

PerfTech & Interface Masters Provide Advanced Network Visibility and In-Browser Messaging Solution

Comprehensive Passive Solution for CSPs: In-Browser Communication with PerfTech Bulletin System and Niagara 2804 Network Tap/Packet Broker

PerfTech, a leader in in-browser messaging, and Interface Masters, a leader in Network Visibility and Uptime Solutions, have partnered to offer a turn-key network communication solution that provides visibility into all network traffic and proactive subscriber messaging services, providing full coverage across single and multi-network link deployments.

The joint PerfTech and Interface Masters solution offers a cost-effective way to provide highly granular network visibility to CSPs, as well as time-critical account and marketing information to subscribers. Together, PerfTech and Interface Masters ensure a plug-and-play passive network communication solution that ensures network access and uptime, with intuitive and comprehensive user interfaces, reporting and alerts.

Challenge

To keep CSP subscribers informed regarding network events, opportunities, threats, and other regular or sporadic occurrences that affect their service, a solution is required that can comprehensively monitor network links and provide CSP-branded, in-browser communications that deliver personalized content to their subscribers on an individual basis. The growth of network speeds, compliance requirements, CSP business models and product offerings requires a scalable, advanced and customizable solution that ensures network visibility and flexible communications across complex network topologies.

Solution

Together, PerfTech and Interface Masters provide a scalable solution that offers Network Visibility at 1G and 10G Critical Network links and provides access to the appropriate network traffic to allow communication with groups of or specific subscribers for a wide range of use cases.

The Network TAP ports of the [Niagara 2804](#) connect to each side of one or multiple bi-directional 1G or 10G network links and transparently pass network traffic while ensuring network uptime in case of any power failure, link loss or software crash via fail-to-wire protection. The PacketBroker ports (1G/10G flexible SFP+ ports) provide the ability to loadbalance, aggregate, filter and/or mirror the tapped Network traffic to one or multiple PerfTech Bulletin Directors. The Bulletin Director offers CSPs in-browser messaging capabilities with use cases including late-bill pay, data usage services, modem swap, virus and outage alerts, copyright infringement and newly acquired subscriber migration. The integrated solution provides a seamless passive network visibility and communication solution tailored to CSPs.

