

HP Tipping Point and Interface Masters Joint Solution

IPS Deployment

HP TippingPoint delivers an adaptive security Intrusion Prevention System (IPS) to protect against cyber threats that target applications, networks, and critical data. The systems can give levels of in-line, real-time intrusion protection and proactive network security as your networks and data centers evolve and grow. HP and Interface Masters have created a solution to ensure no network downtime could be created with the deployment of an IPS device.

Niagara Bypass Operation

The Interface Masters External Bypass product line provides the protection to assure 100% network uptime while it can be easily configured to work with the HP TippingPoint N and NX line of Next-Generation Intrusion Prevention Systems (NGIPS).

If the HP TippingPoint system fails for any reason due to power loss, or if it simply is not passing traffic, the Niagara bypass unit will detect this failure and reroute all network traffic to bypass the NGIPS, keeping the traffic flowing on the network.

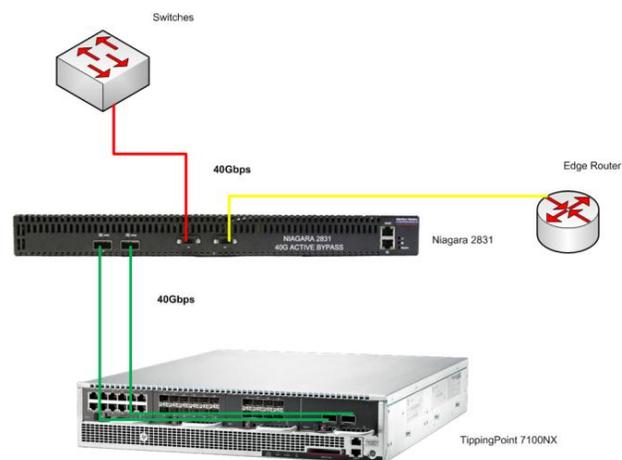
The Niagara bypass units can also be configured to not allow traffic to flow if it detects failure in the HP TippingPoint NGIPS. This feature is essential for networks that have redundant paths. The networking devices on the network will detect that the traffic is not flowing on the route where the Niagara bypass unit is present, and will then reroute the traffic using the backup path.

The Niagara bypass units will send out a layer 2 Ethernet frame heartbeat (by default) in order to verify appliance health. The heartbeat can be configured to be ICMP, TCP Syn, IPX or UDP packet. The HP TippingPoint NGIPS will process

the packet and forward this heartbeat from its input port to its output port with no configuration by default.

Qualified HP TippingPoint Systems

The HP TippingPoint 7100NX system has been verified and tested with the dual-port 40Gbps module installed along with the Niagara 2831, a 40Gbps Bypass Switch. The HP TippingPoint 7100NX system has also been tested and verified with the Niagara 2841. This topology is recommended for 10Gbps networks. Up to 4 10Gbps network segments can be utilized on the Niagara 2841 bypass unit. The bypass can protect a 40Gbps network by load balancing the traffic to four 10Gbps IPS systems.



The HP TippingPoint 2500N system has been qualified with the Niagara 2299, a 1Gbps External Bypass unit. The Niagara 2299 provides network protection for up to four 1Gbps Appliances (Fiber or Copper). The Niagara 2818 is a 10G quad-segment Bypass switch. This can also provide network protection for up to four 10Gbps appliances such as the TippingPoint 2500N. The Niagara 2818 has a high availability mode, where if two appliances are connected, and if the primary appliance fails, all traffic will be re-routed to the secondary appliances.

About Interface Masters Technologies

Interface Masters Technologies is a leading vendor in the network monitoring and visibility market including Bypass, TAP, switches and smart NICs products, based in the heart of the Silicon Valley. Interface Masters' expertise lies in Gigabit, 10GbE and 40GbE networking solutions that integrate with monitoring, inline networking, IPS, UTM, Load Balancing, WAN acceleration, and other mission-critical IT and security appliances. Flagship product lines include PacketMaster® Network Packet Broker, specialized 10GE internal server adapter cards, switches, 10Gb and 40Gb external intelligent Network TAP and Bypass and failover systems. Company Headquarters are located in San Jose, CA with satellite offices in Hong Kong and Europe. For more information, contact: sales@interfacemasters.com or visit www.interfacemasters.com.

About HP Enterprise Security

HP is a leading provider of security and compliance solutions for the modern enterprise that wants to mitigate risk in their hybrid environment and defend against advanced threats. Based on market-leading products from HP ArcSight, HP Fortify, and HP TippingPoint, the HP Security Intelligence Platform uniquely delivers the advanced correlation, application protection, and network defenses to protect today's hybrid IT infrastructure from sophisticated cyber threats. Find out more at: hpenterprisesecurity.com/products/hp-tippingpoint-network-security