

“The GigaVUE- 2404 solution worked while delivering quick ROI for ICE. The GigaVUE packet filtering technology is the most robust in the marketplace today.”

// Jose Veras, Senior Security Engineer



Business Challenge

IntercontinentalExchange deployed multiple 10Gbps and 1Gbps TAPs throughout their network infrastructure on external links, but did not yet have a comprehensive, centralized, and cost-effective way to access and monitor secure mission-critical traffic. IntercontinentalExchange previously needed to purchase an appliance for each individually tapped link. Due to the increased growth of the external network, this method of monitoring was unsustainable. IntercontinentalExchange’s required solution needed to aggregate, filter and replicate network traffic of various link speeds and distribute the traffic to the appropriate tools, increasing the efficiency of the tools. It was vital that the solution could handle the traffic at full line-rate for newer 10Gbps monitoring tools while protecting current investments in 1Gbps security and compliance tools.

Resolution

By deploying the GigaVUE-2404 Traffic Visibility Node from Gigamon, the network team consolidated the management of multiple 10Gbps and 1Gbps TAPs. Mapping input and output filters based on IP address range corresponding to the server switches were used to divide traffic into different logical groupings so that each monitoring tool was responsible for monitoring traffic belonging to one or several specific business functions. This streamlined the deployment of multiple 10Gbps and 1Gbps monitoring tools and optimized the use of current 1Gbps by allowing them to capture 10Gbps network traffic through the use of Gigamon’s filtering technology. The Gigamon industry-leading low-latency solution accomplished these tasks without disrupting the production network traffic.

Refer to Figure A on back.

IntercontinentalExchange (NYSE: ICE) operates leading regulated exchanges, trading platforms and clearing houses serving the global markets for agricultural, credit, currency, emissions, energy and equity index markets. The company offers an integrated electronic trading platform for side-by-side trading of products in both futures and OTC markets, together with clearing, post-trade, and market traffic services.

Challenge:

- Consolidate 10Gbps and 1 Gbps network links and protect investments in 1Gbps monitoring tools

Resolution:

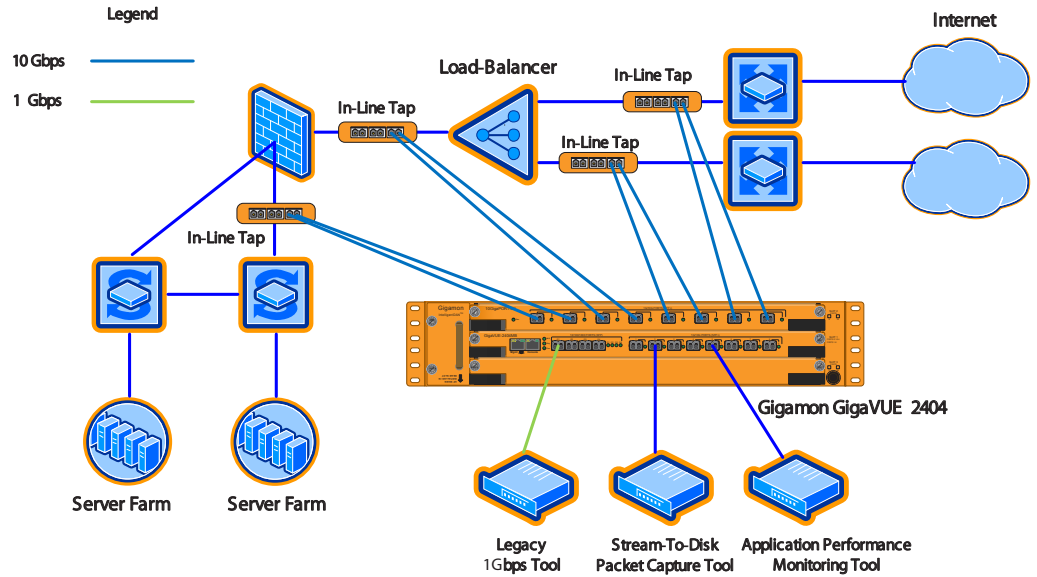
- GigaVUE-2404 Traffic Visibility Nodes from Gigamon

Benefits:

- Aggregated, filtered, replicated, and load divided 10 Gbps traffic for a variety of tools
- Optimized tool efficiency through filtering
- Centralized management of monitoring resources
- Provided secure access and complete visibility

FIGURE A

Network monitoring solution after implementing GigaVUE®



Benefit

With Gigamon’s solution, IntercontinentalExchange was able to consolidate and secure all network-critical tapped connections in one centrally controlled solution. The GigaVUE-2404 provided the team with the ability to seamlessly route traffic to newer 10Gbps monitoring tools and legacy 1Gbps monitoring tools using Gigamon’s low-latency multi-tool maps and filtering. The filtering capability dramatically increased the efficiency of the tools enabling them to be more effective by only forwarding traffic specified by the network team. Gigamon also protected their existing investments in legacy monitoring tools. The Gigamon architecture helped contain costs of the expanding network infrastructure. The functionality and feature set of the GigaVUE-2404 granted the network team with secure access and complete visibility of their network.

About ICE

IntercontinentalExchange (NYSE: ICE) operates leading regulated exchanges, trading platforms and clearing houses serving global markets for agricultural, credit, currency, emissions, energy and equity index markets. ICE operates three futures exchanges including London-based ICE Futures Europe, which hosts trading in half of the world’s crude and refined oil futures contracts traded each day. ICE Futures U.S. and ICE Futures Canada list agricultural, currency and Russell Index futures and options markets. ICE also provides trade execution, processing and clearing services for the over-the-counter (OTC) energy and credit derivatives markets. A component of the Russell 1000® and S&P 500 indexes, ICE serves customers in more than 55 countries and is headquartered in Atlanta, with offices in New York, London, Chicago, Winnipeg, Calgary, Houston and Singapore.

About Gigamon

Gigamon provides intelligent Traffic Visibility Networking solutions for enterprises, data centers and service providers around the globe. Our technology empowers infrastructure architects, managers and operators with unmatched visibility into the traffic traversing both physical and virtual networks without affecting the performance or stability of the production environment. Through patented technologies, the Gigamon GigaVUE portfolio of high availability and high density products intelligently delivers the appropriate network traffic to security, monitoring or management systems. With over seven years experience designing and building intelligent traffic visibility products in the US, Gigamon serves the vertical market leaders of the Fortune 1000 and has an install base spanning 40 countries.

For more information about our
Gigamon products visit:

www.gigamon.com