MOMENTUM
TELECOM

MPLS vs. SD-WAN:
What's the Better Option?

The New Business Debate: MPLS vs. SD-WAN

Today's distributed work environments demand robust, flexible networking solutions. Traditional models can't keep up with the increased traffic, which is why more companies are switching from multi-protocol label switching (MPLS) to software-defined wide area networking (SD-WAN).

Consider these statistics:

77%

of companies

currently use a fully managed or co-managed SD-WAN solution.[1]

Market researchers expect the global SD-WAN market to hit

8.4

billion USD

by 2025.[2]

Revenue from SD-WAN is growing at an estimated

59%

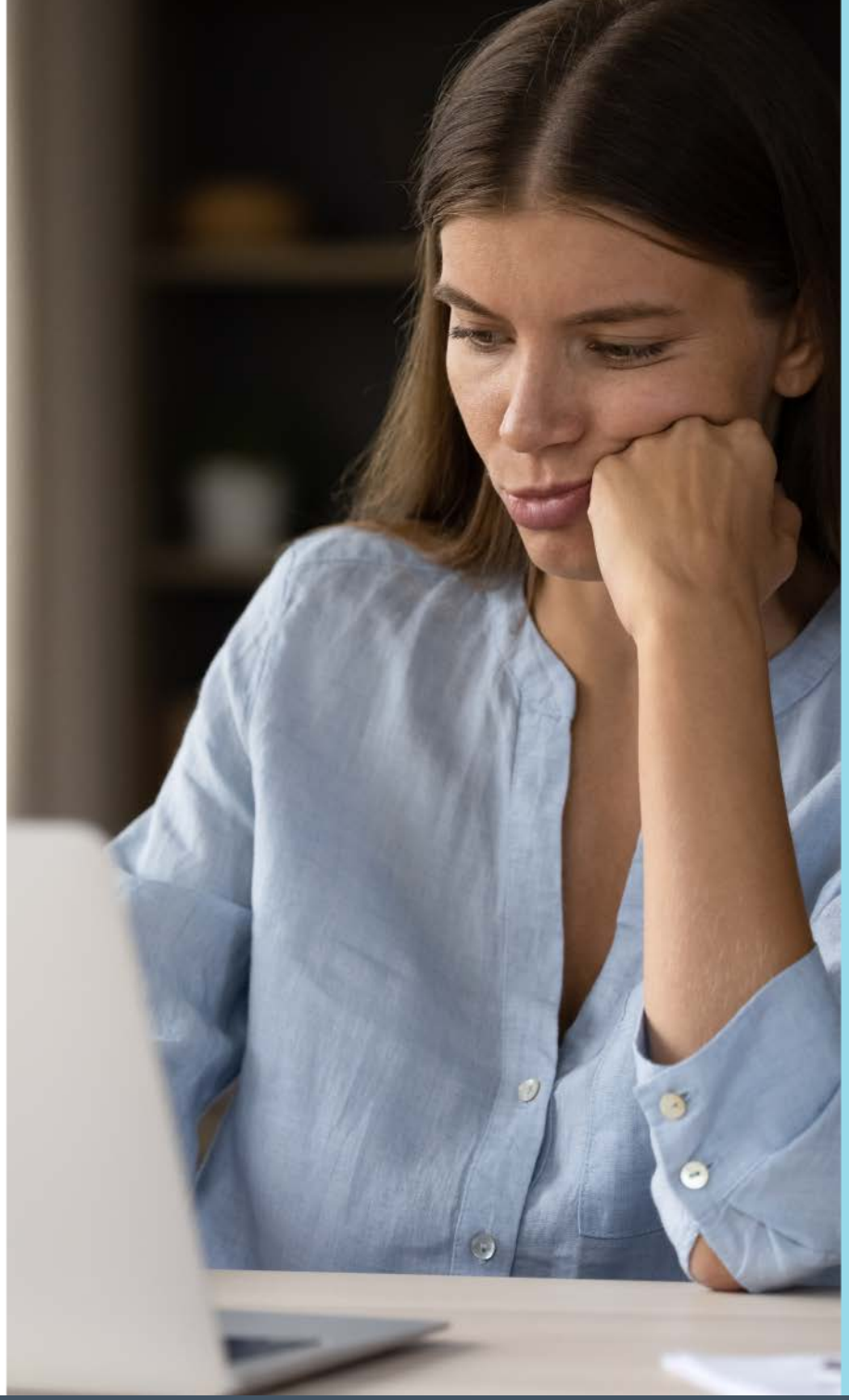
annually.[3]

