Versatility 2024

Revolutionize Your Network

SD-WAN powered Traffic Engineered Versa Cloud Fabric for Global Connectivity

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Enterprise Networks are changing

Expanded Geographical Scope	Rise of Cloud and SaaS	Dynamic Network for Dynamic Needs
Global Enterprises, Hybrid Workforce and Dynamic SaaS Architectures expand the enterprise network beyond the traditional network	Customers rely on Multi-Cloud and SaaS applications for business critical needs.	SaaS applications with innovative data strategy, networks interconnects are not reliable

Challenge: How to ensure optimal application experience in fast changing environment

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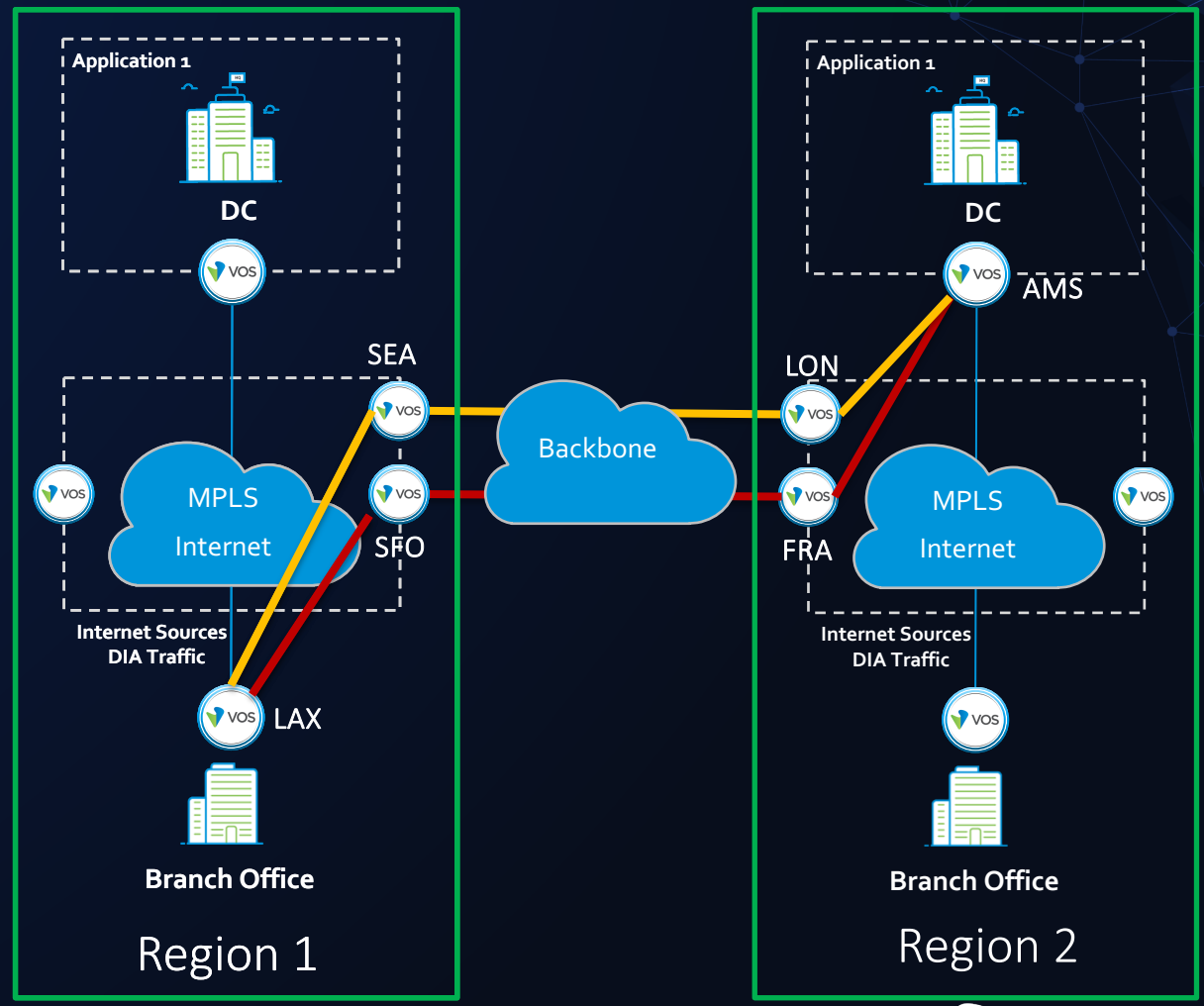
Traffic Steering in Global WAN

- A global enterprise connects users in different regions to applications and users
- Deploys hub at Colo in each region of presence
- Multiple backbone providers to connect different regions
- Complex Routing to reflect the backbone performance and link diversity
- Challenges
  - Remote users in new region
  - SaaS Application access
  - Cloud Security for Internet Access



