



Why SD-WAN? Why Windstream Enterprise?

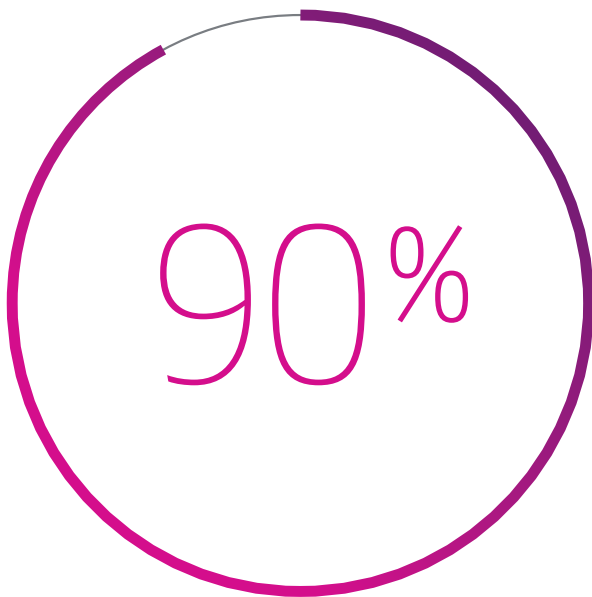
Application performance, user experience and business success rely on wide area networks. That's why organizations are turning to SD-WAN to meet their remote working needs.

Yesterday's networks won't power today's business models

Many companies are looking for network solutions that offer the flexibility and security to support cloud-based applications and services—along with rock-solid continuity and uptime to ensure better employee and customer experiences.

These organizations are discovering that they can no longer rely on outdated legacy access technologies like Time Division Multiplexing (TDM), DS1 and DS3 access solutions, or copper-based services such as primary rate interfaces (PRIs), plain old telephone services (POTS) and Multiprotocol Label Switching (MPLS).

Now they're turning to a software-defined wide area network (SD-WAN)—a distributed, cloud-first architecture that can scale to meet the needs of the modern digital business.



Gartner expects that by 2022, **90%** of enterprises that purchase public cloud IaaS will do so from an integrated IaaS and platform-as-a-service.¹

