

Mode Core

MPLS Reliability and QoS. Cloud Service Flexibility. Business-Internet Pricing.

Mode Core is a cloud private network that brings flexible, affordable QoS connectivity to any SD-WAN solution. It works side-by-side with Internet and MPLS. Moving even a small portion of traffic from MPLS can pay for an entire SD-WAN instance, with no performance impact.

Mode Math Discovery
Applied @Layers 2 & 3



Global, Reliable, Secure Underlay

ERICSSON
UNIFIED DELIVERY NETWORK

Microsoft
Azure

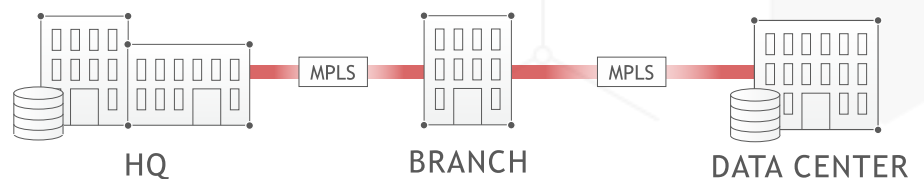
Leads to a New Era in
Network Performance



HIGHEST-PERFORMING CLOUD PRIVATE NETWORK

MPLS

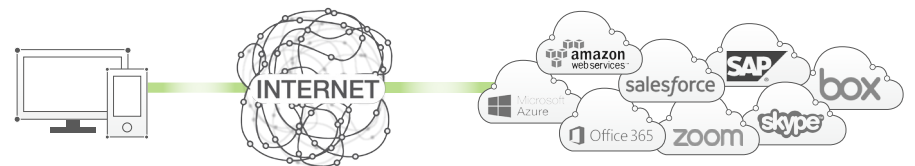
Enterprise connectivity used to be simple. Technologies like MPLS connected business locations, and their in-house applications and data. Things were secure and reliable, albeit expensive and inflexible.



RELIABLE BUT EXPENSIVE AND INFLEXIBLE

Cloud

Then Cloud came and changed everything. Today, more and more applications and data exist outside the enterprise, with internet used for access. This trend embraces flexibility and affordability, but is subject to the risk of an unpredictable internet.

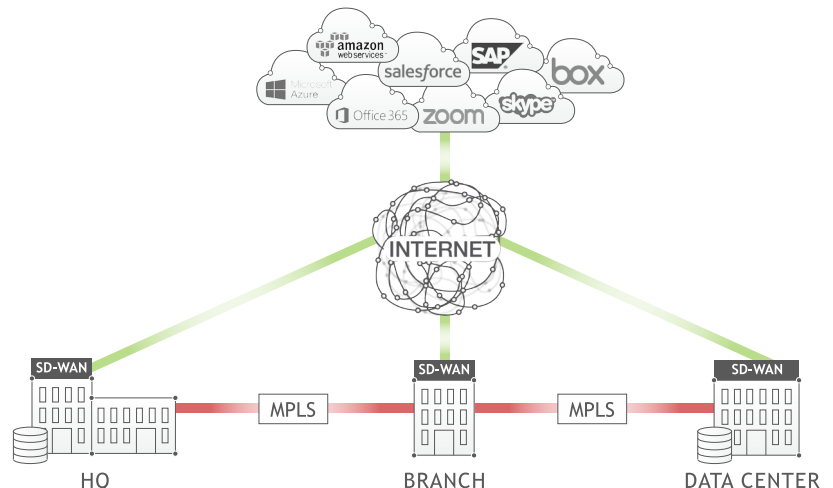


FLEXIBLE AND AFFORDABLE, BUT UNRELIABLE

SD-WAN

SD-WAN helps enterprises manage these various networks, enabling them to assign different applications to different networks. You can choose reliability, or affordability — but not both.

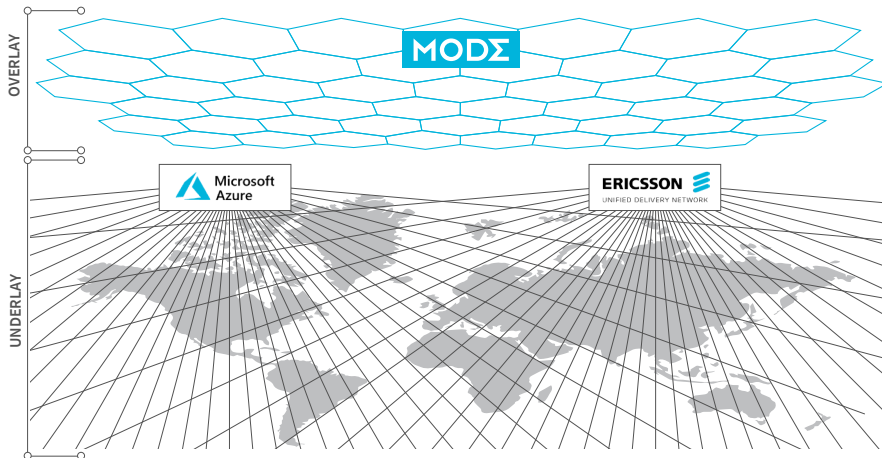
At Mode, we believe SD-WAN needs an affordable QoS connectivity option, one that supports the graceful, phased transition from MPLS, and that is as flexible and elastic in setup and use as the cloud itself. We built Mode Core as a carrier-grade software-defined cloud private network that works with any SD-WAN solution, has MPLS-like availability, and comes with SLA guarantees — all at a business internet price point.