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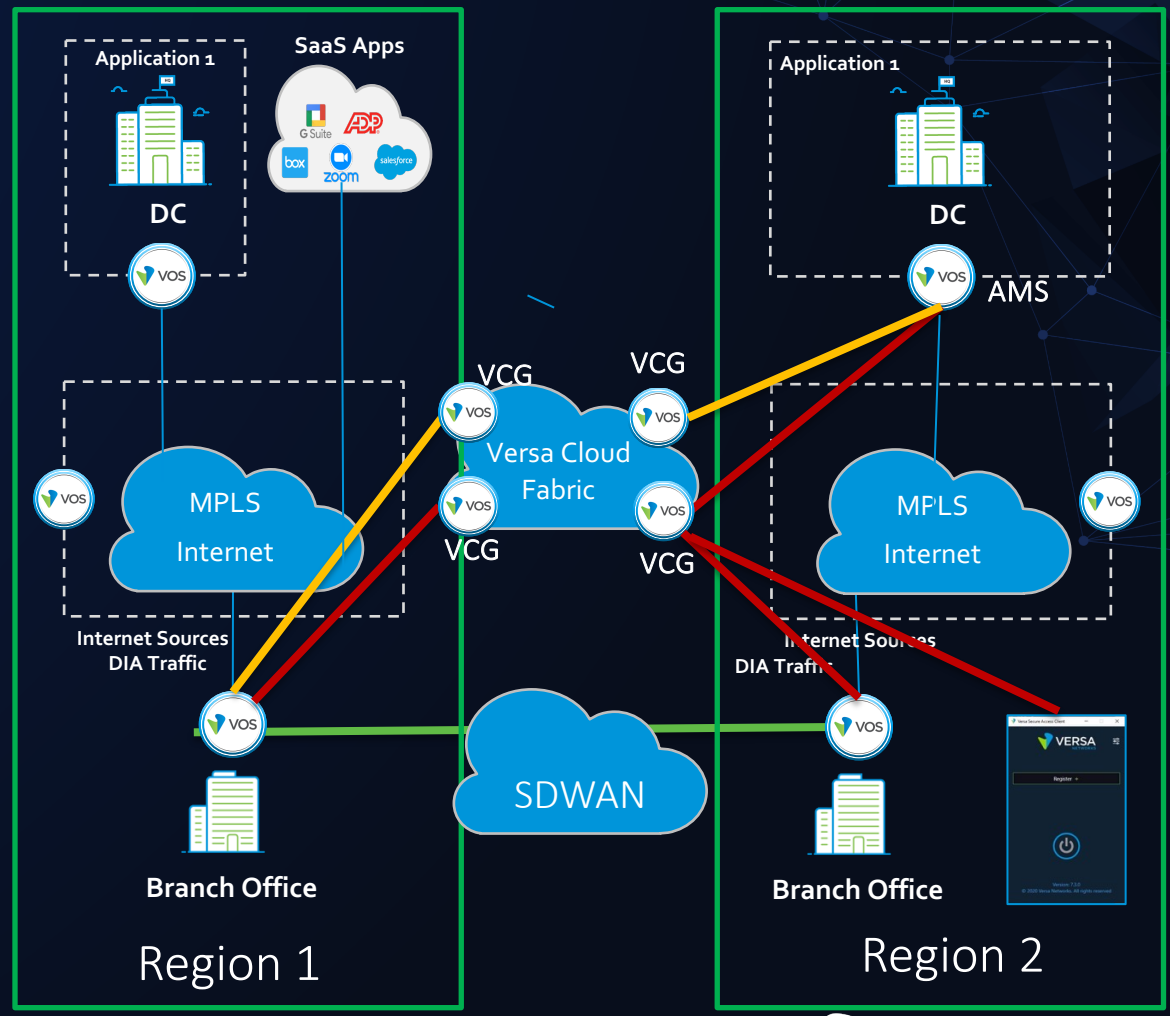
What is the Right Solution?

- Customer subscribes to a cloud delivered fabric service, in geography of choice and dimension / capacity of choice
- Customer provides the “intent” of the networking, abstracting complex configurations
- Connectivity is automated for both branches and remote users
- Solution is provided for
  - Remote users to internal applications
  - Remote users to SaaS applications
  - Branch users to SaaS applications
  - Branch users to internal applications
  - Cloud Workload connectivity across regions and clouds
- Securing the traffic is optional add-on integrated with the service



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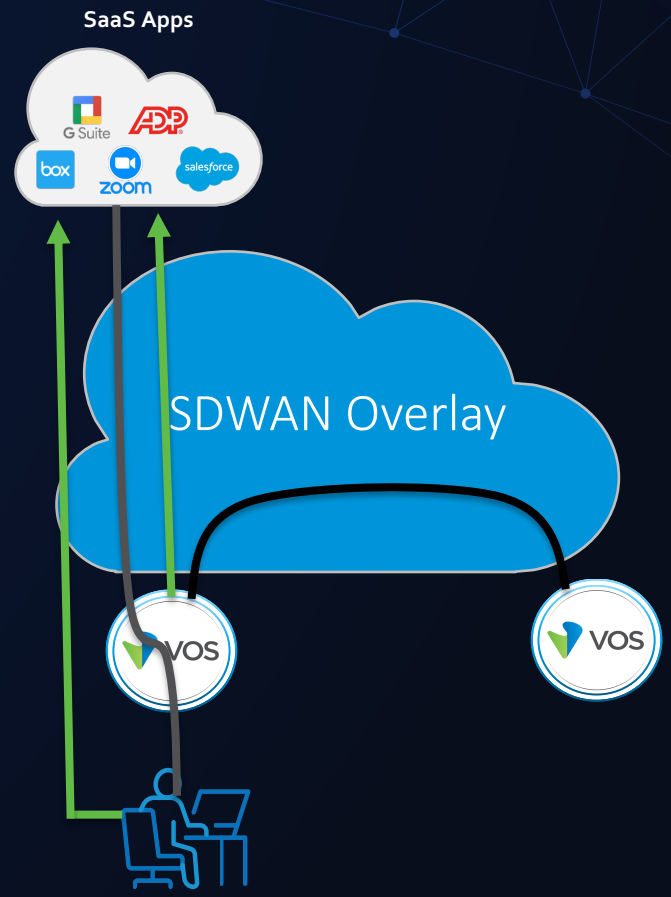
Measure

