End-to-End IPSec Encryption

AVIATRIX HIGH-PERFORMANCE ENCRYPTION (HPE)

NIST Tenet

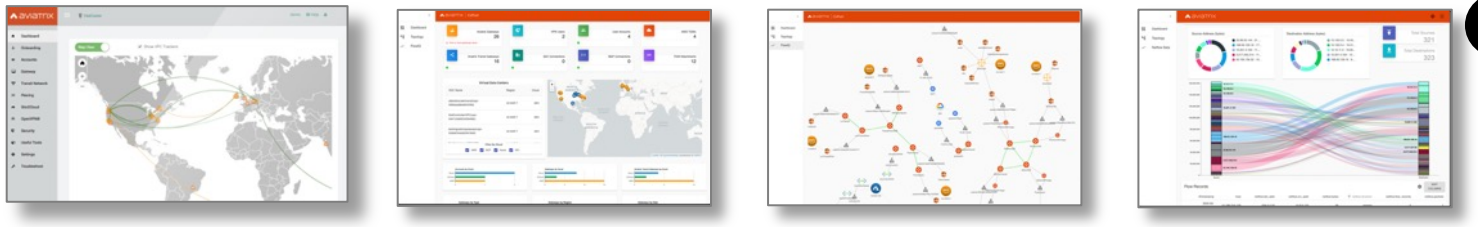
From NIST Publication 800-207 - Zero Trust Architecture (ZTA)

"All communication is secured regardless of network location. Network location alone does not imply trust. All communication should be done in the most secure manner available."

The network built by Aviatrix is always Encrypted – No Other Option

Aviatrix Controller

Terraform
Single Multi-Cloud Provider



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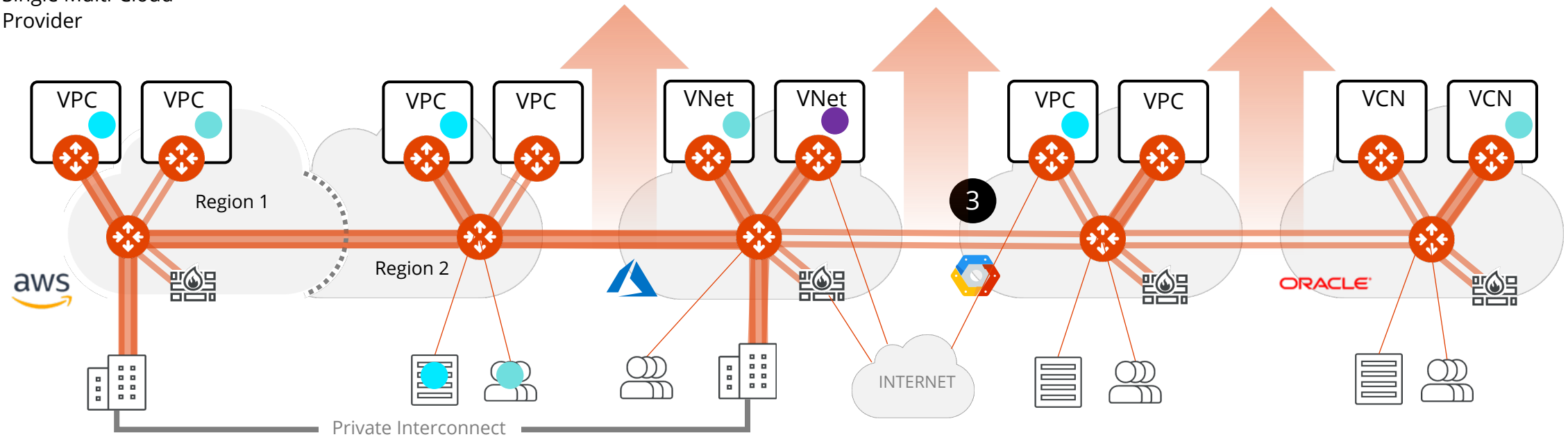
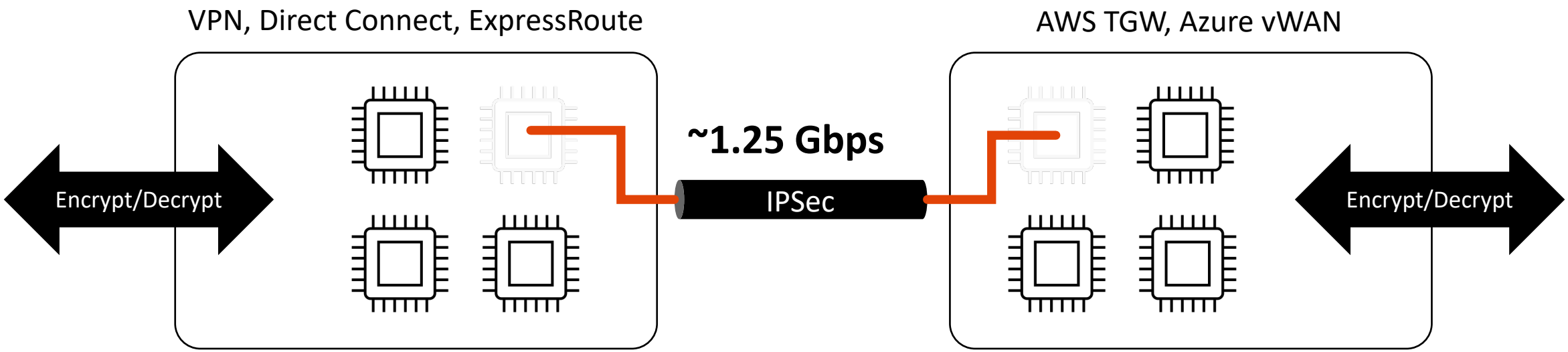
Aviatrix CoPilot



