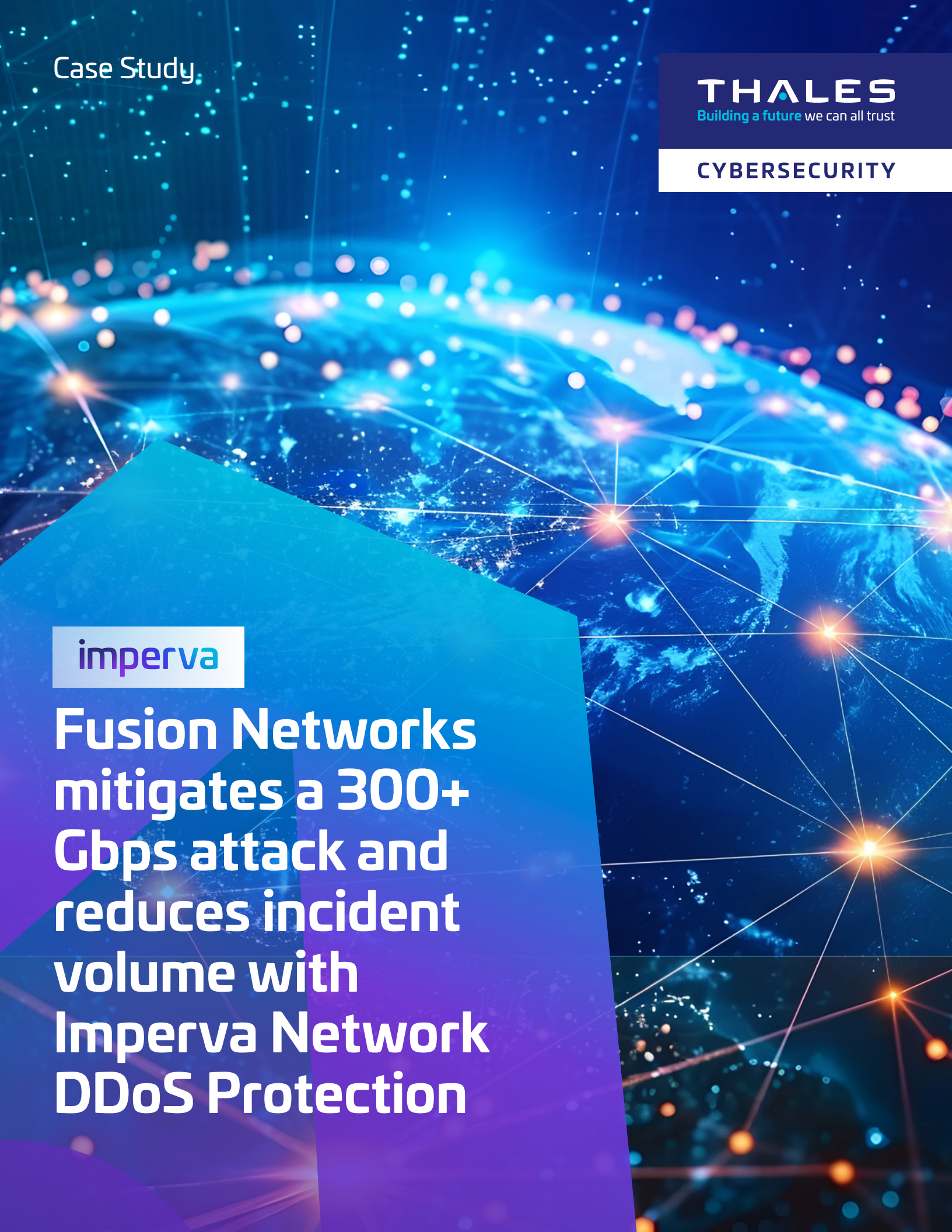
Case Study

THALES
Building a future we can all trust

CYBERSECURITY



imperva

Fusion Networks mitigates a 300+ Gbps attack and reduces incident volume with Imperva Network DDoS Protection

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About Fusion Networks

Fusion Networks delivers enterprise-grade voice and internet infrastructure designed for performance, continuity, and scale. Services include VoIP, UCaaS, CCaaS, and SD-WAN, deployed over a fiber-rich, full-duplex IP network with support for static routing and BGP. Single-IP failover ensures uninterrupted connectivity without session drops, while proactive monitoring and LAN/WAN optimization sustain long-term reliability. The architecture is designed to integrate seamlessly with advanced security layers, including DDoS mitigation platforms.