AFFORDABLE OR RELIABLE — CHOOSE ONE

Math Builds the Best Network

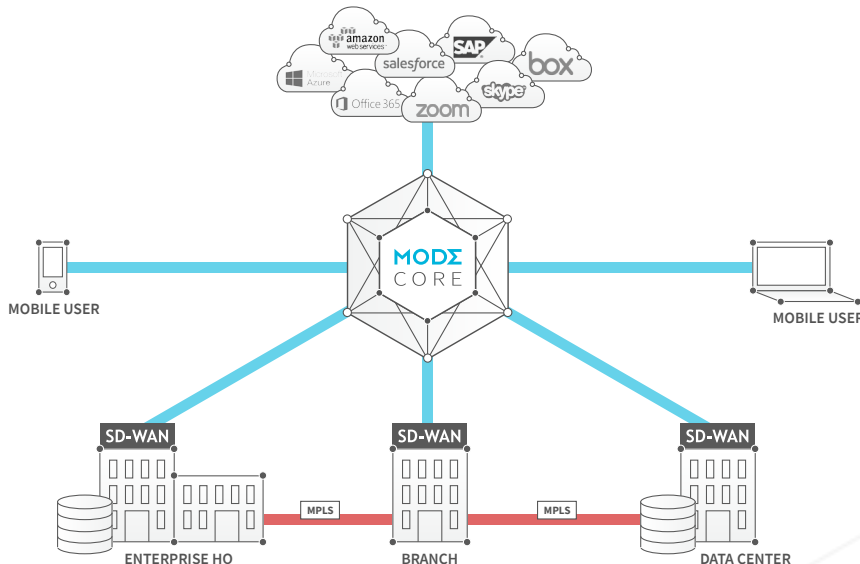
Simple network optimizations like WANOP, caching, and TCP tuning aren't enough to deliver a cloud service core network with both true MPLS reliability and business-internet pricing. Mode was founded by two Cornell computer scientists who — for the first time — derived the dynamical system equations that define all packet-switched networks, and designed a distributed, optimal feedback control system we call **Mode HALO**. We implement this discovery as a fully autonomous global network to realize multiples of throughput performance, and the near elimination of latency variance. Mode Core is the world's highest-performing cloud private network.



MODE CORE: MATH DISCOVERY + GLOBAL SECURE UNDERLAY NETWORK

Mode Core: Highest-Performing Cloud Private Network

Mode Core works with any SD-WAN solution, operating side-by-side with internet and MPLS. Mode Core supports the safe, phased transition from MPLS to a QoS Network with high availability, SLA guarantees, and business-internet pricing. Even a small transition from MPLS to Mode Core can pay for an entire SD-WAN implementation.



QoS AT BUSINESS-INTERNET PRICING

Mode Core supports an unprecedented unified communications experience, delivering the QoS and SLA-backing of UC over MPLS, at a small fraction of the price. Mode Core is also ideal for site-to-site connectivity, remote access, and the entire gamut of the today's cloud applications.

One-step SD-WAN device configuration sends your traffic to the nearest Mode Core POP. Traffic is securely routed over our optimized private core to either unified communications solutions (e.g. Mitel, Bluejeans), cloud services (e.g. Azure, Office 365, Salesforce), or remote users on VPNs.

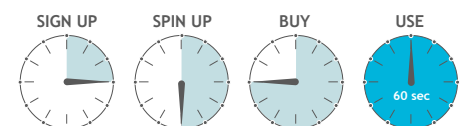


MODE IS WHEREVER YOU DO BUSINESS

Another Mode innovation allows businesses to spin up a global private network in under 60 seconds. Businesses can create as many of their own private networks as they need, even creating separate networks for separate applications.

Cloud private networks on Mode Core are transparent end-to-end, extending the edge transparency of any SD-WAN all the way through the core of the entire network.

Mode Core offers instant, elastic QoS bandwidth scaling. Just spin up as many networks as you like, and QoS bandwidth is automatically adjusted in real time to meet dynamic demand among all your Mode Core networks. It's that simple.



TRANSPARENT, QoS NETWORKS IN UNDER A MINUTE

Mode is backed by Google Ventures, New Enterprise Associates, and the National Science Foundation.

For more information about Mode Core, contact sales@mode.net.