

Metaflows and Interface Masters Joint Solution Brief

Introduction

Interface Masters and Metaflows have partnered together to deliver an innovative joint monitoring solution. MetaFlows analyzes the behavior of Internet traffic, as it uniquely identifies dangerous network activity as well as previously unknown Malware because it relies on multi-session analysis of internal assets rather than solely focusing on enforcing perimeter defenses. The analysis is performed using at least 5 intelligence sources at once and the results are sent to the MetaFlows' cloud where they become available for secure browsing.

Interface Masters is a leading vendor in the network visibility market and it provides the ability to see 100% of traffic flows by providing security/monitoring systems and tools access to the network links without interrupting the connectivity. The solutions provided by Interface Masters support 1G, 10G, 40G and/or 100G media .

Solution

In order to uniquely identify hidden threats, Metaflows' hardware appliance needs to perform several CPU-intensive deep packet inspection functions in real time. These intensive processing requirements are carried out on a 64-core multi-processor system that cannot scale beyond 10 Gbps.

Interface Masters offers a traffic balancing solution that allows scaling MetaFlows' technology to protect 40GB network links.

The first step is to place an Interface Masters 40Gbps network TAP (Niagara 3225PT) to generate a copy of the network traffic without interrupting the original traffic flow. This traffic is then sent to an Interface Masters' 40G PacketMaster (Niagara 4232-4XL) which then splits the the 40Gbps traffic into four streams of network data to 4 METAFLOWS 64-C appliances which can support 10Gbps processing.

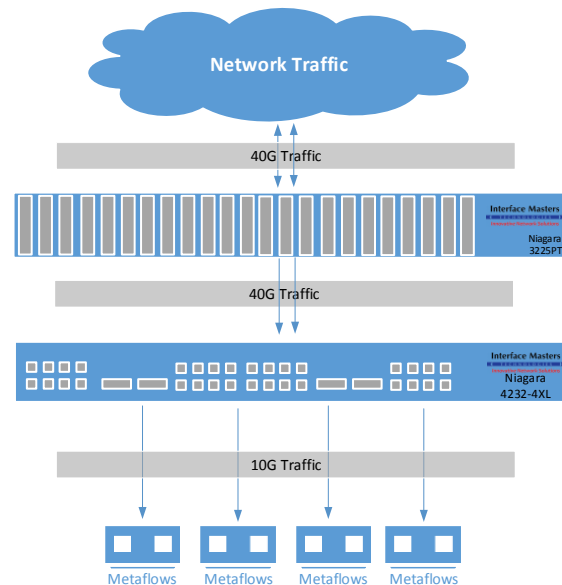


Figure 1: Traffic flow from network traffic to Metaflows device

The network traffic is load balanced over the devices while maintaining session integrity, which means that each METAFLOWS 64-C appliance gets complete multi-session information for each of the internal hosts.

This solution ensures that METAFLOWS' multi-session technology can be deployed in any large network environment, such as schools, government and enterprises without missing important correlation data.

The Niagara 4232-4XL's advanced features such as line-rate filtering, aggregation and packet slicing can further reduce the traffic the METAFLOWS 64-C appliances need to process by fine-tuning each deployment configuration.

With this multi-vendor solution, this networking solution can be easily deployed to better serve and protect network traffic.

Interface Masters Technologies

Interface Masters Technologies is a leading vendor in the high speed network visibility market based in the heart of the Silicon Valley. Flagship product lines include Network Packet Brokers, specialized 10G internal server adapter cards, switches, external intelligent Network TAP and Bypass and failover systems that increase network monitoring capabilities, network reliability and inline appliance availability. Company Headquarters are located in San Jose, CA with satellite offices in Hong Kong and Europe.

Metaflows

[MetaFlows](#) develops cutting-edge, network security [software](#) that identifies dangerous network activity as well as (previously unknown) hidden Malware. MetaFlows' software runs on standard hardware, virtual architectures, and network security appliances to analyze the behavior of Internet traffic [from 50 Mbps to 10 Gbps](#). Metaflows' products are today enjoying considerable traction because they demonstrably provide an unprecedented combination of cost-effectiveness and sophistication in the detection and prevention of Malware and other network-based attacks.