HIGH ASSURANCE DATA PROTECTION FOR MPLS

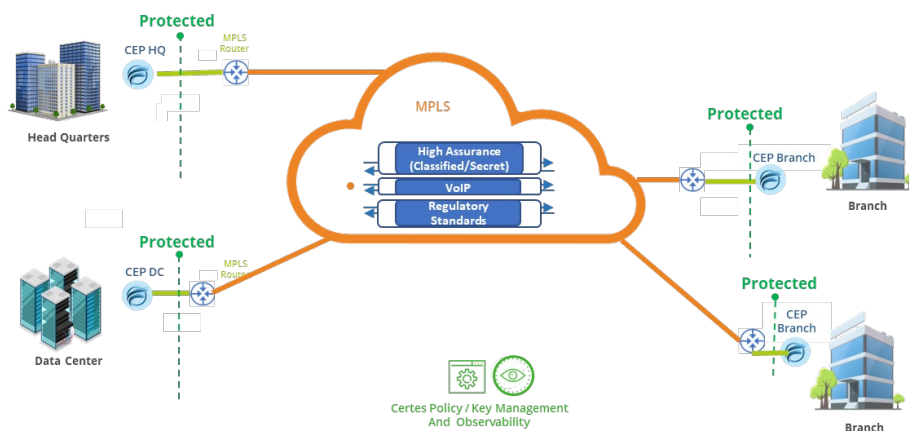## SECURING YOUR CRITICAL **DATA** ACROSS ANY NETWORK

THE CHALLENGE

MPLS is a Shared Network Service (not Private) and technically a Virtual Private Network. MPLS (Multi-Protocol Label Switching) is an encapsulation technology used to carry arbitrary data (usually IP packets) across a network. Provider networks typically leverage MPLS to establish independent IP routing domains on their backbone network, and can leverage other associated protocols to enhance switching of MPLS packets.

- ☑ MPLS is a Virtual Private Network
- ☑ MPLS is a Closed Network
- ☑ MPLS provides dedicated bandwidth
- ☑ MPLS is a Shared Service
- ☑ MPLS SLAs are built around reliable delivery
- ☑ MPLS reduces congestion improving the user experience
- ☑ MPLS improves network utilisation

- ☒ No Protection against misconfiguration
- ☒ No Protection from attacks within the core
- ☒ No Protection or detection of Sniffing/snooping
- ☒ No Data Security
- ☒ MPLS cannot protect against data loss
- ☒ MPLS cannot protect against Ransomware attacks.
- ☒ MPLS does not understand the Business value of the data it carries.
- ☒ MPLS does not meet Compliance needs in Regulated Industries

THE SOLUTION = (MPLS + CERTES)

- ☑ Certes is 100% focused on protecting valuable customer data
- ☑ Certes can protect data in the supply chain / 3rd party network outside of an MPLS Network
- ☑ Certes can protect data in Cloud / Multi-cloud environments
- ☑ Certes placed as close to the User / Application as possible protects data no matter where it travels – including LAN side.
- ☑ Certes Overlays any MPLS Service Provider

- ☑ Certes separates each valuable data flow into its own separate encrypted flow – making it useless to anyone other than the intended recipient
- ☑ Certes separates key owner from key admin for the encryption – true separation, true Zero Trust
- ☑ Certes compliments MPLS by adding LAN side and whole journey protection for the data irrespective of where it travels.
- ☑ CERTES Assures customer regulatory compliance

MPLS + CERTES = Agility, Performance and Data Protection for the customer

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CERTES NETWORKS