Use Case: Deploying Turnium to Transition from MPLS to SD-WAN

turnium

CUSTOMER SUCCESS

The Canadian arm of a global law firm deployed Turnium Managed SD-WAN to eliminate their networking challenges. Locked into MPLS contracts with their telecommunications provider, the law firm needed a solution to improve network efficiency, performance, and security while reducing costs and complexity and providing a migration strategy away from MPLS to SD-WAN over time.

The firm's existing network solution featured:

One site with **50Mbps MPLS** and two backup circuits (one cable, one DSL)	Two sites with **10Mbps MPLS**	QoS deployed on all circuits with permanent voice and video reservation	A hefty **$6000+ per month** price tag

> **"** Other solutions we reviewed were either running in circuit failover mode, had high up-front capital costs for hardware, or were overly complex to design and deploy.
>
> - **Manager** of IT Infrastructure

A Customized SD-WAN Solution from Turnium

Staggered expiry dates for the firm's MPLS contracts and the requirement to maintain operations at all sites meant a rip-and-replace strategy was out of the question.

Turnium developed a plan that allowed the firm to deploy Turnium Managed SD-WAN network alongside existing MPLS circuits. This increased site speed and resilience and allowed for a multi-step strategy to transition to an internet-based encrypted network as the contracts for each MPLS circuit expired.

The Turnium plan involved the following steps

1	2	3	4
Deploy virtual SD-WAN aggregators at data center locations to integrate the SD-WAN and MPLS networks	Implement at two sites to demonstrate the real-world value of SD-WAN (additional bandwidth and performance)	Bond multiple broadband circuits from different providers at each site to increase bandwidth, reliability, performance, ROI	Provide additional backup connectivity using failover LTE connections

5	6	7	8
Use packet-level traffic distribution across aggregated circuits to provide sub-second failover	Allocate bandwidth to priority applications using dynamic QoS to improve performance and efficiency	Create routes between SD-WAN and MPLS networks to use the MPLS as pure transport and run a private network over both circuits	As MPLS contracts expire, migrate each site to SD-WAN. Remove virtual SD-WAN aggregators to simplify network architecture

Benefits of Turnium's SD-WAN Strategy

The Turnium solution gave the law firm an out -- a way to improve network resilience and security without facing the hefty costs that would come from breaking contracts with their telecom provider.

Improved Performance and Security

Bonded circuits provided carrier diversity, guaranteeing improved performance and security in transit
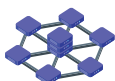
Reduced Complexity and Costs

Turnium eliminated complexity, cost, and vendor management challenges

Enhanced Continuity at a Lower Price

Bandwidth aggregation from multiple commodity circuits reduce costs while enhancing business continuity

Increased Network Resilience

LTE backups, packet-level traffic distribution, and sub-second failover delivered additional redundancies to improve resilience

Improved Efficiency

Bandwidth was allocated to priority applications using dynamic QoS to improve performance and efficiency

Compliance with Security Regulations

Advanced encryption ensured the firm met Canadian requirements for the security of data in transit

Unlock the Power of Your Network with Turnium

Turnium connects your people, customers, applications, and data with a flexible, cloud-native SD-WAN network. We can help you deploy a virtual, secure, routable network over top of any physical network circuit, meaning your data stays secure and you have full performance visibility. Make Turnium your first choice for flexible options to the secure multi-site networks you need to transform your business, boost productivity, and improve customer and employee satisfaction – simply and in a cost-effective way.

Contact us today to discuss your networking needs.

About Turnium

Turnium Technology Group, Inc. delivers its software-defined wide area networking (SD-WAN) solution as a white label, containerized, disaggregated software platform that channel partners host, manage, brand, and price and as a managed cloud-native service. Turnium SD-WAN is available through a channel partner program designed for Telecommunications Service Providers, Internet and Managed Service Providers, System Integrators, and Value-Added Resellers.

About SD-WAN

SD-WAN is revolutionizing the networking and telecommunications industry by abstracting secure, high-speed networking and network control from underlying physical circuits. SD-WAN frees enterprises, small-medium businesses, cloud, and managed services providers from the business and cost constraints imposed by traditional telecommunications companies.

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