Case Study

Vela Trading Technologies Implements Real-Time Troubleshooting with Gigamon

When you oversee a network that processes more than 80Gb per second, it's important to identify issues related to bandwidth and latency right away, and Gigamon is a crucial partner in this.

MICAH KROEZE
Vice President of Infrastructure and Security

Challenges

- Eliminate losses for financial service clients
- Maintain continuous flow of market information with maximum delivery speed
- Protect sensitive financial data from compromise

Solution

Gigamon Deep Observability Pipeline

Customer Benefits

- Gained granular visibility into data flows and optimized filtering
- Improved management and security
- Increased visibility and issue remediation
- Saved money on security tools

Challenges

As a global leader in high performance trading and market data technology, Vela knows the importance of low-latency times and solid network performance. The company is partly made up of a former New York Stock Exchange (NYSE) Technologies division subsequently acquired by SR Labs. Now as an independent financial technology firm, Vela initiated an effort led by Micah Kroeze of its Infrastructure and Security team to replace and build upon its framework while ensuring network visibility and monitoring capabilities. Kroeze and his team evaluated Gigamon against several other companies. They ultimately selected Gigamon based on the breadth and depth of its product offerings, as well as Kroeze's positive experience working with them while at the NYSE.

"When you oversee a network that processes more than 80Gb per second, it's important to identify issues related to bandwidth and latency right away, and Gigamon is a crucial partner in this," said Micah Kroeze, Vice President of Infrastructure and Security. "Our clients range from tier 1 banks to hedge funds to high frequency trading firms, and they rely on Vela for the most accurate financial market information possible."

Given the global and complex nature of its business, one of the challenges Vela faces is that the data it manages has to be normalized in one region, consumed in another, and subsequently routed into multiple product networks—all in less than the blink of an eye. Delayed financial market data can result in direct losses for its recipients, and Vela is committed to ensuring the highest possible quality of service for its clients.

Solution

After consulting with his network engineering team, Kroeze determined how the Gigamon Deep Observability Pipeline would be rolled out to help the company manage, secure, and understand its data. Vela was very methodical with the deployment of the solution given the sensitivity and 24x7 nature of the network.

In addition, Vela routes the appropriate traffic to critical security tools including Above Security's ArkAngel Managed Security platform, and Magna™ behavioral analytics from Palo Alto Networks®, formerly known as LightCyber.

Results

Vela's Infrastructure and Security team immediately gained granular visibility into data flows throughout their environments, allowing them to optimize routing and pinpoint potential issues as they arise. That same visibility has been exposed to the Magna™ and ArkAngel platforms, allowing Vela and Above Security to better monitor threats, protect sensitive data, and maintain system availability throughout key Vela datacenter environments.

The Gigamon Deep Observability Pipeline currently plays an important role in helping Vela stay several steps ahead of the ever-changing market data landscape.

About Vela Trading Technologies

Vela (formerly SR Labs) is an independent global leader in high performance trading and market data technology. The company provides the breadth of coverage and depth of expertise demanded by today's multi-asset, multi-region electronic trading environment. Its clients benefit from Vela's award-winning managed services, white-glove global customer support, and world-class professional services from an experienced team comprised of seasoned financial services industry experts and cutting edge technologists.

Providing premier market data and trading technology, Vela improves time-to-market, lowers costs, and eliminates complexity. Vela delivers products that empower our clients to focus on their core business strengths, leveraging key trading infrastructure solutions via our technology, expertise, and experience.

About Gigamon

Gigamon offers a deep observability pipeline that harnesses actionable network-derived intelligence to amplify the power of observability tools. This powerful combination helps IT organizations to assure security and compliance governance, speed root-cause analysis of performance bottlenecks, and lower operational overhead associated with managing hybrid and multi-cloud IT infrastructures. The result: Modern enterprises realize the full transformational promise of the cloud. Gigamon serves more than 4,000 customers worldwide, including over 80 percent of Fortune 100 enterprises, nine of the ten largest mobile network providers, and hundreds of governments and educational organizations worldwide. To learn more, please visit gigamon.com.