



CASE STUDY

Cybersecurity Meets Fiber: How 1&1 Versatel Is Unlocking New Markets with Myra





Cybersecurity Meets Fiber: How 1&1 Versatel Is Unlocking New Markets with Myra

Initial Situation

Digital transformation increases reliance on stable online services – at the same time, infrastructure providers such as 1&1 Versatel are seeing a dramatic increase in cyberattacks on their customers' IT infrastructure. 49% of companies see targeted attacks and DDoS attacks as the biggest IT security risk.¹ After increases of over 50% in previous years, the number of malicious web requests rose again by 25% in 2024.²

Traditional protection solutions in the infrastructure sector have so far failed to meet a key challenge: For technical reasons, they required at least /24 networks, which meant that many small and medium-sized enterprises (SMEs) and organizations with smaller networks were unable to access professional DDoS protection solutions.

Given the current threat situation, this gap poses a business-critical risk. In the EU, DDoS attacks are by far the most common form of attack, accounting for 76,7% of all reported incidents according to the European Union Agency for Cybersecurity (ENISA).³

Objectives and Implementation

Given this, 1&1 Versatel was looking to form a partnership at the end of 2021 that would combine three core goals to unlock new business areas and revenue potential:

- Market development for unprotected SMEs
- Compliance assurance for regulated industries
- Scalable infrastructure protection from individual IP addresses to large IP networks

The solution was found in the integration of Myra's highly certified infrastructure protection as an on-premises product directly into the data centers of 1&1 Versatel – supplemented by Myra Cloud Scrubbing with several TBit/s of defense capacity. This technological symbiosis enables hybrid mitigation: depending on the type and strength of the attack, attacks can be mitigated either locally via the on-premises protection solution or in the cloud via cloud scrubbing. The partnership was signed in February 2022.

How the Protection System Works

During operation, the protection solution monitors incoming traffic flows from connected end customers directly in the 1&1 Versatel network in real time. If certain customized thresholds are exceeded, mitigation is initiated immediately. The protection against attacks is thus completely automated, but manual mitigation is also possible as an alternative.

Benefits of the Cooperation

In addition to key security aspects, the partnership between 1&1 Versatel and Myra offers strategic added value for 1&1 Versatel customers:

- **Protection of SMEs:** For the first time, the solution enables IP-based protection even for micro networks, opening up new customer groups.
- **Hybrid scaling:** The combination of on-premises mitigation and cloud scrubbing creates a flexibly scalable service that covers both SMEs with individual IPs and large corporations with enterprise networks (IPv4 and IPv6) – without any infrastructure costs for the end customer.
- **Uptime optimization:** Automated protection minimizes downtime – essential for cloud-based business models.
- **Regulated industries:** Myra's comprehensive certification level enables efficient protection in highly regulated markets such as the public sector, finance, healthcare, and critical infrastructure.
- **Compliance with NIS-2 and DORA:** The solution positions 1&1 Versatel as the preferred partner for implementing regulatory frameworks such as NIS-2 or DORA.
- **Made in Germany:** Digital sovereignty through development and operation in Germany.
- **Automated processes:** Automated real-time mitigation reduces manual intervention and enables 24/7 protection without personnel costs – critical for SMEs without their own IT security.
- **Integrated reporting:** Automated attack analysis provides customers with verifiable compliance reports, simplifying audit processes.

Conclusion

The partnership between 1&1 Versatel and Myra closes a critical gap in the market for DDoS protection: an enterprise-grade protection solution that can be deployed regardless of network size – highly scalable from SMEs to large corporations.

The integration of Myra's infrastructure protection into 1&1 Versatel's data centers creates a powerful on-premises protection solution that can be easily expanded with cloud-based defenses to protect against even the highest volumes of attacks – all with digital sovereignty and in compliance with the strictest security and data protection requirements.

“Cybersecurity meets fiber: The hybrid solution implemented with Myra closes a critical gap in the market. For the first time, we can protect SMEs and large corporations alike in a legally GDPR-compliant and NIS 2-ready manner—this has strengthened our competitive position in the long term.”

Stefan Kondmann
Head of Public Sales at 1&1 Versatel

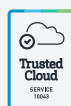
Furthermore, through its partnership with Myra, 1&1 Versatel is strengthening its position as an innovator for critical infrastructure while simultaneously unlocking new revenue streams by combining market-leading fiber optic performance with highly certified protection technology.

Myra, in turn, benefits from the cooperation through a sustainable partnership business, which has resulted in numerous SME deals and several projects with well-known customers such as Biontech, KfW, and the German Federal Network Agency since the implementation of the protection technology.

Sources

- 1 1&1 Versatel: Digitalisierungsbedarfe von Unternehmen (2024)
- 2 Myra Security: Cybersecurity Report 2025
- 3 ENISA: Threat Landscape 2025

ISO 27001 BSI zertifiziert
auf der Basis von IT-Grundschutz
Zertifikat Nr.: BSI-IGZ-0667-2024



Certified by the German Federal Office for Information Security (BSI) according to ISO 27001 based on IT-Grundschutz | Certified according to Payment Card Industry Data Security Standard (PCI DSS) | KRITIS-qualified according to §3 BSI Act | BSI-C5 Type 2 certification | Certified Trusted Cloud Service | IDW PS 951 Type 2 (ISAE 3402) certified service provider | KRITIS operator according to § 8a (3) BSIG | Quality management according to ISO 9001