Enhancing cybersecurity infrastructure with high-density co-location solutions

Case Study

Net Actuate

About the customer

Founded in 1999, the customer is a company with over 25 years of expertise in the cybersecurity space. They specialize in delivering innovative solutions, including managed detection and response (MDR), endpoint detection and response (EDR), and consulting services tailored to meet their clients' specific needs.

At a time when the concept of a Managed Security Services Provider (MSSP) was still taking shape, the company set out with an ambitious goal: bridge critical security gaps and build partnerships that not only protect but empower clients to elevate their security posture and resilience. What truly set them apart is their leadership team, which includes professionals with firsthand experience as Chief Information Security Officers (CISOs), including the CEO -- this foundation shaped their approach to cybersecurity.

In mid-2024, the company was acquired by a global leader in solutions for the convenience retail and petroleum wholesale industries. This acquisition marked a strategic expansion of the acquiring company's cybersecurity portfolio, integrating cutting-edge services with a technology-agnostic platform that blends human expertise, AI, and automation for enhanced visibility, control, and predictive intelligence.

The challenge

The cybersecurity company's primary clients include enterprise businesses and global quick-service restaurant chains, such as McDonald's, that depend on its security platform for real-time threat detection and intelligence. These clients rely on seamless integration between their firewalls and the company's systems to transmit data. The security platform also incorporated advanced AI and Machine Learning (ML) technologies for data training and analysis, threat detection and intelligence. But the limitations of the existing infrastructure hindered the effectiveness of these tools.

To support these capabilities, the company had initially managed its infrastructure through an internal data center, augmented by third-party support. However, persistent disruptions, limited scalability, and inefficiencies with the setup created operational challenges that threatened service reliability and client satisfaction.

Recognizing the need for more robust and scalable infrastructure, the company explored external solutions to address the increasing demands of their security operations and global client base.

The NetActuate Solution

Global edge computing

NetActuate's Anycast network and virtual machines provided scalable and efficient edge computing, complementing the company's existing load-balancing solutions to optimize their security platform's performance.

Raleigh data center integration

Approximately 10 racks of high-density storage at NetActuate's Raleigh facility were deployed for AI/ML data processing, enabling advanced data training and analysis critical to the company's cybersecurity capabilities.

Redundant high-speed network transit

To ensure uninterrupted service delivery, NetActuate implemented robust network redundancy within the Raleigh data center.

AWS Direct Connect

Seamless integration with the customer's existing AWS infrastructure enabled greater reliability, performance, and cost efficiency for cloud operations.

Impact and benefits

The partnership with NetActuate allowed the company to address critical operational challenges, enabling them to:

Ensure operational resilience: Redundant network transit and high-density co-location minimized downtime and improved service reliability.

Enhance AI/ML capabilities: Advanced infrastructure at the Raleigh data center supported AI/ML data training, strengthening the company's cybersecurity platform.

Scale with confidence: The transition to an external hosting solution provided the scalability needed to meet the demands of a growing client base.

Streamline global operations: The integration of NetActuate's Anycast services & AWS Direct Connect enhanced the efficiency & reliability of global edge computing & cloud operations.

The NetActuate Difference

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NetActuate's high-density co-location and robust network solutions have significantly improved the reliability and scalability of our infrastructure. Their expertise and seamless integration have allowed us to deliver uninterrupted service to our global client base.

CEO, Global Cybersecurity Leader

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This success story highlights the transformative impact of leveraging high-density co-location and cloud integration for a global cybersecurity leader. The partnership with NetActuate underscores the value of robust infrastructure in enabling seamless operations, scalability, and advanced technological capabilities such as AI/ML.

By addressing critical infrastructure challenges, the company not only reinforced its position as a trusted cybersecurity provider but also demonstrated its commitment to innovation and adaptability in a rapidly evolving industry.

Disclaimer: Customer names and specific details have been anonymized to maintain confidentiality.

About NetActuate

NetActuate is a leading provider of hybrid global edge solutions, offering comprehensive infrastructure and architecture consulting, DevOps, and 24x7x365 NOC support. With a global presence in over 30 data centers and a commitment to innovation, NetActuate empowers businesses to deploy faster and operate more efficiently, no matter where they are in the world.

https://netactuate.com

Ready to get started?

To learn more about how you can get agile, scalable digital infrastructure for your industry, contact NetActuate today.

Contact us