SDWAN SLA
- Applicable for Bookended traffic
- Most accurate estimation of perf

Active Mon
- VOS initiated artificial probes
- HTTP, TCP, ICMP

Passive Mon
- TCP metrics of actual data path
- Accurate but not always available

Digital Exp
- Device initiated artificial probes
- Obtains environment information of the device



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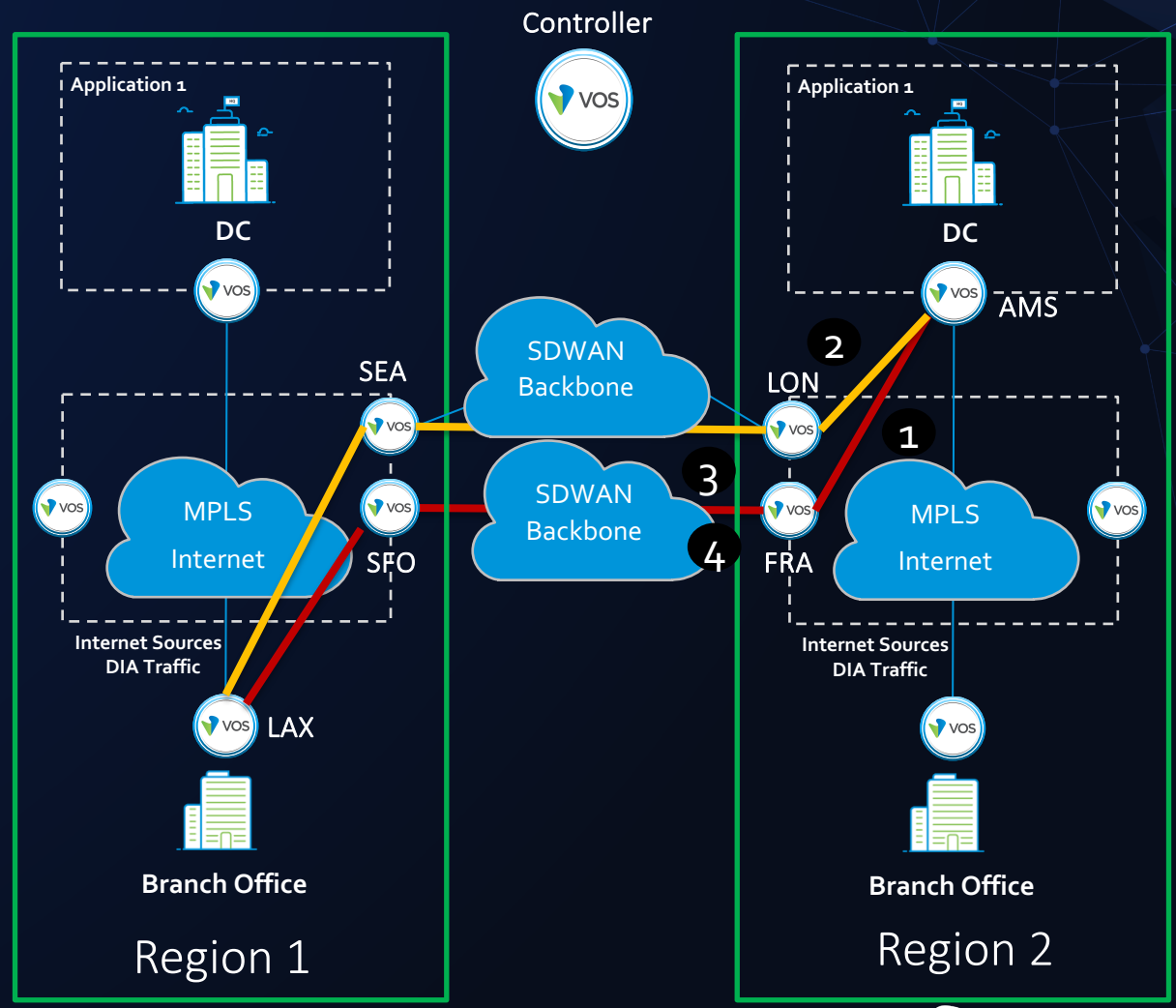
Explaining Traffic Engineered SDWAN

- (1), (2), (3) and (4) are real time SLA measurements.
- These are distributed over MP-BGP to all nodes in the SDWAN overlay
- LAX calculates the best path towards DC in AMS based on the performance information.
- Say (4) gets degraded due to interruptions, LAX would be informed over MP-BGP.



