

MANUFACTURER RESOLVES VPN SECURITY GAPS BY EMBRACING ZERO TRUST

Appgate SDP enables secure access and eliminates VPN bottlenecks

Background

Known for its expertise in complex, high-precision projects, this ISO 9001:2008-certified manufacturer provides comprehensive contract manufacturing services. The organization's skilled engineering and manufacturing teams leverage advanced technologies and lean practices to streamline production, ensuring both operational efficiency and cost-effectiveness. From initial concept and component design through manufacturing, assembly, finishing, inspection, and testing, the company delivers a complete end-to-end solution.

Challenges and Requirements

The manufacturing leader needed to ensure secure access for all remote users while preventing unauthorized, unauthenticated access to its network resources. However, the manufacturer's existing VPN solution presented several challenges. The VPN's access policies were not dynamic enough to grant access based on the specific context of the user and the device. Additionally, they required a solution that could provide secure access to remote endpoints, including enhanced security measures like step-up MFA for software patches from their deployment server. Furthermore, the manufacturer needed a better way to manage the security of critical management devices, such as Integrated Lights-Out (iLO) and network appliances. Looking ahead, they also recognized the necessity of a comprehensive future-proof solution—one that not only addressed the immediate need to secure their network devices, but also established a resilient and adaptable security framework capable of evolving with their future needs.

Solution

By leveraging Appgate SDP, a direct-routed Zero Trust Network Access (ZTNA) solution, the manufacturer ultimately transformed the network and retired their legacy VPN solution. Free from reliance on cloud-routed solutions, the company was able to maintain full control of data flow across the network. This approach helped the manufacturer achieve higher throughput and low latency, and eliminated the limitations of cloud-based routing, such as hairpinning.

With Appgate SDP, the manufacturer was able to implement granular access controls and dynamic authentication mechanisms, which aligned with Zero Trust principles by enforcing least-privileged access. This allowed the company to dynamically grant and revoke access based on user identity and context, significantly improving their security posture.

In addition, Appgate SDP's open APIs enabled seamless integration with the company's business, IT, and security solutions, enhancing network visibility and automation. Since Appgate SDP is software-defined, it will also effortlessly and simultaneously scale with the manufacturer's dynamic infrastructure, ensuring continued support as the company grows.

"Through a 60-day 'Buy and Try' with Appgate SDP, we quickly recognized the immediate value of ZTNA, enabling secure remote work for our employees. Partnering with Appgate not only allowed us to easily retire our existing VPN solution but also future-proofed our network infrastructure, propelling our organization to the forefront of modern, secure, and adaptable remote access solutions."

– Director of Information Technology

USE CASES

VPN Replacement

Step-up Multifactor Authentication (MFA)

RESULTS

Successfully transitioned from legacy VPN to a Zero Trust architecture for secure remote access

Improved network security posture with dynamic, least-privileged access policies

Enhanced remote endpoint security through step-up MFA and secure patch management

Achieved faster, more reliable access with low-latency, high-throughput network performance

Increased scalability and adaptability with seamless integration across business, IT, and security systems

ABOUT APPGATE

Appgate is the secure access company. We empower how people work and connect by providing solutions purpose-built on Zero Trust security principles. This people-defined security approach enables fast, simple and secure connections from any device and location to workloads across any IT infrastructure in cloud, on-premises and hybrid environments. Appgate helps organizations and government agencies worldwide start where they are, accelerate their Zero Trust journey and plan for their future. Learn more at appgate.com.