



MPLS vs SD-WAN

What to Consider as You Grow Your Network

Multiprotocol Label Switching | MPLS

MPLS has been the wide-area network (WAN) gold standard technology for two decades—connecting multilocation organizations. MPLS uses dedicated links to ensure reliable, safe and fast connections, especially for delay-sensitive traffic such as VoIP and video conferencing. Routing decisions are based on IP addresses, and MPLS is built on a hub-and-spoke network model that requires network traffic from each location to travel through the hub. MPLS is well suited for stable, less dynamic networks since changes to the router infrastructure tables and policies can be time consuming.

Software-Defined WAN | SD-WAN

SD-WAN takes advantage of next-generation network technology that virtualizes network functions such as routers, utilizing software on inexpensive servers. Routing decisions are based on applications, and SD-WAN can be centrally managed to easily orchestrate and manage the dynamic nature of traffic and multiple connections such as MPLS links, 4G LTE and less expensive broadband connections. It is ideally suited for cloud-based applications, providing organizations the ability to make changes on the fly as business needs and applications grow and evolve.

FEATURES	MPLS	SD-WAN
Management — changes made as needed, centralized view of network with application-aware policies. Orchestration of all functions across entire network with analytics about network traffic and performance.	✗	✓
Critical traffic prioritized , such as VoIP, video conferencing, and dedicated links to central data centers using static policies.	✓	✗
Cost-effective — Utilizes dedicated links, commercial broadband, LTE, MPLS.	✗	✓
Quality of Service — Fixed policies ensure fast and reliable delivery of selected critical data.	✓	✗
Security — Network and traffic are protected from disruption and hacking.	✓	✓
Reliability and Resiliency — Duplicate connections and multiple paths ensure fast recovery.	✓	✓
Remote site connections for hard-to-serve areas and international locations.	✗	✓

The Transtelco Difference

The question is not MPLS vs. SD-WAN; it is about which network technology and connections best fit an organization's needs. Transtelco offers customers the best of both worlds with a hybrid solution that includes private links like MPLS with the flexibility, orchestration and analytics of SD-WAN. Customers can optimize their existing networks using existing MPLS connections

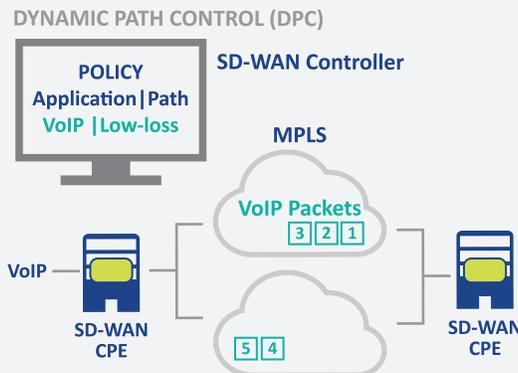
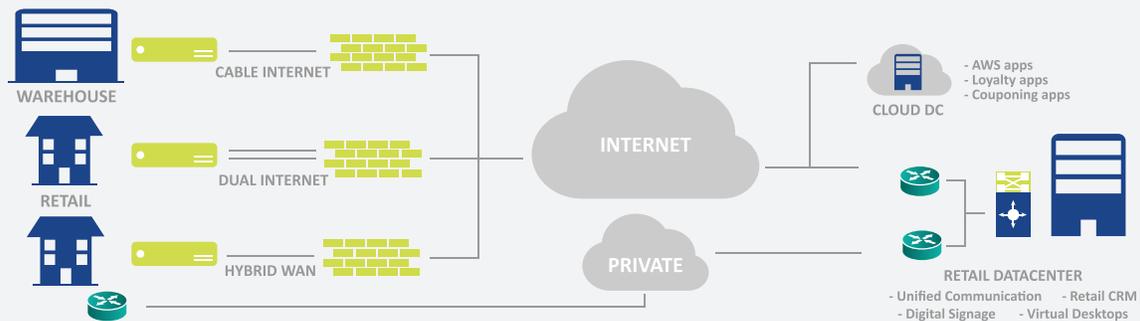
while taking advantage of highly manageable and cost-effective SD-WAN technology as they expand, add new locations, and increase their use of cloud services. Transtelco offers private network connections to ensure performance and security along with fixed fees per location. Transtelco's highly skilled engineers and technicians deliver full turnkey project management and dedicated network connections via fiber, copper and wireless.



Transtelco offers private network connections to ensure performance and security...



Diagram



For further information on contracting, contact our specialized staff that will help you with detailed explanations on how to achieve this solution and start enjoying its benefits.



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