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Versa Unified SASE

AI/ML powered platform

Industry leading VOS™ multi-tenant software

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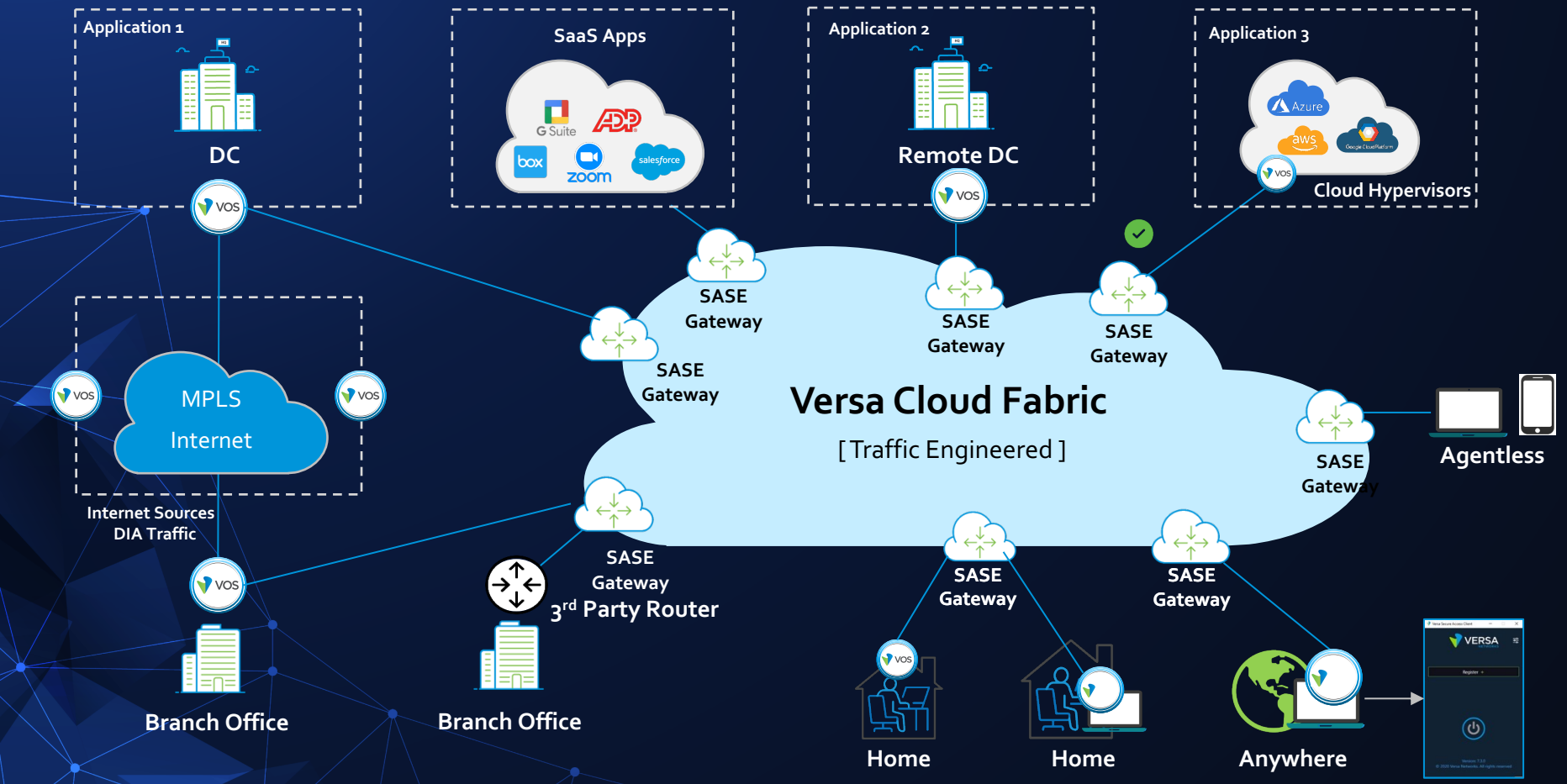
Versa Cloud Fabric



Versa Concerto

Single Pane of Management, Monitoring and Visibility

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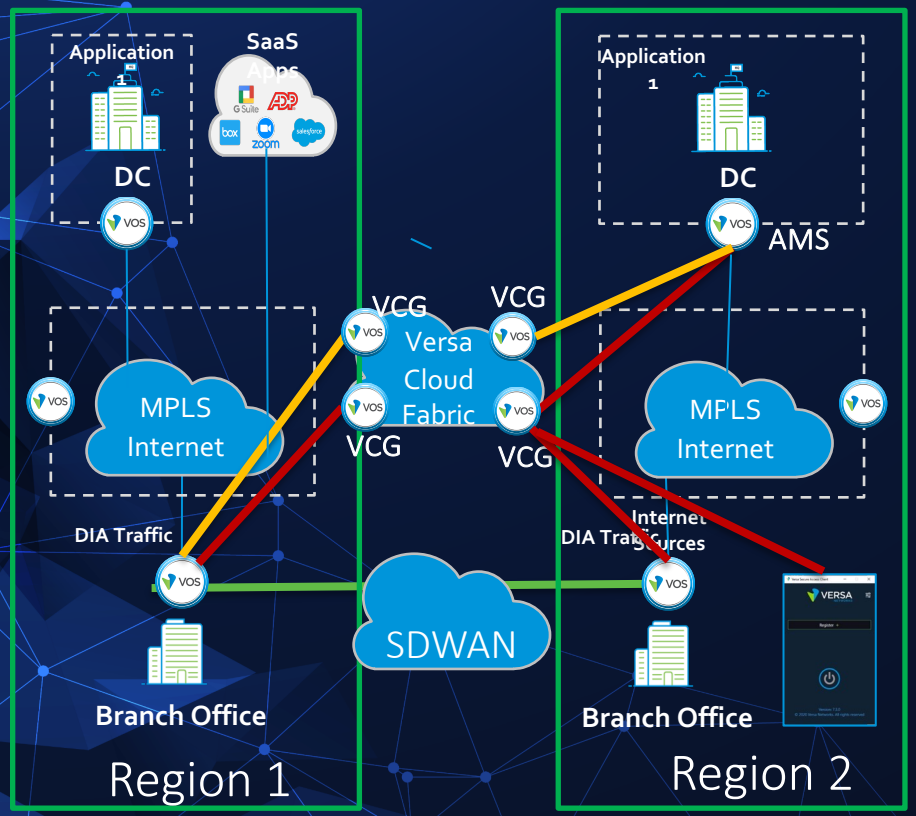
Versa Secure Access Fabric