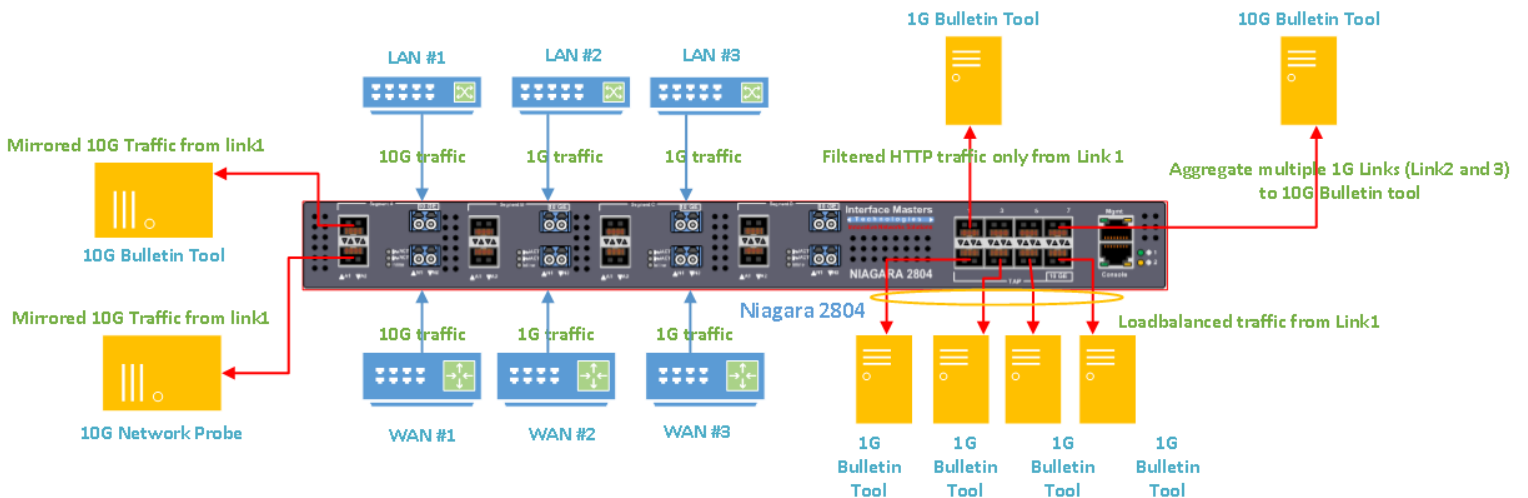
Solution Benefit Summary

- Plug & play, user friendly Web GUI/Management
- Scalable CSP grade visibility & communication solution
- Ensures comprehensive network access, visibility and uptime
- Support for 10G & 1G Network TAP, Filtering, Mirroring, Aggregation, Loadbalancing and Speed Conversion between Network Links & Monitoring Tools
- Deliver time-critical account and marketing information to subscribers
- Supports in-browser communication including late-bill pay, data usage, modem swap, virus alerts, outage alerts, copy infringement
- Network Analytics, reporting and alerting
- Cost-effective solution

Solution Applications

Common applications of the Interface Masters [Niagara 2804](#) and PerfTech Bulletin Director solution are as follows:

- Niagara 2804 provides session based loadbalancing and network speed conversion which enables 10G Network links to be monitored by 10G or 1G PerfTech Bulletin Director ports. With the Niagara 2804 in place, an enterprise can simply connect 10G Network links into the Niagara 2804 and loadbalance any 10G feed to a series of 1G or several 10G PerfTech Bulletin Director ports, while maintaining session integrity
- Niagara 2804 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 PerfTech Bulletin Director 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 HTTP Traffic or Port 80 traffic and send only that traffic via a “PacketMaster” port to a port on a PerfTech Bulletin Director
- Niagara 2804 provides the capability to take in a 10G or 1G network feed and mirror that traffic to multiple PerfTech Bulletin Directors (or a PerfTech Bulletin Director and other brands of monitoring or security devices) to provide in depth or multi-layered analysis on the same critical network link
- Niagara 2804 can enable multiple 1G or 10G network links to be tapped and aggregated to a 10G PerfTech Bulletin Director port for analysis and monitoring. An example would be tapping the marketing, accounting, engineering and operations 1G network links and aggregating the traffic via the Niagara 2804 and sending the traffic to a 10G PerfTech Bulletin Director.