1. https://www.businesswire.com/news/home/20210526005086/en/Masergy-Releases-2021-State-of-SD-WAN-Study
2. https://www.marketsandmarkets.com/Market-Reports/software-defined-wan-market-53110642.html
3. https://www.oracle.com/a/ocom/docs/dc/gartner-sd-wan%20new-survey.pdf

Challenges of Using MPLS Solutions

If your business still uses an MPLS solution, you've likely experienced the following challenges:

- ✕ Slow, laggy network performance when using bandwidth-intensive apps like video conferencing
- ✕ Difficulty scaling your business since installing specialized MPLS hardware can be time-consuming
- ✕ High costs for unused bandwidth due to unpredictable network traffic
- ✕ Insufficient (or a complete lack of) security solutions to defend against rising cyber attacks



Challenges of Using MPLS Solutions (cont.)

The biggest challenge many MPLS users encounter is inflexibility.

MPLS connections are typically rigid, fixed connections. They can't easily adapt to meet the level of interconnectivity between branch offices that today's dynamic networks require, which holds back business growth.

Flexible networking is key for keeping teams connected as organizations expand and adopt work-from-anywhere models. That's where SD-WAN comes in.

What Is SD-WAN?

SD-WAN uses policy-based routing to direct traffic over the best transport method (broadband, 4G, etc.), as determined by bandwidth availability.

There are three primary types of SD-WAN architecture:

On-Premise

Configured on site through a plug-n-play router and connected to branch offices and remote sites

Cloud-Enabled

Includes an onsite SD-WAN box and cloud gateway connected to cloud providers like Office 365, AWS, etc.

Internet-Based

A cloud-enabled architecture connected to the SD-WAN provider's nearest point of presence (POP)

Benefits of SD-WAN

SD-WAN acts as an overlay for an organization's existing network solution, delivering benefits such as simplified management, reduced overhead costs, and greater flexibility. The primary benefits of using an SD-WAN solution include:

Reduced Costs

SD-WAN solutions enable businesses to prioritize applications over different types of connections based on routing policies. Some organizations have reduced costs by 50% or more with SD-WAN[4] since IT teams can leverage cost-effective options like broadband or mobile for lower-priority tasks.

4. https://blog.telegeography.com/wan-mythbusters-is-it-true-that-sd-wan-can-cut-your-network-spend-in-half

Benefits of SD-WAN (cont.)

Improved Performance

SD-WAN solutions use multiple types of connections simultaneously, allowing users to access critical business applications over the most reliable, high-performance connection available and reducing the packet loss and latency issues associated with MPLS.

Built-in Scalability

Because SD-WAN solutions virtualize a network's edges – the points where devices connect to the internet – businesses can easily add new users or branch locations to the network without impacting their infrastructure configuration.

Benefits of SD-WAN (cont.)

Centralized Management

With SD-WAN, IT teams can implement company-wide connectivity policies, make changes, and deploy updates from a single management dashboard, which provides real-time network visibility and access across all branches of the organization.

Greater Security

Encrypted end-to-end tunnels, which can serve as a base for virtual firewalls to tackle cyber threats in real time, are a staple of SD-WAN solutions. SD-WAN also allows network segmentation across the WAN to limit access to business-critical applications.

What Makes Momentum's SD-WAN Different?

Meet the new standard in future-focused network management with Momentum's award-winning Navigator SD-WAN solution. Powered by Juniper Networks, Momentum Navigator SD-WAN offers several unique advantages over other solutions, including:

Simplified hardware that supports multi-WAN fiber, carrier Ethernet, and mobile uplinks for faster, more reliable connectivity.

Best-in-class features like adaptive encryption, multi-path routing, classification and prioritization, NAT pools, SNAT/DNAT, and App ID for monitoring.