Dynamic on-ramp close to the user and to the destination

Optimal user experience by utilizing the high-speed, low latency, secure SASE Backbone

SD-WAN style connectivity and Traffic Engineering across the SASE Backbone



Advantages:

- **Best user experience:** Leverages inbuilt end to end SLA and performance metrics
- **End-to-end multi-tenancy:** conserve costs and enables granular role-based access control
- **Advanced routing:** to support flexible topologies
- **Simplified** operation experience
- **Option for native full stack of security:** protects workloads from unauthorized access, data loss (via DLP), ransomware, malware, vulnerability exploits

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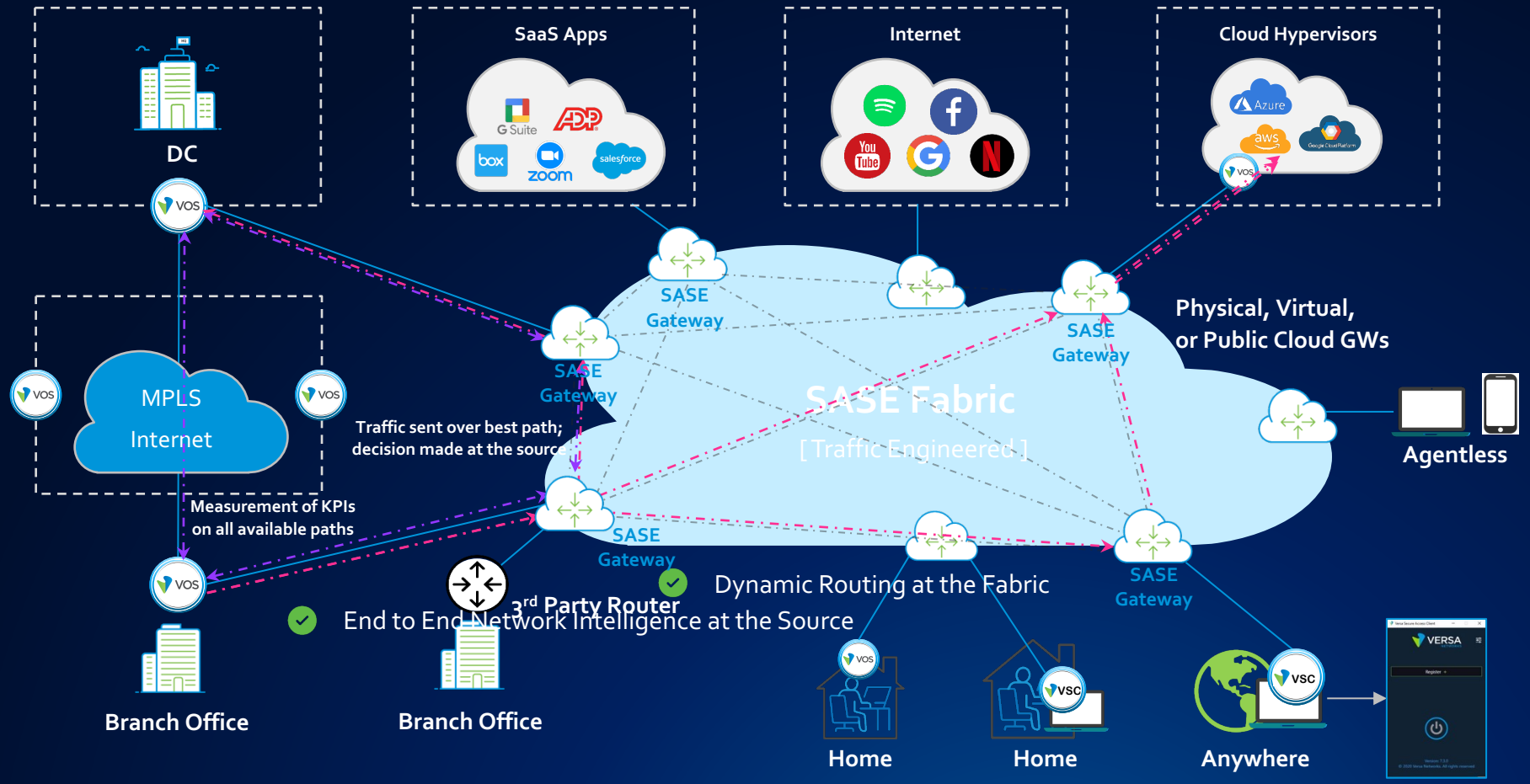
Traffic Engineered SASE Fabric



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Single Pane of Management, Monitoring and Visibility

