Deploying Microsoft's SSE Solution with Juniper AI-Driven SD-WAN

Empowering enterprises with AI-Native connectivity and advanced security

Discover how Juniper's AI-Native network upgrades your Microsoft's SSE solution experience.

Explore AI-driven SD-WAN →

The challenge

Cloud deployment, security, performance, and efficiency

As enterprises embrace cloud infrastructures amidst a work-from-anywhere culture, they confront challenges such as multi-cloud security, latency, sophisticated cyber threats, and rising costs. They face all this while striving to optimize remote performance.

The capabilities you need

Optimized and secure network traffic

The integration of Juniper AI-driven SD-WAN with Microsoft's SSE solution offers a seamless, secure, and intelligent solution for optimizing internet traffic management across branch locations.

Up to 75%
Reduction of annual hardware costs for data center head-end equipment with optimized encryption

Minimized setup time and complexity

A user-friendly, template-driven approach allows quick and straightforward connection of SD-WAN sites to Microsoft's SSE solution

Intelligent path selection

Traffic from SD-WAN-enabled branch edges is intelligently directed to Microsoft's SSE solution, ensuring optimal path selection for peak performance

Creation of secure tunnels

Secure tunnels enable deep inspection and secure management of traffic to the internet and Microsoft SaaS applications

Granular policy enforcement

Users benefit from precise security and access control, as well as intuitive policies to specify what types of traffic are steered to Microsoft's SSE solution, enhancing both security and network efficiency

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Seamless integration with Microsoft's SSE solution

Juniper's AI-driven SD-WAN integration with Microsoft's SSE solution results in optimized routes for cloud efficiency, a unified security structure, streamlined management with reduced workload for IT, and up to 30% cost savings on bandwidth. Users enjoy robust data protection, flexible scaling, improved cloud access, and support for compliance. Plus, greater control and high reliability help boost overall productivity and operational excellence.

Unparalleled performance, security, and efficiency

The integration of Juniper AI-driven SD-WAN with Microsoft's SSE solution delivers many advantages, including streamlined network operations, enhanced security, and improved user connectivity experiences.

Large retail company with multiple branch locations

Once integration is complete, the retailer can centralize and streamline internet traffic and security policies across all branch locations

Healthcare provider with multiple clinics and remote care services

The healthcare provider can significantly upgrade its network infrastructure to meet the stringent requirements of performance, security, and reliability

Digital-first bank with several branch locations

The integration offers a sophisticated solution that secures the bank's cloud and SaaS applications, and ensures high-performance connectivity for its customers and employees

Government agency with multiple sites

The agency benefits from an advanced network solution designed to meet rigorous security demands and ensure continuous connectivity
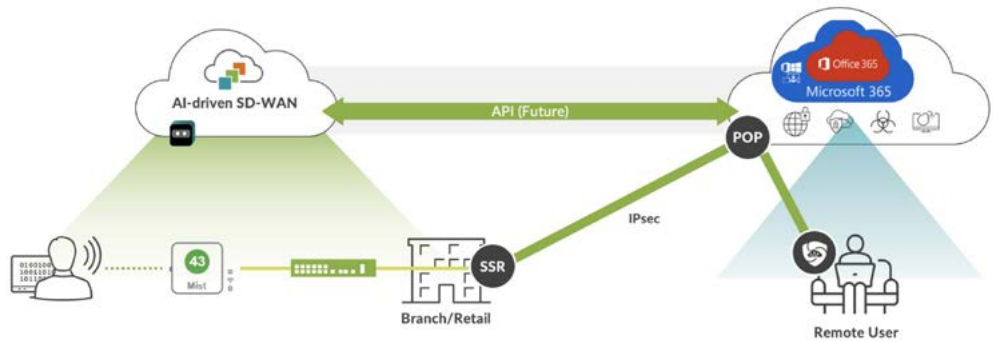
Core capabilities

FIGURE 1

AI-driven SD-WAN and Microsoft's SSE solution integration

50% Decrease in network deployment time	Enhanced network efficiency and performance	Optimizes routing decisions to ensure maximum network efficiency, reducing latency and improving performance for all cloud applications
	Unified security architecture	Offers a cohesive and scalable security architecture that extends across all user access points and applications, regardless of the network environments they reside in
	Improved cloud accessibility	Optimizes connections to cloud services like Microsoft 365, ensuring users have reliable and fast access to essential business tools and resources
	Simplified management	Employs a single management interface that simplifies policy enforcement, device management, and overall network operations, substantially reducing the IT team's workload
	Enhanced visibility and control	Offers comprehensive visibility into network and application performance along with granular control for troubleshooting and fine tuning
	Clientless connectivity	Enables seamless, clientless access, simplifying user experience and IT workload by providing secure, direct connectivity to business tools without device setup

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Our advantage

Optimizing cloud deployments with Microsoft's SSE solution

This integration simplifies the process of optimizing internet traffic management by using a template-driven approach, allowing quick and effortless setup with just a few clicks. Users can easily connect their SD-WAN sites to Microsoft's SSE solution and define granular policies for directing specific types of traffic—or all traffic—ensuring optimal path selection and peak performance. Secure tunnels ensure the protection of data while allowing for deep inspection and enhancing the network's security stance against cyber threats.

Why Microsoft

About Microsoft Entra

Microsoft Entra Internet Access and Microsoft Entra Private Access are integral components of Microsoft's SSE solution. Microsoft Entra Internet Access ensures secure access to internet and SaaS apps while safeguarding users, devices, and data against internet-based threats. This document covers the Internet Access use case: https://learn.microsoft.com/en-us/entra/architecture/sse-deployment-guide-intro

Why Juniper

The NOW Way to Network

Juniper Networks believes that connectivity is not the same as experiencing a great connection. Juniper's AI-Native Networking Platform is built from the ground up to leverage AI to deliver exceptional, highly secure, and sustainable user experiences from the edge to the data center and cloud. Additional information can be found at Juniper Networks (www.juniper.net) or connect with Juniper on X (Twitter), LinkedIn, and Facebook.

More information

To learn more about Juniper AI-driven SD-WAN, visit https://www.juniper.net/us/en/solutions/sd-wan.html and the Configuration Guide

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