packetsled

Interface Masters
TECHNOLOGIES
Innovative Network Solutions

## PacketSled & Interface Masters provide Sophisticated Network Forensics and Visibility Solution

*Comprehensive Network Monitoring and Breach Detection with PacketSled Sensor and Niagara 4248 Network Packet Broker*

PacketSled, a leader in Network Security and Interface Masters, a leader in Network Visibility and Uptime Solutions, have partnered to ensure a complete network security solution by providing continuous monitoring, breach detection, incident response, and full network forensics across single and multi-network link deployments.

Together, PacketSled and Interface Masters offer an infinitely scalable, plug-and-play, passive monitoring solution that delivers industry leading network security while ensuring network visibility and uptime, with intuitive user interface, reporting and alerts.

### Challenge

Protecting the enterprise from an ever-evolving threat landscape requires both real time analytics and a comprehensive forensic history across complex network architectures. These functions must be provided at scale and in a cost effective manner.

Additionally, to produce meaningful ROI, a user interface which allows analysts to leverage the resulting detections and history, should allow organizations to reduce the time required to investigate and resolve network security incidents.

### Solution

Together, PacketSled and Interface Masters provide a scalable solution that ensures Network Visibility into 1G and 10G Critical Network links. The solution provides a forensic record of network traffic allowing the identification, analysis and resolution of sophisticated security threats, breaches, and anomalous user behavior.

An Interface Masters (or any industry standard) 1G or 10G Network TAP or Span port can be connected to the Interface Masters' Niagara 4248. The PacketBroker ports (1G/10G flexible SFP+ ports) provide the ability to load balance, aggregate, filter and/or mirror the Network traffic provided by the TAP or Span to one or multiple PacketSled sensors. PacketSled sensors then perform deep packet inspection to extract all attributes required to perform forensic analysis, while compressing the data to 1/100th of it's original size. This data is then processed with analytics, file analysis, known signatures and behavioral rules to alert to actionable security incidents. PacketSled's Network Forensics platform allows users to query network traffic via a natural language syntax and visualize the results to detect advanced threats. Analysts collaborate to resolve incidents in record time and report findings to stakeholders. PacketSled sensors are software based and can be installed on commodity hardware.

The integrated solution provides a passive network monitoring and visibility package tailored to protect enterprises, service providers, telcos, data centers, governments and institutions.