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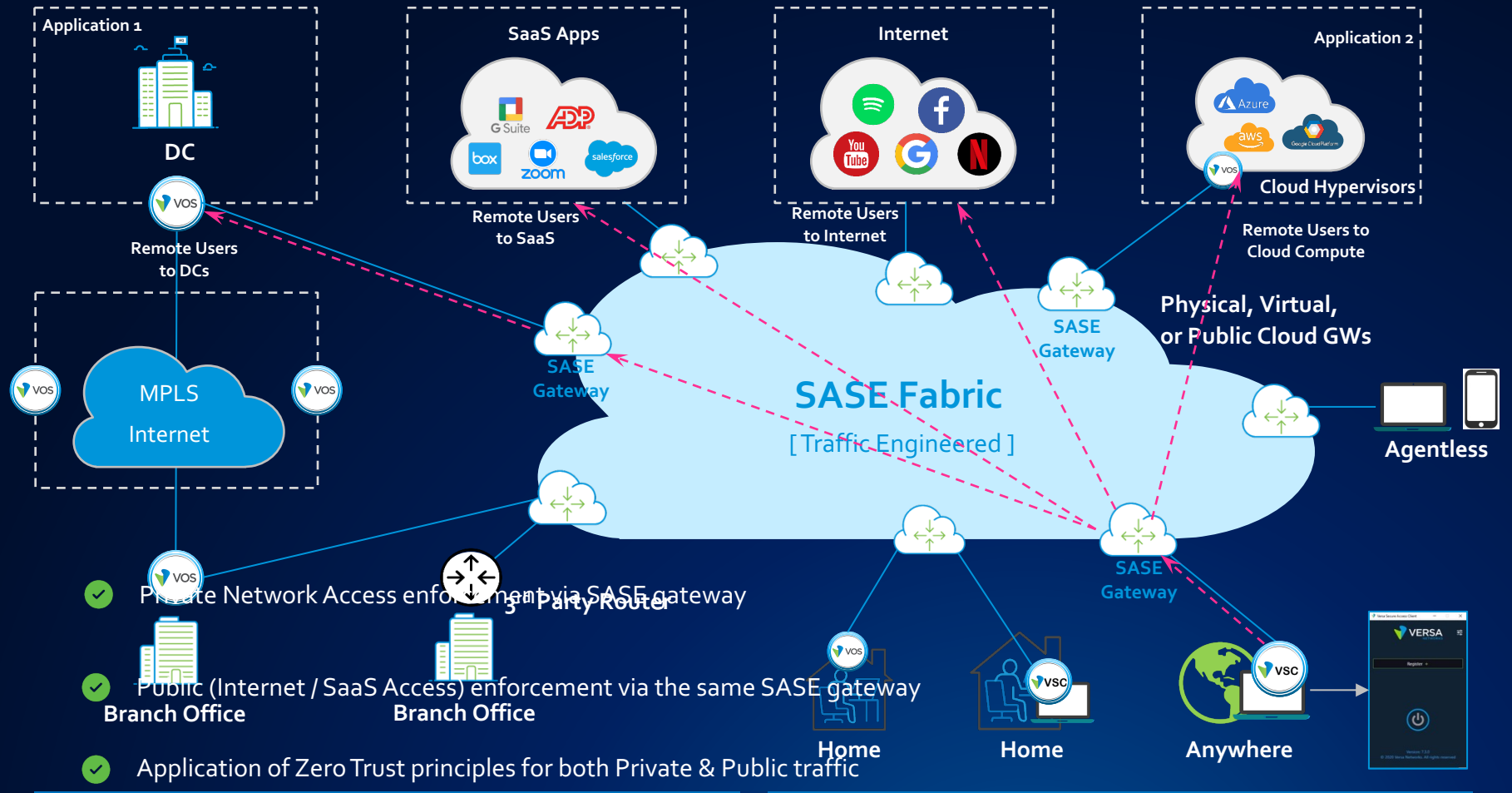
Unified Platform for Both Private & Public Access



- Private Network Access enforcement via SASE gateway
- Public (Internet / SaaS Access) enforcement via the same SASE gateway
- Application of Zero Trust principles for both Private & Public traffic

Branch Users

Remote Users

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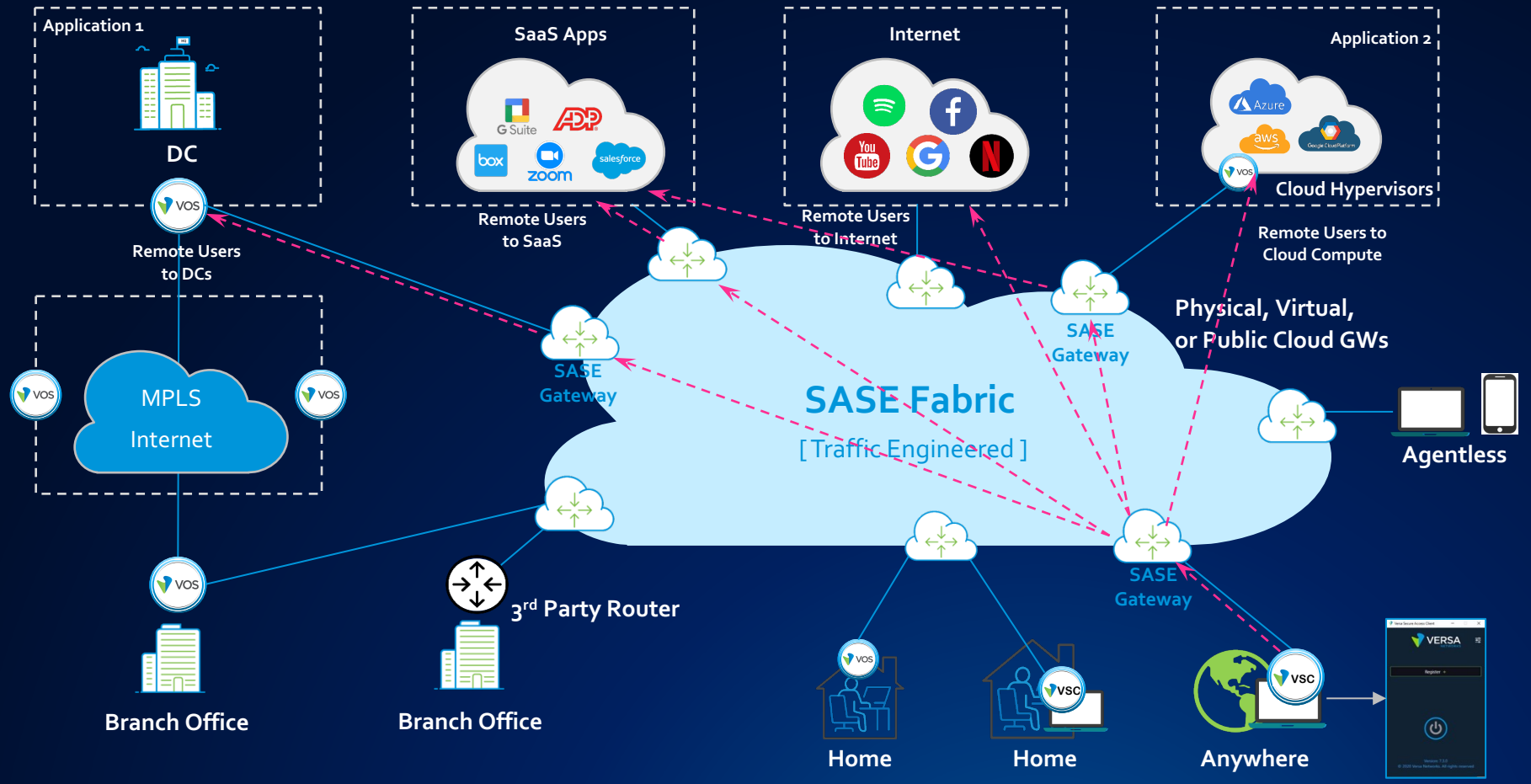