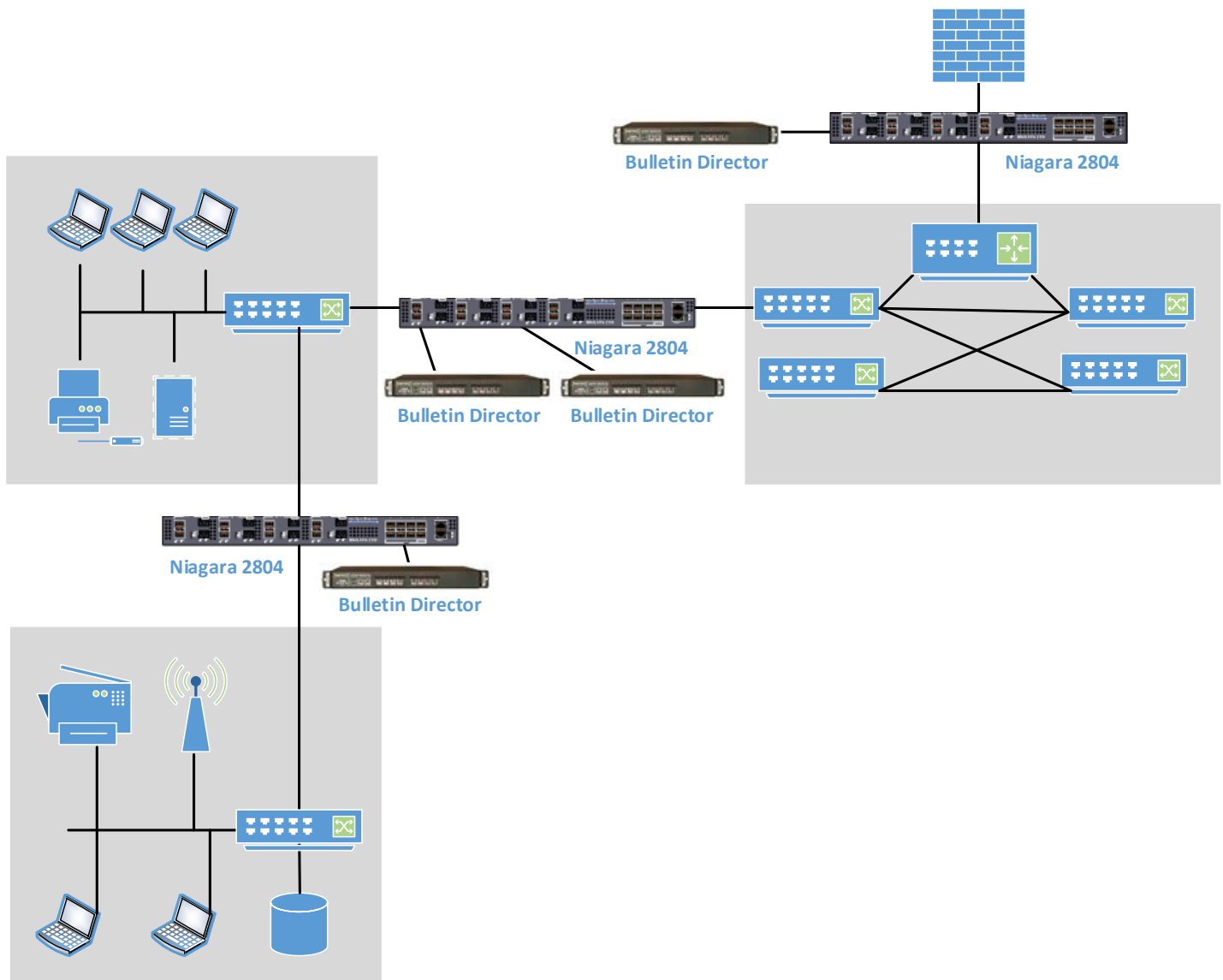


Application Diagram – Interface Masters Niagara 2804 and PerfTech Bulletin Appliance

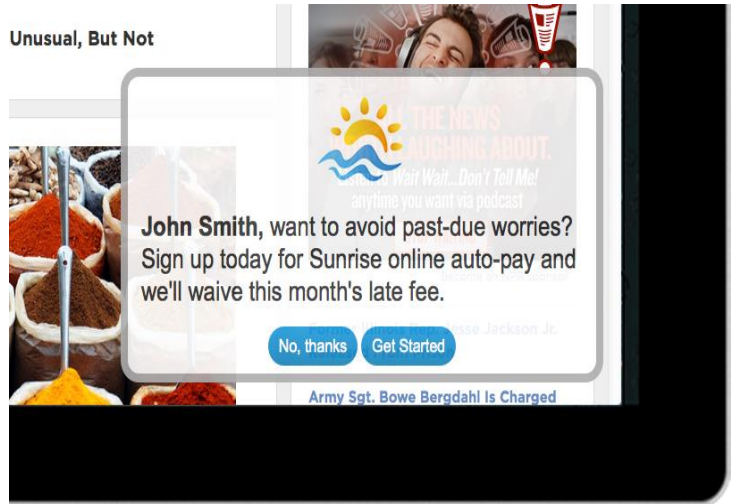
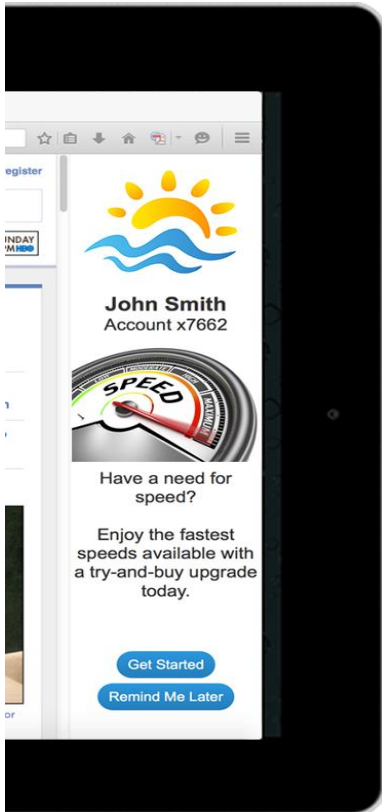
Deployment Options

The Solution can be easily deployed passively 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



Examples of In-Browser Messages enabled by PerfTech’s Bulletin System

About PerfTech

PerfTech, Inc., enables CSPs to communicate proactively with subscribers while they are online through the company’s patented in-browser messaging product, Bulletin System. Designed to supply the carrier-grade performance and scalability required to support millions of users, PerfTech’s subscriber notification technology is proven in deployed CSP networks worldwide. It has successfully delivered billions of verified messages to subscribers’ browsing devices over the past 15 years. For more information, please go to <http://www.perfttech.com/>

About Interface Masters Technologies

[Interface Masters Technologies](http://www.interfacemasters.com/) 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. For more information, please go to <http://www.interfacemasters.com/>