

Intercontinental Exchange Improves Security, Visibility and Quick ROI with Gigamon



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

CHALLENGE

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

SOLUTION

GigaVUE-2404 Traffic Visibility Nodes from Gigamon

CUSTOMER BENEFITS

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

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.

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.

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 GIGAMON

Gigamon is the first company to deliver unified network visibility and analytics on all data-in-transit, from raw packets to apps, across physical, virtual and cloud infrastructure. We aggregate, transform and analyze network traffic to solve for critical performance and security needs, including rapid threat detection and response, freeing your organization to drive digital innovation. In short, we enable you to run fast, stay secure and innovate. Gigamon has been awarded over 75 technology patents and enjoys industry-leading customer satisfaction with more than 3,000 organizations, including 80 percent of the Fortune 100. Headquartered in Silicon Valley, Gigamon operates globally. For the full story on how Gigamon can help you, please visit www.gigamon.com.

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