



CASE STUDY

Enhancing Global Cybersecurity in the Food Industry with Claroty xDome at Marfrig

Challenge

Marfrig, the world's largest hamburger producer and a leading player in the global beef market, faced significant cybersecurity challenges in its global operations. Carlos Nucci, IT and OT Cybersecurity Manager at Marfrig, described the situation: "The complexity of unconventional device connectivity in our operations posed a significant challenge. With unique architectures, our facilities had distinct assets from several suppliers, critical industrial processes, exclusive protocols, obsolete systems, and incompatible operating systems, which created a heterogeneous operational universe."

Solution

In response to these challenges, Marfrig partnered with Claroty, selecting its advanced xDome technology to enhance the cybersecurity standards of its operations globally. xDome, built on the robust AWS platform, provides a modular SaaS solution tailored for complex industrial environments. It offers real-time, comprehensive visibility of all cyber-physical systems and seamless integration between operational, workflow, and IT systems. This integration is critical for enhancing operational efficiency and ensuring continuous



About Marfrig

Marfrig is one of the leading companies in beef, pork and poultry and the largest producer of hamburgers in the world, with net revenue of 136.5 billion in 2023. The company employs more than 120 thousand employees, distributed across Operation North America, Operation South America and BRF. Recognized for the quality of its products and its sustainable operations, Marfrig maintains pioneering projects to preserve the environment and natural resources.

protection against cyber threats. This strategic collaboration aimed to bolster the cybersecurity standards across Marfrig's global operations. Carlos Nucci noted, "Claroty's xDome is ideal for supporting our worldwide operational infrastructure as it evolves."

Implementation and Technical Excellence

Claroty's xDome is designed to leverage AWS's inherent scalability, security, and integration capabilities. This includes encrypted connections between on-premise networks and AWS, facilitating immediate access to new features, threat definitions, and automated updates. The solution delivers centralized and reliable data on assets, vulnerabilities, and risks across Marfrig's OT environment, enhancing Marfrig's ability to detect threats and respond agilely across its 19 facilities. Nucci explained the transformative impact of this technology: "With the implementation of Claroty's solution, we have comprehensive visibility of all our cyber-physical systems and seamless integration between operational, workflow, and IT systems in our environment, enhancing efficiency and ensuring that our critical infrastructures are constantly protected against cyberattacks."

Conclusion

Marfrig's adoption of Claroty's xDome marks a significant milestone in their digital transformation journey. "Our journey is not just a response to digital demands but a bold statement of leadership and innovation. We are on a transformational path, where each step reflects our relentless pursuit of ultimate digital security," remarked Nucci. This strategic collaboration enhances Marfrig's resilience against evolving cyber threats, reinforcing its position as a leader in the food industry and cybersecurity innovation.

About Claroty

Claroty has redefined cyber-physical systems (CPS) protection with an unrivaled industry-centric platform built to secure mission-critical infrastructure. The Claroty Platform provides the deepest asset visibility and the broadest, built-for-CPS solution set in the market comprising exposure management, network protection, secure access, and threat detection — whether in the cloud with Claroty xDome or on-premise with Claroty Continuous Threat Detection (CTD). Backed by award-winning threat research and a breadth of technology alliances, The Claroty Platform enables organizations to effectively reduce CPS risk, with the fastest time-to-value and lower total cost of ownership. Claroty is deployed by hundreds of organizations at thousands of sites globally. The company is headquartered in New York City and has a presence in Europe, Asia-Pacific, and Latin America. To learn more, visit claroty.com.

Benefits

- **Comprehensive Asset Visibility:** Marfrig gained unprecedented visibility into its diverse and complex systems, crucial for proactive threat management and operational continuity. "We expanded the boundaries of IT security controls and governance with agile threat detection, covering each of our 19 facilities," Nucci stated.
- **Enhanced Operational Efficiency:** Integrating xDome with existing IT solutions like SentinelOne and its real-time monitoring capabilities significantly improved Marfrig's response to potential threats, reducing downtime and operational risks.
- **Scalability and Compliance:** Leveraging AWS services, xDome ensures scalability and compliance with evolving cybersecurity standards, providing Marfrig with a robust growth and international expansion framework.
- **Strategic Cybersecurity Enhancement:** The implementation of xDome not only strengthened Marfrig's cybersecurity posture but also set a new standard of excellence in the global food industry, reinforcing its leadership and commitment to innovation.