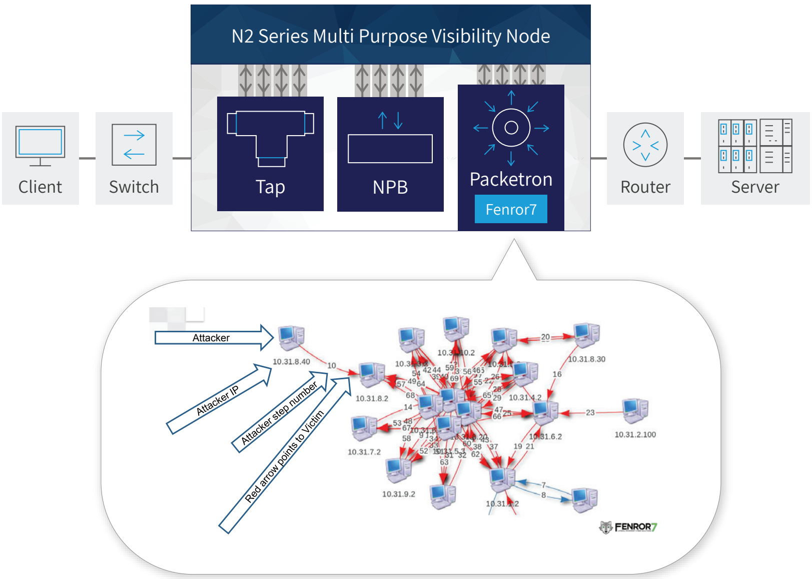
To add to this, another challenge with internal threats is time. Detecting cyber threats can take months, resulting in global annual losses estimated at hundreds of billions of dollars with financial firms, technology, utilities and energy companies taking most of the hit. Costing tens of thousands of dollars a day, undetected cyber-attacks can get costly if they are not detected quickly.

## Solution

Fenror7 and Niagara Networks provide a near immediate detection to cyber threats. The unique lateral movement detection coupled with the Niagara's Open Architecture Packetron allows Fenror7 to immediately detect threats while Niagara focusing on traffic grooming, filtering and aggregate 100% of the required network traffic for maximize the security posture.

Niagara Network Packet Broker and Fenror 7 simplifies large-scale deployment in plug & play lateral movement detection. Network connections from 1GB/10G/40G/100G can benefit from out of band deployment with agentless approach. Traffic is load balance, filtered and forwarded to the Open Architecture Packetron for inspection b Fenror7.

This unique approach of Threat Detection application on the NPB allows organization to detect and react to threats quickly and securely. The Niagara Networks system can also bypass traffic in the event of a network failure in order to ensure that the Fenror 7 system captures network traffic seamlessly without interruptions.



## Solution Applications

The integrated solution provides extensive network visibility and security tailored for enterprise and Telco environments that generate large amounts of network traffic and require a seamless way of retaining the traffic data for network security purposes.

Lateral Movement Detection - Organizations never intentionally provide direct access to their crown jewels from the outside. Even highly targeted and focused attacks require the attackers to move laterally throughout the organization's network, exploiting vulnerabilities in software, hardware and even business processes as they close in on their ultimate target within the organization.

Consistent early detection - By focusing on detecting attack concepts instead of exploited vulnerabilities, Fenror7's lateral movement detection engines require less updates compared to other solutions and are less sensitive to constant changes in attack trends and zero-days. Whether your enterprise's network consists entirely of workstations and servers, or if it also includes your vehicle fleet or coffee machines, Fenror7 will provide the same consistent early detection every time.

Scalability - Scale-out network monitoring solution: Multiple Fenror 7 detection engines can be designated to ingest traffic from a group of ports within a single or multiple Niagara NPB devices, which permits monitoring, recording, and analyzing network traffic in the hundreds of Gigabits per second (Gbps) range.

## Solution Summary

By having the Fenror7 engine resides on the Niagara Networks Open Architecture Packetron platform, different areas of the network can be easily analyzed for security threats. Adding Niagara's high port density, expanding coverage of network links to be monitored and analyzed can be easily accommodated with all of the traffic seamlessly stored in the Fenror 7 system.

Niagara NVC - Niagara Visibility Controller is SDN based Solution for management, provides multi-sites management for early detection and inspection by Fenror7.

The joint solution allows a flexible lateral network security platform, leveraging the power of Niagara's packet broker, bypass, and TAP's with Fenror 7 near real time cyber security analytics.

## About Fenror 7

Armed with the understanding that existing security solutions do not provide the expected fast, consistent and effective detection of internal cyber threats, Fenror7 set out to provide a better and more efficient way to solve the problem by addressing it from an attacker's point of view. While other solutions attempt to detect lateral movement based on techniques that rely on end-point solutions, signatures or user behavior, we reveal undetected cyber threats as they move by detecting attack concepts which can't be avoided or easily disguised as the attack spreads out through your network.

## 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.