Fusion provides end-to-end deployment, from network design to on-site installation, supported by 24/7 U.S.-based experts with sub-minute response times. Trusted across healthcare, finance, legal, and other sectors, Fusion enables clients to operate with confidence in high-uptime, multi-site environments.

Fusion NETWORKS

Industry
Telecommunications

Location
Port Jefferson, NY, USA

Website
www.fusionnetworks.net

Challenges

Unexplained traffic, manual mitigation, and limited visibility into large-scale threats

Fusion Networks supports customers across highly regulated industries, where security and uptime are critical. When unexplained network noise and intermittent issues emerged, the team began to explore new ways to protect their infrastructure—and their customers.

"We were seeing random noise on the network," said Gabriel Mangieri, CTO at Fusion Networks. "We didn't really have visibility into it."

Even after deploying on-premises appliances for internal protection, gaps remained.

"Our circuits into the rest of the world are only of a certain capacity," said Gabriel. "Somebody could still volumetrically attack us... hit us with more, three, four, five hundred gigabits, and essentially knock us out anyway, even though we have these wonderful appliances that are protecting us."

To mitigate large-scale attacks, the team initially worked with a different cloud-based provider. "It worked OK," said Gabriel. "But the solution was kludgy... if we got attacked at two or three o'clock in the morning, we would have to manually go in and turn on the protection. It just was not ideal."

Deployment

Imperva Network DDoS Protection: Automated, multi-layered protection that integrates with existing defenses

Fusion Networks began exploring Imperva Network DDoS Protection after discussing limitations with their former provider.

"When I got involved, we were talking about those limitations," said Gabriel. "And [the Thales team] said, 'No, we don't have that, we have interoperability, and we can set up a direct connection.'"

Imperva Network DDoS Protection delivers always-on mitigation across network and application layers, with real-time visibility and automated response. Fusion deployed in a hybrid model, using Imperva Network DDoS Protection alongside on-prem appliances in some locations, and as a fully cloud-based solution where dedicated hardware isn't practical.

"We moved away from our previous provider, put in Imperva Network DDoS, got the direct connection set up—all our automation," said Gabriel.

The onboarding process was straightforward. "Anytime I had questions, the Imperva team was responsive and helpful," said Gabriel. "But for the most part, I think we onboarded ourselves."

Gabriel emphasized the importance of a layered approach, one of the key reasons Fusion added Imperva Network DDoS to their existing on-prem solution.

"That's my mentality: keep it simple, successful, and build as many layers as possible. So even if someone gets through one barrier, they still have others to get through. Criminals are lazy—they're going to go after the low-hanging fruit, not the companies with layer upon layer of protection," said Gabriel.

Results

Protection against larger attacks, lower incident volume, and peace of mind

Soon after Fusion Networks' go-live, Imperva Network DDoS was tested in real time.

"We actually did get a volumetric attack that flipped over at like, 4:00 in the morning, and we automatically flipped the network that was being attacked over to Imperva," said Gabriel. "I was able to log in and see that it was a 300-plus gigabit per second attack that would have taken down our entire network."

Since then, the incident frequency has dropped dramatically—roughly 98%.

"When we first put in the appliances, we were getting hit multiple times a day," said Gabriel. "Now I see an attack once or twice a month."

Fusion has also been able to scale DDoS coverage quickly to meet business needs.

"We've relied entirely on Imperva Network DDoS in newer locations, and it's been working very well," said Gabriel.

Beyond cost savings and operational ease, the biggest benefit for Fusion Networks is confidence.

"Imperva Network DDoS gives us the scale and automation we need to stay ahead of volumetric attacks. It's one less thing we have to worry about—and that peace of mind is huge," said Gabriel.

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– Gabriel Mangieri, CTO, Fusion Networks

About Thales

Thales is a global leader in cybersecurity, helping the most trusted organizations protect critical applications, data, identities, and software anywhere, at scale. Through Thales' integrated platforms, customers achieve better visibility of risks, defend against cyber threats, close compliance gaps, and deliver trusted digital experiences for billions of consumers every day.

Contact us – For all office locations and contact information, please visit cpl.thalesgroup.com/contact-us