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Single Pane of Management, Monitoring and Visibility

Branch Users

Remote Users

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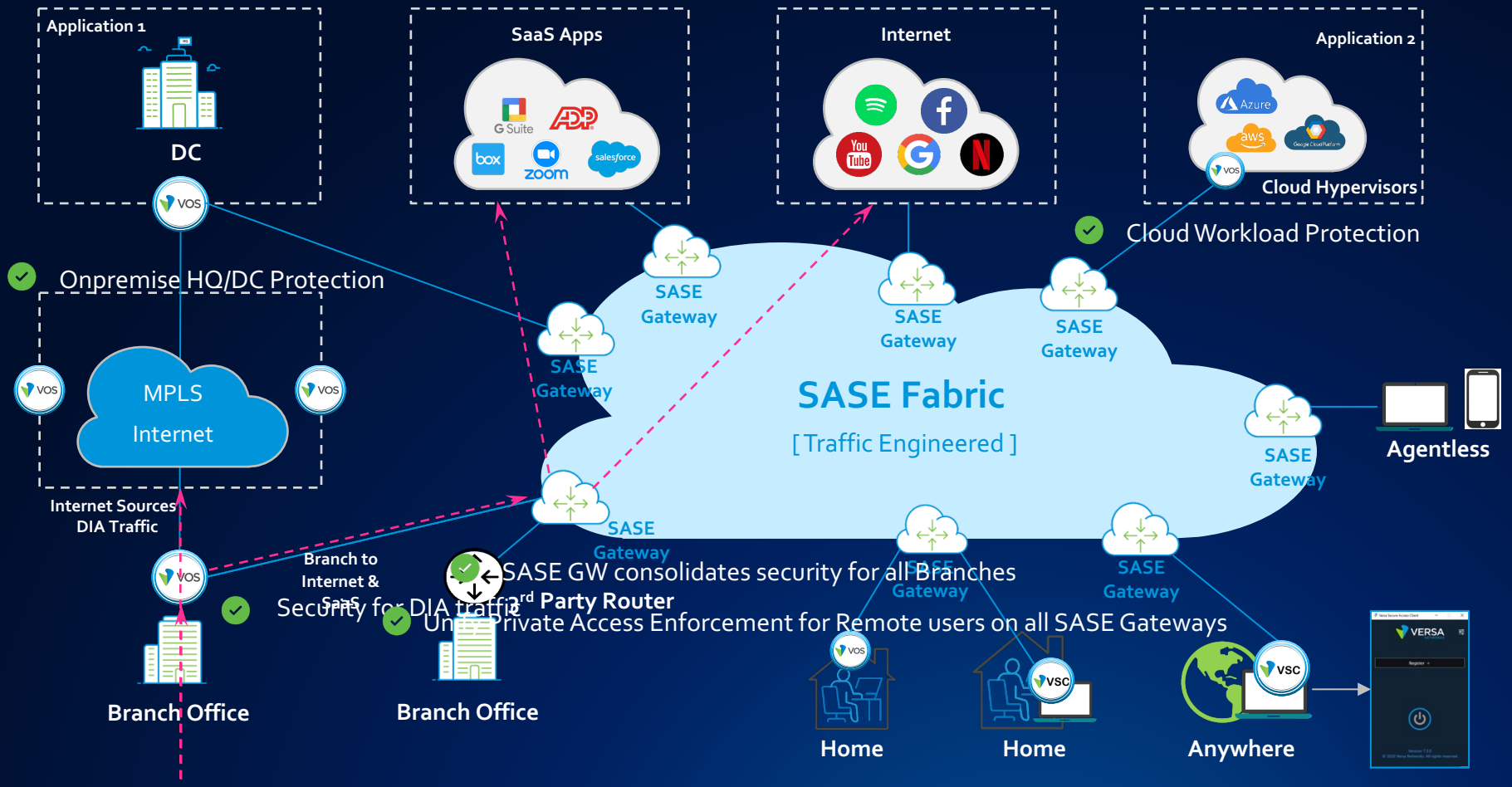
Ubiquitous Security



