From **MPLS** to Managed SD-WAN

**Government’s Journey to Network Nirvana**

When introduced, MPLS was the right technology for the time, delivering a secure, reliable and predictable experience. But with the surge of network demands driving forward-thinking agencies to look to high bandwidth, always connected, cloud-enabled services, MPLS no longer meets every need. Increasingly, government agencies are transforming legacy networks into the network nirvana of fully managed SD-WAN. Follow their journey.

**Legacy MPLS**

- Bandwidth constrained
- Rigid network infrastructure
- Expensive

**Challenges**

**Hybrid WAN**

- Address bandwidth needs
- Improve network availability
- Enable network segmentation
- Direct Internet Access for some apps

**Benefits**

- Strong edge security for cloud apps
- Ability to onboard new apps

**Challenges**

- MPLS still expensive and limited bandwidth
- Bandwidth not efficiently used across paths
- Increased complexity limits agility and increases management overhead
- Difficult to deploy

**Managed SD-WAN**

- Most cost-effective
- App-aware intelligent path control
- Agile and efficient network usage
- Increased network agility simplifies deployment and management
- Single portal provides centralized administration and network visibility

**Optimized Hybrid WAN**

- Reduce brownouts and blackouts
- Enhanced app performance
- Enterprise-grade QoS and VoIP