MOMENTUM NAVIGATOR SD-WAN Powered by JUNIPER NETWORKS

momentumtelecom.com | 877-251-5554 | sales@momentumtelecom.com

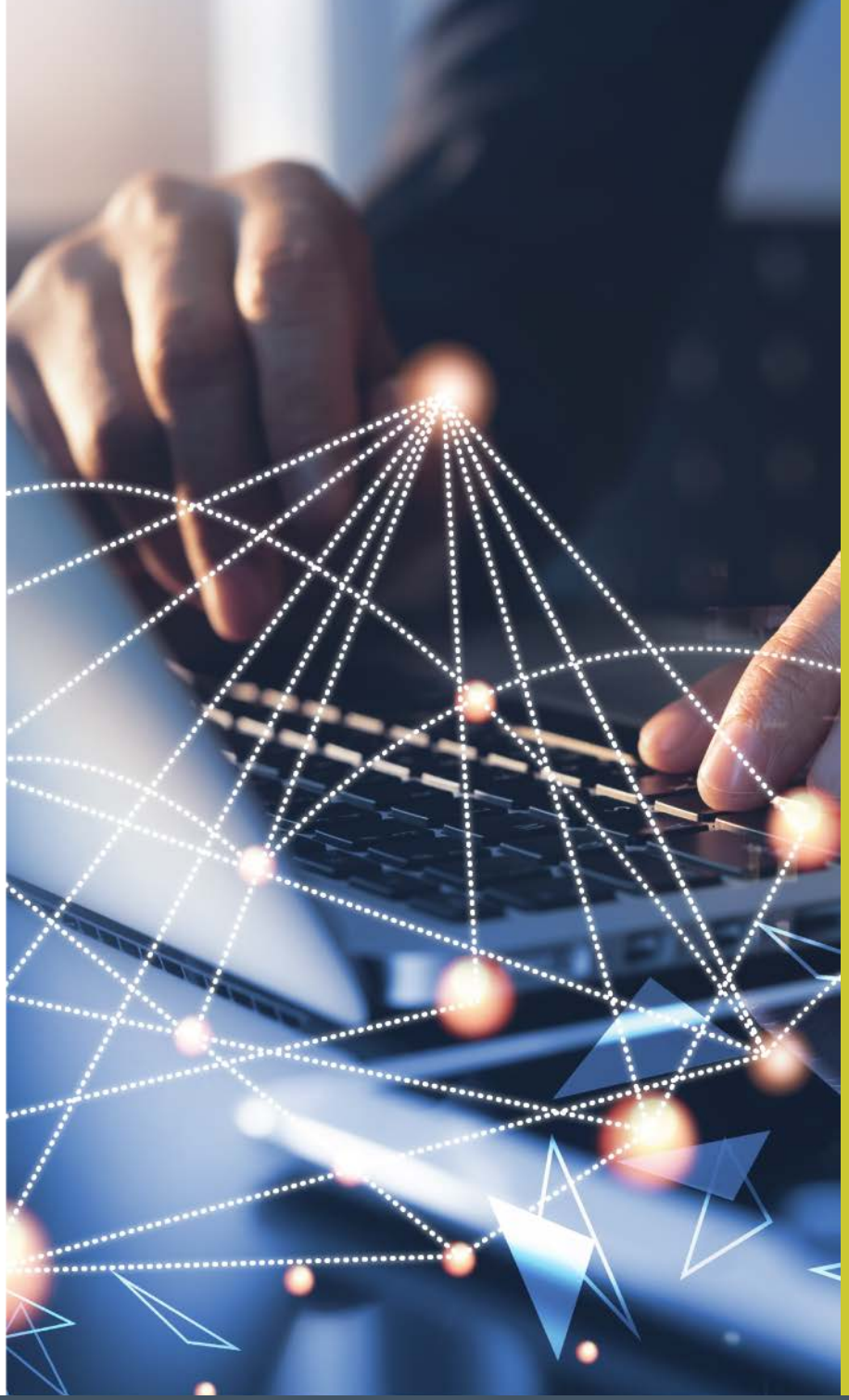
What Makes Momentum's SD-WAN Different? (cont.)

Juniper's proprietary secure vector routing which lets you connect redundant failover sites across multiple networks without IPSec tunnels to significantly reduce bandwidth needs.

Ironclad security features to help you build a powerful zero-trust network for your organization.

Optional support for 4G/LTE uplink as a last-resort path should your network's primary connection go offline.

Upgrades to voice capabilities for higher employee productivity – without the need for expensive truck rolls.



Discover the Momentum Difference With Award-Winning SD-WAN

The answer to the MPLS vs. SD-WAN debate will depend on your specific needs – but in many cases, SD-WAN provides more benefits for businesses in today's dispersed, digital landscape.

If you're ready to learn more or you'd like to experience the benefits of SD-WAN for yourself, **contact Momentum today.**

MOMENTUM
TELECOM