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Single Pane of Management, Monitoring and Visibility

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Versa SASE Fabric Components

- Connectivity Edge
  - Versa Client (for remote users)
  - VOS (deployed on-prem)
  - Third Party Firewall
- Connectivity Method from Edge
  - IPsec or SSL VPN from Versa Client
  - SDWAN Overlay
  - S2S IPSec/GRE
- Versa Cloud Gateways
  - SDWAN based Traffic Engineered Middle Mile Connectivity
  - Active and Passive Monitoring
  - User and Site authentication for security
  - Base security features built-in to provide foundational / infra level security / protection

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Versa Cloud Fabric – a Globally Available Fabric

- Global footprint with close proximity to popular cloud services
- Also satisfying data sovereignty requirements of respective countries

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Single Pane of Glass for Visibility and Management

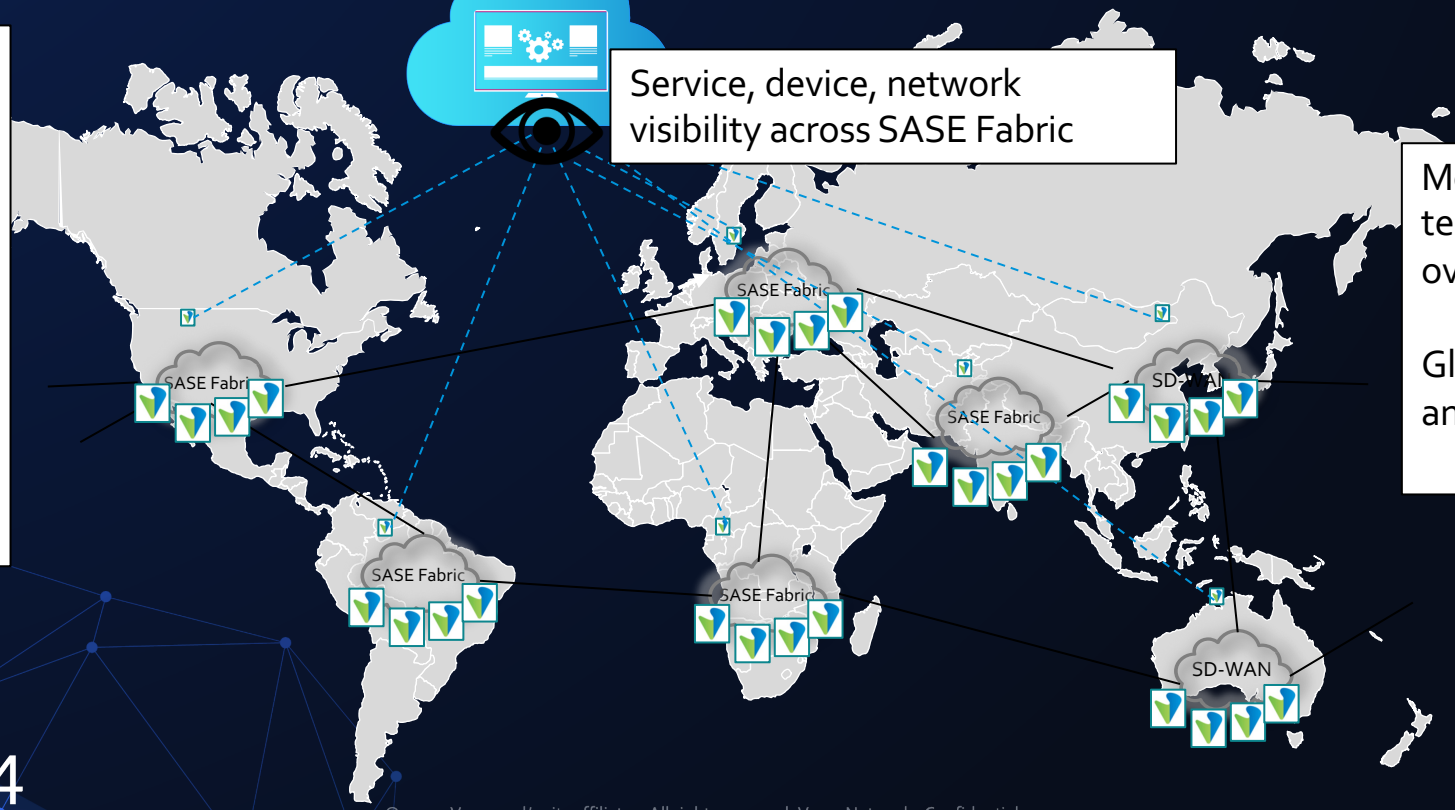
Service Description, provisioning, management – end to end
Across multiple Versa Cloud Fabric regions

Service, device, network visibility across SASE Fabric

Managing each service instance deployed globally and locally

Each region to have its localized SD-WAN based Versa Cloud Fabric paths

Seamless stitching of Fabric paths across regions – end-to-end paths, NNI points



Monitoring and managing tenants, networks spread over SASE regions

Global SASE Fabric visibility and traffic management

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Customer Benefits

- Delivered as a Service
  - No Hardware deployment, Colo facility deployment, Individual agreements with ISPs
- QoS Aware Networking
  - Applications host end to end QoS
- Encrypted Last Mile, Encrypted Transport
  - Secure transit
- Fast Cloud On-ramp for branches and remote users
- End to end segmentation of traffic
  - Extend tenancy and VRs across the network
  - Optionally add-on Zero Trust
- Fast and assured connectivity to SaaS apps and to public, private clouds
  - Pre-instantiated cloud and SaaS gateways

Questions

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