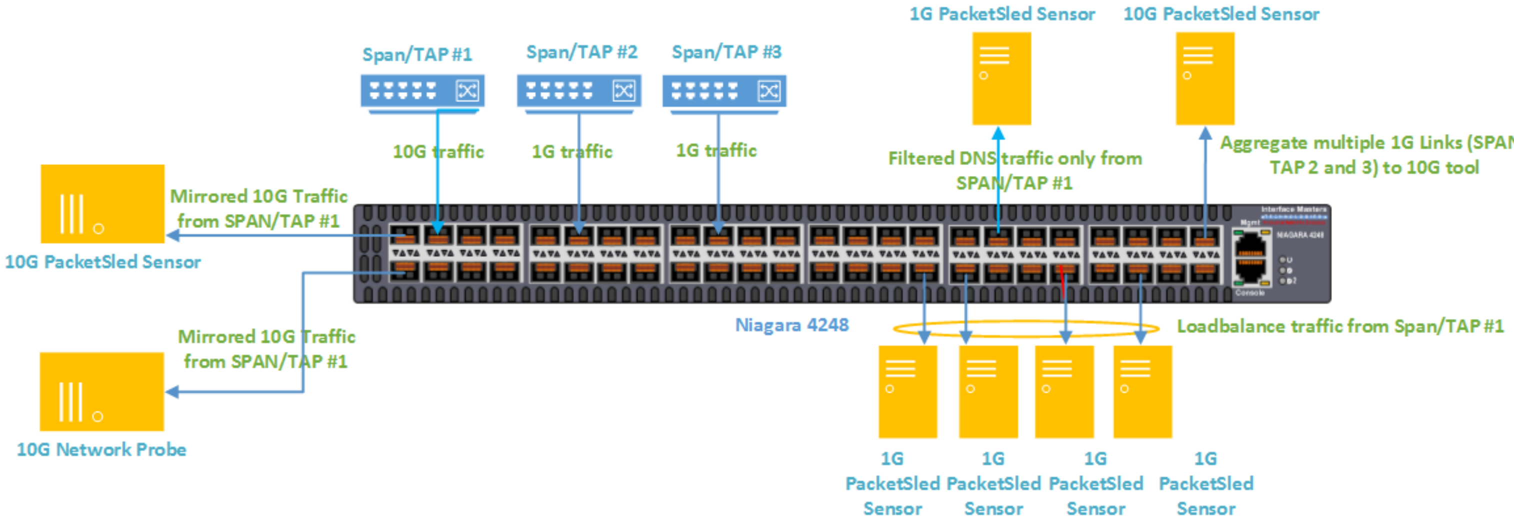
### Solution Benefit Summary

- Plug & Play, User friendly Web GUI/Management
- Scalable Enterprise grade visibility & security solution
- Ensures Comprehensive Network Access, Visibility and uptime
- Support for 10G & 1G Network TAP, Filtering, Mirroring, Aggregation, Load Balancing and Speed Conversion between Network Links & Monitoring/Security Tools
- Continuous Monitoring and Breach Detection
- Comprehensive Network Forensics
- Software based Sensors can be deployed on commodity hardware or in virtual environments
- Detection via Analytics, Signature, Behavioral and File Analysis
- Query and Visualize Network Traffic
- Network Analytics, reporting, and alerting
- Cost-effective solution

**Solution Applications**

Common applications of Interface Masters Niagara 4248 Network Packet Broker & PacketSled Sensors are as follows:

- Niagara 4248 provides session-based loadbalancing and network speed conversion which enables 10G Network links to be monitored by 10G or 1G Security/Monitoring tools. With the Niagara 4248 in place, an end customer can simply connect 10G Network links into the Niagara 4248 (via TAP or SPAN) and loadbalance the 10G feed to a series of 1G or several 10G PacketSled Sensors, while maintaining session integrity
- Niagara 4248 provides ability to Filter 10G traffic based on IP, MAC, Port, Protocol, VLAN ID or create a user defined byte and then send only the traffic that is relevant to the PacketSled Sensor for processing, enabling the Sensor to focus on the types of network traffic that pose a threat to the network and drop the rest. An example would be to take in a 10G feed and filter out DNS or Port 53 traffic and send only that traffic via a "PacketMaster" port to a port on a Sensor
- Niagara 4248 provides the capability to take in a 10G or 1G network feed and mirror that traffic to multiple PacketSled Sensors (or a PacketSled Sensor and one or multiple other brands of monitoring or security devices) to provide in-depth, multi-layered analysis on the same critical network link
- Niagara 4248 can enable multiple 1G network links to be tapped/spanned and then aggregated to a 10G PacketSled Sensor for analysis and monitoring. An example would be tapping the marketing, accounting, engineering and operations department 1G network links, collecting and aggregating the traffic via the Niagara 4248 and sending the traffic to a 10G Sensor

