SPS Secure Edge

Extending the Enterprise Private Network to the Mobile Edge

The modern enterprise has become a highly distributed and dynamic environment, with enterprise applications existing in multiple clouds, private data centers, and/or on-premises.

Overview

SPS Secure Edge is a solution to extend the enterprise private network to the mobile edge, allowing enterprises to manage mobility and IoT as branches within the SD-WAN. With minimal effort, CIOs can deliver a seamless access experience to mobile employees and IoT devices. SPS Secure Edge provides a multi-tenant private APN interconnect to the mobile network operator (MNO). This means operators have the ability to deliver a private network slice for each enterprise customer.

Challenge

Enterprises are adopting new enterprise networking architectures (such as, SD-WAN, Zero Trust, and SASE) to simplify networking costs, management, and maintenance of secure access to applications from their fixed assets across branch offices. However, when it comes to enterprise mobility and IoT, organizations need to complement their private network deployment with legacy VPN solutions. These legacy solutions are less than optimal for the delivery of the CIOs' strategic objectives and are also a major source of frustration for employees. This results in a lack of visibility and control over mobile traffic, creating a compliance vulnerability. At the same time, there is a need for siloed solutions to manage mobiles and/or to secure access to enterprise apps. Finally, employees circumvent IT policies by accessing public internet networks sites and applications, creating vulnerabilities.

BENEFITS FOR YOUR BUSINESS

Revenue opportunities: SPS Secure Edge will bring additional revenue opportunities for MNOs as more workloads move to enterprise mobile and IoT

Service differentiation: Providers can differentiate their offering by providing unified management and enabling mobile and IoT branches

Low OPEX commercial model: SPS Secure Edge is an indirect SaaS model and the NSP does not need to deploy or operate any new equipment; SPS Secure Edge is managed by Akamai

Zero client mobile and IoT solution: Faster roll-out and uptake of service, with minimal effort for enterprises to get started

More relevant to enterprise CIO: Solution providers can now manage and control mobile, as well as fixed traffic for the enterprise

Rapid and simple deployment: Simple integration into SD-WAN service with white-label GUI (or API integration)

Rapid onboarding and activation of enterprises/SMBs: Fully automated enterprise account creation and mobile device association

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Enterprise Features and Benefits

SPS Secure Edge enables mobile and IoT endpoint devices to become part of the enterprise private network. The high-level features include:

Increased security: Mobile and IoT endpoints are inside enterprise private networks with private IP addresses and off public networks. Policies can be uniformly applied across the entire enterprise endpoint estate.

Seamless access: Remote workers can access enterprise private cloud/DC without the need for a VPN client per mobile device. This is possible because of the private APN connectivity, in which the SIM is the root anchor of trust.

Enterprise private network extended (e.g., SD-WAN): Supports all SIM-enabled devices, including IoT and mobile workers, with secure breakout to internet at each branch.

Multi-access: Works on cellular with an optional feature for secure Wi-Fi access even on public networks.

Multi-cloud: Supports public cloud (GCP, AWS, Azure), private cloud, and hybrid cloud deployments.

Unified self-serve control: Flexible network topology and configuration (including IP addressing) for mobile and IoT endpoints. The enterprise admin manages fixed, mobile, and IoT estate through a single management UI when integrated into the NSP SD-WAN management portal.

Akamai Security and Personalization Services are designed to help MSPs and MNOs move beyond performance and availability and differentiate based on security. SPS Secure Edge is a solution that helps enterprises maximize their investment in network technologies while extending visibility, security, and control to their mobile and IoT endpoints.

SPS Secure Edge enables providers to extend their network portfolio by offering unified security management products to their enterprise customers in addition to their SD-WAN or Zero Trust Network Access offerings.

To learn more, contact your Akamai representative or visit the Security and Personalization Services page.