Standard Network Encryption Throughput

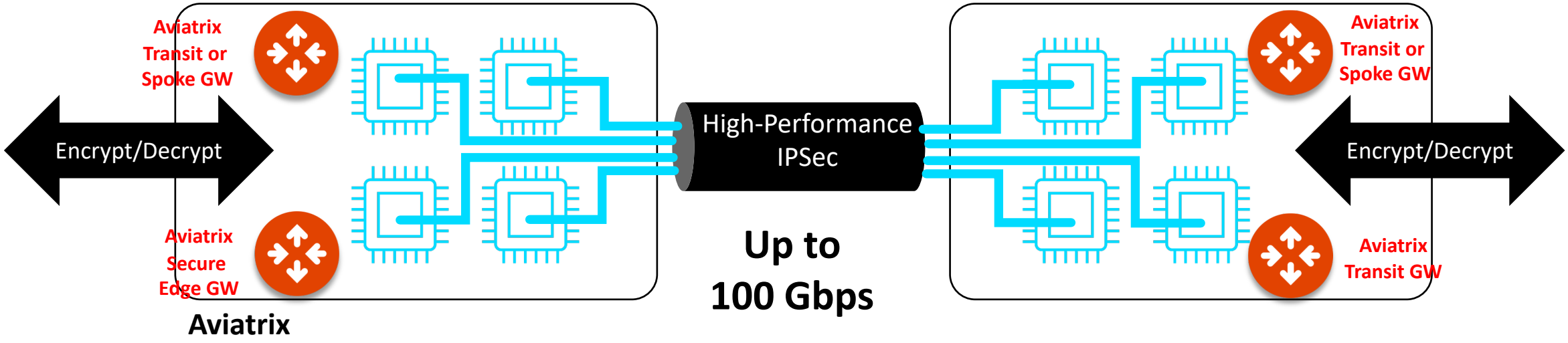
- Native Cloud IPsec VPN solutions have a maximum encryption performance of 1.25Gbps per tunnel
- That's because virtual routers utilize a single core, and they establish only one tunnel



Impacts Applications Performance and Increases Business Risk

Aviatrix Secure Cloud Networking | High-Performance IPsec Encryption

- Aviatrix Controller automatically builds multiple tunnels between Aviatrix devices
- Uses all available CPU cores
- IPsec encryption performance can be up to 90 Gbps



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