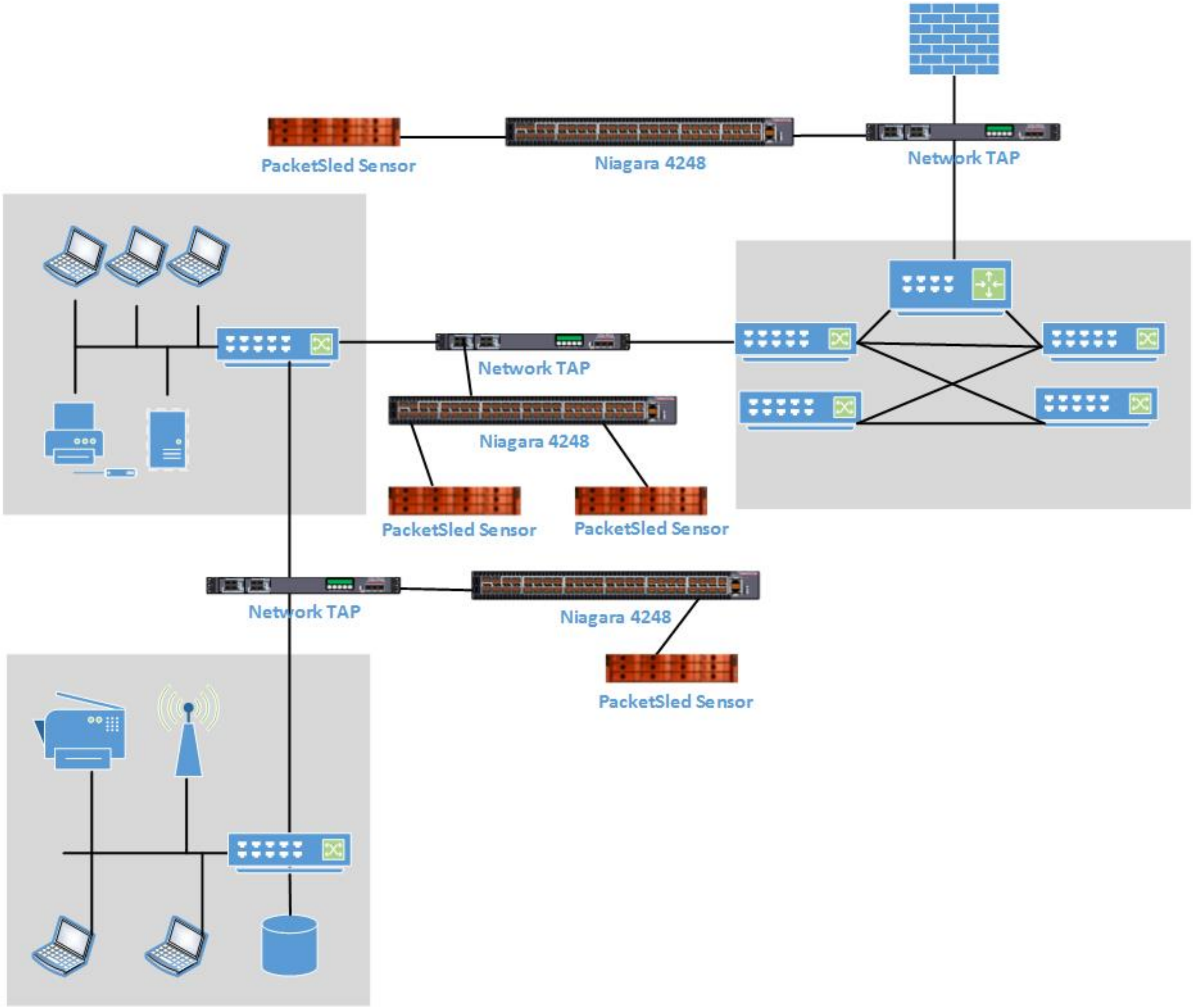


**Application Diagram – Interface Masters Niagara 4248 and PacketSled Sensor**

**Deployment Options**

The PacketSled/Interface Masters Solution can be passively deployed at any strategic network point including:

- Core/BackBone
- Distribution
- Access
- Edge
- DMZ
- Site to Site
- Corporate Backhaul
- Remote Office
- DataCenter/Central Office



**Example Network Topology Diagram**

**About PacketSled**

PacketSled provides a cloud-based Breach Detection, Network Forensics and managed Incident Response platform. PacketSled continuously monitors for advanced threats and provides full-fidelity network history, allowing analysts to identify and respond to incidents in record time. Software Sensors can be deployed across the Enterprise in 15 minutes. The company is based in San Diego with offices in San Mateo. For more information, please go to http://www.packetsled.com/

**About Interface Masters Technologies**

Interface Masters Technologies is a leading vendor in the network monitoring and visibility market including External Bypass and Failover Switches, PacketMaster® Network Packet Broker, Passive TAP, and Active TAP, based in the heart of the Silicon Valley. Interface Masters' expertise lies in Gigabit, 10GbE, 40GbE and 100GbE networking solutions that integrate with monitoring, inline networking, IPS, UTM, Load Balancing, WAN acceleration, and other mission-critical IT and security appliances. Company Headquarters are located in San Jose, CA with satellite offices in Hong Kong and Europe.