NIAGARA NETWORKS

netsweeper

Solution Brief

Niagara Networks and Netsweeper Empower Carrier-grade AI-driven Advanced Internet Filtering Service

Niagara Networks and Netsweeper Empower Carrier-grade AI-driven Advanced Internet

Netsweeper, an internet content filtering and web security solution provider, has been integrated on Niagara Network's Open Visibility Platform™ to enable carrier-grade agile security deployment with hyperconverged packet brokering pervasive network visibility. Serving as an open deployment hub, the Open Visibility Platform hosts Netsweeper inside Network Packet Broker and provides it with the appropriate, pre-processed, and decrypted network traffic to deliver comprehensive content visibility and control to SecOps.

The Netsweeper AI-assisted system scans and assigns content to categories automatically, in real-time, without human intervention. The Netsweeper solution provides web security tools necessary to optimize network usage while providing all users with a positive, productive, and safe Internet experience.

Challenges

• Complex processes in policy and content control across heterogenous web communication environments

• Limited deep packet visibility in web edge-to-edge encrypted traffic flows

• Traditional Internet filtering services lack AI automation and pose operational overheads

• Enormous flood of web traffic overwhelms security and networking stacks without carrier-grade protection and scale

Niagara Networks and Netsweeper join forces to solve these challenges by unprecedented agile integration in a unified high-performance platform to enable full packet visibility and content control for carrier-grade environments. Niagara Networks' serves as mediation layer visibility toolkit that captures all traffic of interest at any rate, from anywhere in the network, and delivers laser-precision flows from packet broker to Netsweeper for comprehensive internet content classification, filtering, reporting and threat detection.

The joint solution is scalable and adaptable for government organizations, large enterprises, educational institutions, and service providers.

Joint Solution Benefits

With focused and optimized traffic flows from the Open Visibility Platform, the Netsweeper system hosted in packet broker operates as agile Internet Filtering solution to deliver a highly scalable real-time content analysis, control and reporting on a unified platform with the following benefits:

- **Increased Content Visibility** to SecOps with Netsweeper AI deep content inspection powered by Niagara Networks' pervasive traffic intelligence and packet visibility

- **AI-driven Internet Filtering** Service categorizes and maintains the definitions of more than 90 categories in more than 30 languages

- **Simplified Deployment as a Single Platform** - the jointly integrated Netsweeper and Niagara Networks solution makes it a perfect all-in-one scalable platform for country-wide network deployments or specific remote locations at any rate and required micro segmentation

- **Ability to inspect encrypted traffic** - as an increasingly amount of web traffic is encrypted, threat detection becomes harder. The SSL/TLS decryption capabilities of the joint solution enables the Netsweeper deep visibility and effectiveness of uncompromised edge to edge content security operations

- **Reduced time to action** to enable full policy, control and reporting with Netsweeper web-admin graphs.
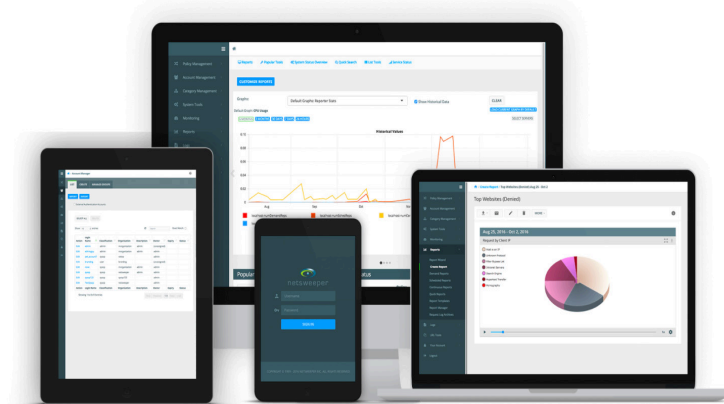
Open Visibility Platform Value Proposition - The Road to Deployment Agility

- OVP provides an open, high performance unconstrained deployment hub for hosting virtualized solutions combined with intelligent network traffic delivery capabilities to unlimited security and networking solutions.

- Address the NetOps & SecOps challenge - the ability to deploy a security or a networking solution in the network has been a long, complicated process – one of the least agile in the enterprise.

- Freedom to choose -not tied to closed garden offerings of a particular vendor.

- Deployment Hub - enables agility and flexibility by providing a deployment hub to easily host and serve multiple security and networking solutions. The deployment hub is a high performance/high-reliability appliance that meets stringent demands for the core networking reliability, scalability and performance required by networking teams.

- Getting the Right Traffic the Right Way - intelligently deliver traffic and configure policies and rules to establish traffic flows to and from solutions. Determine the logical sequence of traffic being sent to the hosted applications as needed. Policies, actions and traffic steering can be triggered to address host application failure and failover conditions.

OPEN VISIBILITY PLATFORM™

N2 SERIES
1/10/40/100Gb
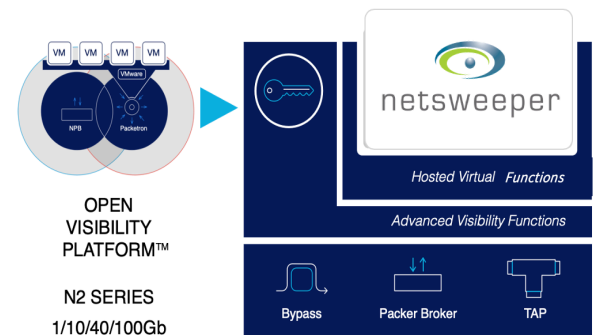
N2 - Modular multi-purpose Terabit packet broker
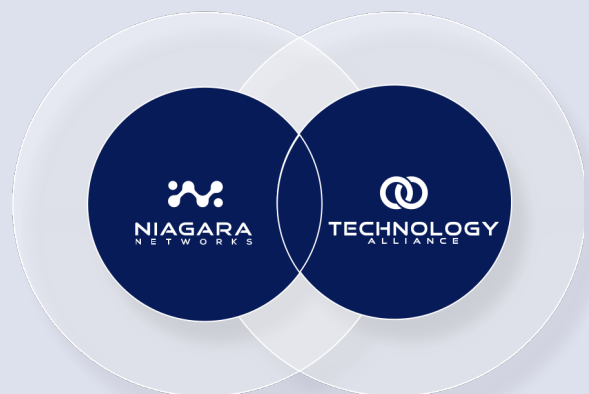
About Netsweeper

Netsweeper is a leading provider of application and internet content classification and filtering solutions for educational institutions, government organizations, businesses, service providers, carriers, and OEM partners around the world. The Netsweeper platform provides web security tools necessary to optimize network usage while providing all users with a positive, productive, and safe Internet experience. Our web content categorization technology uses artificial intelligence to scan and assign content to categories automatically, in real-time, without human intervention. Founded in 1999, Netsweeper is headquartered in The Hague, Netherlands, with offices in the UK, Dubai, India, and Canada, plus additional distributors in Australia, the United States, Middle East, and South America.

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About Niagara Networks

Niagara Networks™ is a Silicon Valley based company that pioneers the Open Visibility Platform™ to bring desperately needed agility to network security.

Niagara Networks provides high-performance, high-reliability network visibility and traffic delivery solutions for the world's most demanding service provider and enterprise environments.

We Design, Develop and Manufacture our Products in Silicon Valley, USA.