



MPLS, DIA & Ethernet – Building Blocks for an Integrated WAN Solution

Foundational connectivity technologies such as MPLS, DIA and Ethernet can help businesses develop and execute an optimal transition plan to new operating models that leverage SD-WAN capabilities.

Challenge

Enterprises today seek to drive digital transformation enabled by software-defined networking (SDN) technology, Cloud-based delivery models and Internet of Things (IoT) devices. But getting there is complicated. There's no one-size-fits-all solution, and every business has unique requirements, as well as legacy technology that presents specific challenges in terms of integrating new capabilities. A tailor-made solution strategy that leverages the particular strengths of each of these technologies can smooth the evolution to digital operations.

As businesses look to leverage the benefits of Cloud-based delivery and storage models, many are taking a hybrid approach, moving some applications and data to the Cloud, while keeping other resources on-premises. In these environments, integrating traditional network technologies with SD-WAN plays an essential role in supporting the transition by providing security, low latency, reduced costs and streamlined management. These connectivity capabilities are similarly critical for supporting Internet of Things (IoT) initiatives that involve billions of physical devices continually collecting and sharing data globally. The challenge lies in selecting the right mix of connectivity capabilities to optimize performance and cost efficiency.

**“ SD-WAN PLAYS AN ESSENTIAL
ROLE IN SUPPORTING THE TRANSITION
BY PROVIDING SECURITY, LOW LATENCY
& REDUCED COSTS. ”**

Solution

By focusing on customer needs and delivering tailored solutions that align to business requirements, we provide a one-stop shopping option for integrated WAN solutions that leverages an optimal mix of technology features and benefits. MPLS, for example, is ideal for complex environments with demanding data transport requirements with end-to-end quality of service, security and privacy. DIA, meanwhile, is more cost-efficient for last-mile access to Internet, while maintaining high levels of availability and bandwidth guarantees. And bundled with SD-WAN, DIA can replace aging T1 lines. Carrier Ethernet, meanwhile, provides a good fit for point-to-point connectivity services.

Our SD-WAN connectivity offerings are configurable either by our teams or by the customer to deliver capabilities such as minimal network latency for real-time applications, as well as redundancy for business-critical applications, all with single pane-of-glass visibility.

**“ END-TO-END QUALITY
OF SERVICE, SECURITY
& PRIVACY. ”**

● **Benefits**

All connectivity offerings are supported by Network Operations Center (NOC) staff with dedicated service managers 24x7x365.

Specific benefits of our MPLS solution include:

- > Cost-effective integration to converge and migrate from legacy facilities to IP.
- > Redundancy options for customizable levels of path protection.
- > Nationwide and international connectivity options with continuous, dedicated monitoring.

Our DIA solution offers:

- > Flexible low-, medium- and high-speed connectivity and customized solution options to support a range of business needs.
- > Extensive coverage and convenient bandwidth options to support business growth.
- > Ease of implementation and rapid deployment and upgrades to respond to changing business needs.

Ethernet features and benefits include:

- > Fast access to bandwidth options to support business growth.
- > Easy connection to Cloud services, datacenters, enterprise headquarters and remote locations globally, with bandwidth options from 2Mb to 10Gbps, with Class of Service (CoS) and performance assurance reporting.
- > Access to major cities from a single service provider.