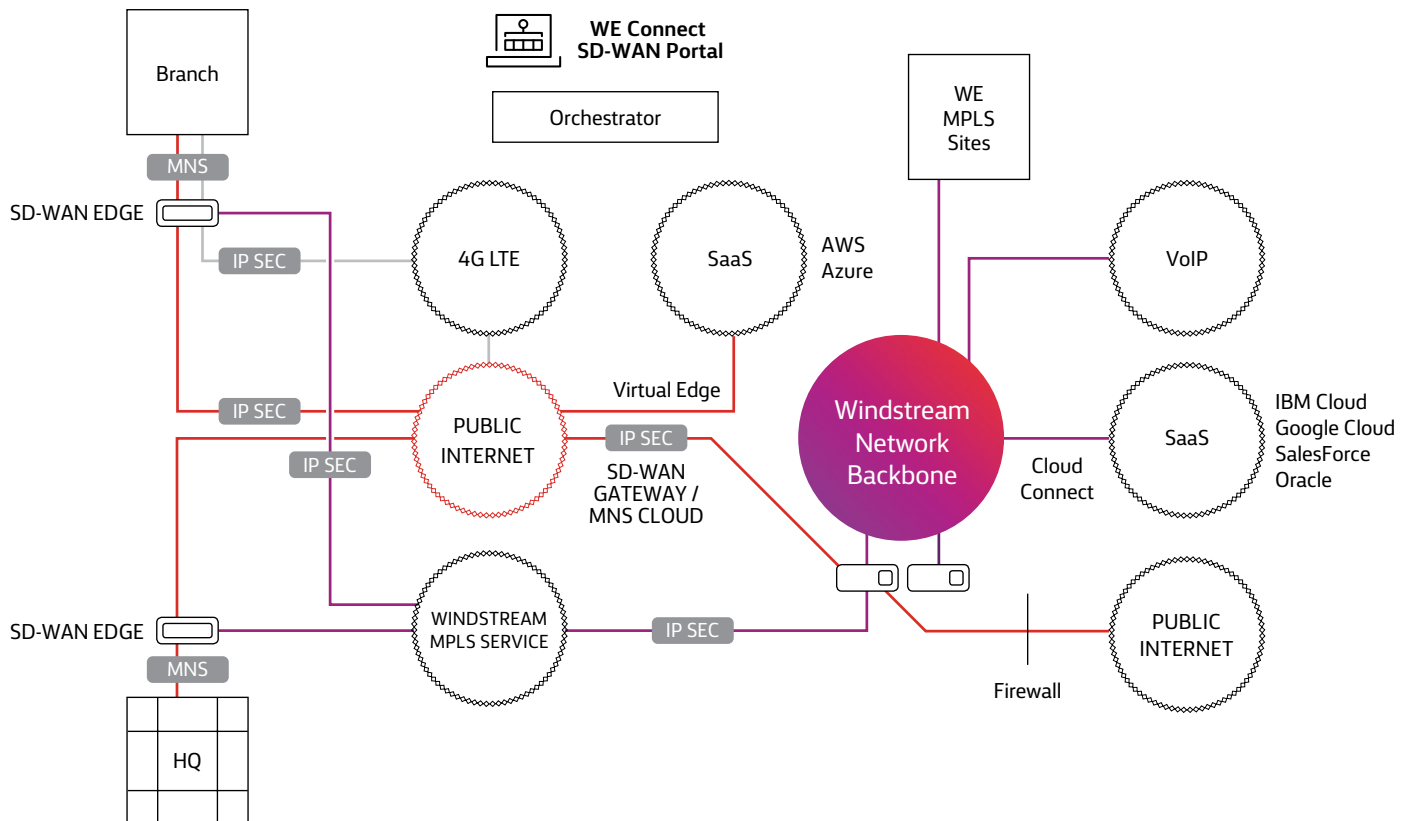
SD-WAN vs. MPLS

When it was introduced, MPLS was an ideal option for organizations that ran multiple business-critical applications at multiple locations. Operated and managed by a single carrier, MPLS converges voice and data traffic over connections that are isolated from the public Internet, while offering basic control over applications.

Today, the explosion in bandwidth demand has pushed traditional MPLS networks to their limits. As a software-defined technology, SD-WAN offers the flexibility to leverage MPLS connections, as well as other access types. Additionally, SD-WAN doesn't rely on the traditional hub and spoke WAN model MPLS is based on, which means traffic doesn't require backhauling to a data center for processing and redistribution.

How SD-WAN works

In an SD-WAN configuration, networking hardware is decoupled from the physical control layer, enabling enterprises to use low-cost, readily available broadband Internet. SD-WAN simplifies WAN operation and management by combining functions at the edge, ensuring performance and availability for cloud-based workloads. SD-WAN can replace costly plain old telephone service (POTS) lines and MPLS architecture with an agile, dynamic platform that maximizes bandwidth to reduce operating costs.



Key features



Application optimization

Monitors and selects the best performing network paths for better app performance.



Dynamic WAN selection

Preserves application performance based on pre-set thresholds.



Dynamic IPSec deployment

Enables end-to-end encryption for secure data transmission over public networks.



Windstream Enterprise has been a great partner and highly responsive to our needs. The transition from MPLS to SD-WAN went much smoother than expected.”

Scott Hammond, VP of IT, Navigant Credit Union

The Windstream Enterprise difference

As an analyst-recognized leader in product innovation, Windstream Enterprise offers award-winning managed SD-WAN Concierge™ that stands apart in the industry.



Application visibility and control

Enables co-management of business and security policies through WE Connect, a “single pane of glass” management portal.



100% uptime

Increases resiliency with redundant, diverse connections at each site for seamless failover for business continuity at all business locations.



Cost-effective

Brings networking to branch offices and remote sites via software intelligence regardless of the underlying connection type or carrier.



Highly secure, SASE ready

Offers Unified Threat Management features, along with IPSec encryption, PCI DSS compliance and security policies that lay the groundwork for a Secure Access Service Edge (SASE).



Cloud connectivity

Provides highly secure, private, dedicated access to leading third-party cloud service providers' cloud ecosystems.



