HIGH ASSURANCE DATA PROTECTION FOR IPSEC

SECURING YOUR CRITICAL **DATA** ACROSS ANY NETWORK

THE CHALLENGE

Internet Protocol Security (IPSec) is a suite of protocols usually used by VPNs to create a secure connection over the internet. The IPSec suite offers features such as tunneling and cryptography for security purposes. The IPsec suite of protocols secures data transmitted over the internet or any public network using encryption between two endpoints. IPsec is often used to establish mutual authentication between computers at the beginning of a session and to negotiate cryptographic keys during a session.

IPSEC BENEFITS:

- ☑ IPsec uses a combination of encryption, authentication, and integrity-checking
- ☑ IPsec is an industry standard and is supported by a wide range of devices and operating systems
- ☑ Scalability: IPsec can support large numbers of users and networks

IPSEC CHALLENGES

- ☒ IPsec can be difficult to set up and configure, and requires specialized knowledge
- ☒ IPsec can add significant overhead to network traffic, which can impact performance
- ☒ IPsec implementations from different vendors may not be fully compatible with one another
- ☒ IPsec provides bulk protection for all traffic traversing a tunnel using same encryption keys

THE SOLUTION = IPSEC + CERTES

- ☑ Certes is 100% focused on protecting valuable customer data
- ☑ Certes Patented Layer 4 protection placed as close to the User / Application as possible protects data no matter where it travels – including LAN side.
- ☑ Certes Overlays any IPsec Solution

- ☑ 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 IPsec by adding LAN side and whole journey protection for the data irrespective of where it travels
- ☑ CERTES Assures customer regulatory compliance
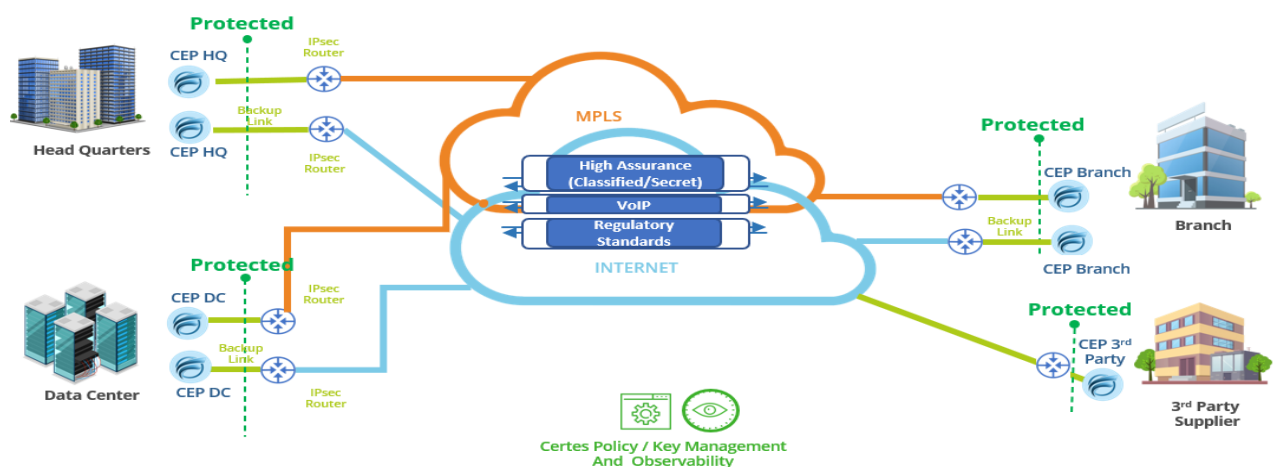
IPSEC + CERTES = Superior Data Protection for the customer

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CERTES
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