Flexible connectivity

Leverages the best-available access connections provided by Windstream Enterprise or existing third-party connections—or bring your own access.



Multiple access links

Enhances resiliency with redundant and diverse connections in an active/active configuration at each site.



Managed concierge service

Delivers continuous, proactive monitoring and optimization from a dedicated Windstream Enterprise technical service manager.

The choice is yours

Windstream Enterprise has partnered with two of the leading SD-WAN technology providers to offer a solution that's right for your business.

VMware. Named a leader in the 2021 Gartner Magic Quadrant for WAN Edge Infrastructure.²

Fortinet. Named a leader in the 2021 Gartner Magic Quadrant for WAN Edge Infrastructure.²

Manage and configure your SD-WAN solution with



Only SD-WAN from Windstream Enterprise comes with WE Connect, a customizable portal that adapts to the way you manage your network. Gain immediate access to all the information about your services, along with the essential functions that help you manage and optimize your network.

Centralized management. Perform routine operational functions, like adding users or locations, in moments versus days.

Insight Engine. See aggregated data across all locations to help identify anomalies requiring corrective action.

Real-time visibility. Get an interactive view of network latency, packet loss and jitter by location, plus tools to customize reports for actionable insights.

Anytime, anywhere, any device. Access WE Connect via a mobile device with all the functions of the desktop app.

Industry recognition

2021 TMCnet INTERNET TELEPHONY

Product of the Year: SD-WAN

2020/2019 TMCnet INTERNET TELEPHONY Award for SD-WAN

Provider of the Year

2020 MEF SD-WAN Award, North America

Product of the Year

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While we considered other SD-WAN service providers, we liked the features of Windstream Enterprise's SD-WAN much better.”

James Wang, Systems Administrator, Norman

Our promises to you

Windstream Enterprise solutions are backed by our WE will Commitment, our promise that we will deliver a network and voice solution that meets your business needs, for an unmatched, fully supported experience.



Rate Lock Guarantee

When you upgrade your legacy services, we will lock in your rates for the life of your contract.



Future Technology Guarantee

When the next generation of technology becomes available, you can upgrade at no additional cost.



100% Uptime Guarantee

If you experience anything less than 100%, we will credit your account—no questions asked.



Satisfaction Guarantee

If you're not completely satisfied with how we live up to your expectations within the first year, you can walk away from your contract with no future obligation or early termination fees.



Connectivity Bonus

We're so confident you'll love your purchase, we'll give you up to five months free.



Professional Services Guarantee

Get free Professional Services when you purchase one of our strategic solutions.

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The WE Connect portal and Insight Engine is a powerful, easy-to-use tool that keeps us informed on network performance and helps us troubleshoot issues.”

Troy Patterson, Telecommunications Manager, ARH

Windstream Enterprise SD-WAN for cloud migration

SD-WAN Concierge provides full visibility and co-management control to run your entire network in real time, from anywhere and on any device. It also enables your customers to interact with technology on their terms, enabling a richer customer experience. By working with Windstream Enterprise—a provider who takes the time to understand your company's business model—your organization can move to the cloud in a timely, cost-effective and sustainable way.

Cloud-enabled
connectivity,
communications and
security—guaranteed.

Windstream Enterprise drives business transformation through the convergence of our proprietary software solutions and cloud-optimized network to unlock our clients' revenue and profitability potential. Our managed services streamline operations, enhance productivity and elevate the experience of our clients and their end users while securing their critical data and brand reputation. Analysts certify Windstream Enterprise as a market leader for our product innovation, and clients rely on our unrivaled service guarantees and best-in-class management portal. Businesses trust Windstream Enterprise as their single source for a high-performance network and award-winning suite of connectivity, collaboration and security solutions—delivered by a team of technology experts whose success is directly tied to our clients' complete satisfaction.

1. Galov, Nick. Cloud Adoption Statistics for 2021. Hosting Tribunal. Aug. 9, 2021. Accessed Oct. 18, 2021.
2. Gartner, Inc. Magic Quadrant for WAN Edge Infrastructure. Jonathan Forest, Naresh Singh, Andrew Lerner, Evan Zeng. Sept. 20, 2021.

To learn more about SD-WAN, visit windstreamenterprise.com

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