

# SD WAN

A business-driven, unified SD WAN solution specifically designed for cloud-first enterprises

## Transform to a Business-first Networking Model

As the adoption of cloud-based applications grows, geographically dispersed enterprises increasingly view the wide area network (WAN) as critical to connecting users to applications.

The software-defined wide area network (SD WAN) is a virtual WAN architecture that uses a centralised control function to securely and intelligently direct application traffic across the WAN. An SD WAN provides enterprises with the flexibility to use any combination of transport services, including MPLS, 4G/5G and broadband internet services.

With SD WAN, it allows today's geographically dispersed enterprises to realize the transformation promise of cloud computing, lowering capital and operational costs, providing the best possible experience for employees and customers, and adapting rapidly to evolving market requirements.

Epsilon has partnered with global SD WAN leaders to empower enterprises with a modern WAN capable of extracting the highest value from cloud and digital investments. Combined with Epsilon's MEF-certified global fabric, our managed SD WAN solution intelligently monitors, manages and optimises network performance, resulting in greater application performance, security and reliability.

### Today's Enterprise Network Challenges

Unpredictable Response Times



Application Classification



Support for Multi-cloud Strategy



High Operational Costs



Poor Network Visibility



Unsecure and Unreliable Network

## Key Benefits



### Increased Agility

Software centricity allows for quick adaptations to changes, such as adding access or connecting new sites within minutes



### Simplified Management

Easily updatable plug-and-play configurations facilitate flexible deployment



### Better Control

A centrally located orchestrator enables automation, near real-time analytics, and reporting



### Increased Performance

Optional WAN optimisation increases application performance and availability on any type of transport



### Enhanced Security

Improved WAN security is achieved through zone-based firewall, network segmentation, and integration with leading cloud security providers

“Epsilon SD WAN enables enterprises to drive maximum value from their cloud and digital transformation investments”.

### Peter Agnew

Product Manager,  
SD WAN and Security

## Benefits for Enterprises



### Reduced Cost

By combining Epsilon's robust fabric with other access options such as Internet and 4G/5G, businesses can achieve a cost-effective network solution while maintaining high-performance applications



### Increased Performance

Efficient utilisation of IT resources and greater responsiveness to business policy changes result in increased performance and agility



### Improved Business Productivity

A reliable and secure network infrastructure supports business growth, enhances customer satisfaction, and aids profitability



### Time-to-Market

Rapid network deployment supports customer business expansion and accelerates the ROI on network and cloud investments



### Minimised Risk

Consistent delivery of network and security policies minimises risks and ensures a secure and stable network environment

## SD WAN for Cloud-first Enterprises

Epsilon's SD WAN solutions are designed for today's cloud-first enterprise and comprise three main components: Orchestrator, Epsilon Global Network, and SD WAN CPE. Epsilon consults with customers to understand their network's business needs and proposes an SD WAN solution that meet those needs.

The Orchestrators have a user-friendly interface that provides unprecedented visibility into both data centres and cloud-hosted applications. They enable secure zero-touch provisioning of SD WAN appliances in the branch and allow IT to centrally configure business intent policies to automatically secure and control WAN traffic.

Epsilon Global Fabric is a global network with 300 PoPs that offers carrier-grade Ethernet service and dedicated cloud connections to world-leading cloud service providers.

SD WAN physical and virtual appliances serve to build an advanced SD WAN fabric, replacing conventional routers and firewall at the branch. They unify SD WAN, routing, firewall, segmentation, application visibility and control, and WAN optimisation in a single centrally managed platform.

WAN optimisation can be included on the physical and virtual appliances, and Epsilon Global Fabric delivers application acceleration and data reduction. Data-intensive applications are accelerated with lower latency and less repetitive transmission of duplicate data.

## Features

- **Zero Touch Provisioning** – A plug-and-play deployment model to be deployed at a branch office within minutes
- **Central Management** – An orchestrator in control of both network and application policies
- **Application Visibility** – Statistics on app throughput usage, latency, and jitter across all networks, devices, and users
- **Performance-based Routing** – First packet path selection for better performance
- **WAN Optimisation** – Latency mitigation and data reduction
- **Application Support** – Supports up to 10,000 applications, websites and continuously updating
- **Seamless Cloud Security Integration** – Integrates with leading cloud security and Zero Trust Network Access (ZTNA) providers to offer single-screen management and reporting
- **Epsilon Global Network** – Epsilon provides both the core network underlay and access network through global partners under a single service contract

## Key Differences

### Quality Of Experience

Enhanced capabilities that improve link quality



### Dynamic Path Selection

Quick failover and packet-based load balancing



### Integrated Firewall

Additional security with a built-in Layer 7 Firewall



### Epsilon's Core Network As

Underlay Service level assurance with up to 99.95% availability

## Why Choose Us?

### **Unparalleled Global Reach**

Our extended and resilient network of 300 Points of Presence ensures that you get reliable connectivity even in far-reaching places

### **Lage Ecosystem of Partners**

Connect to world-leading Cloud, SaaS, and Internet Exchange providers via a single interface or NNI with our large ecosystem of trusted partners

### **Extensive Suite of Services**

As one of the few global providers offering beyond data and cloud, to voice, satellite, and colocation, we can meet all your global interconnectivity needs at scale

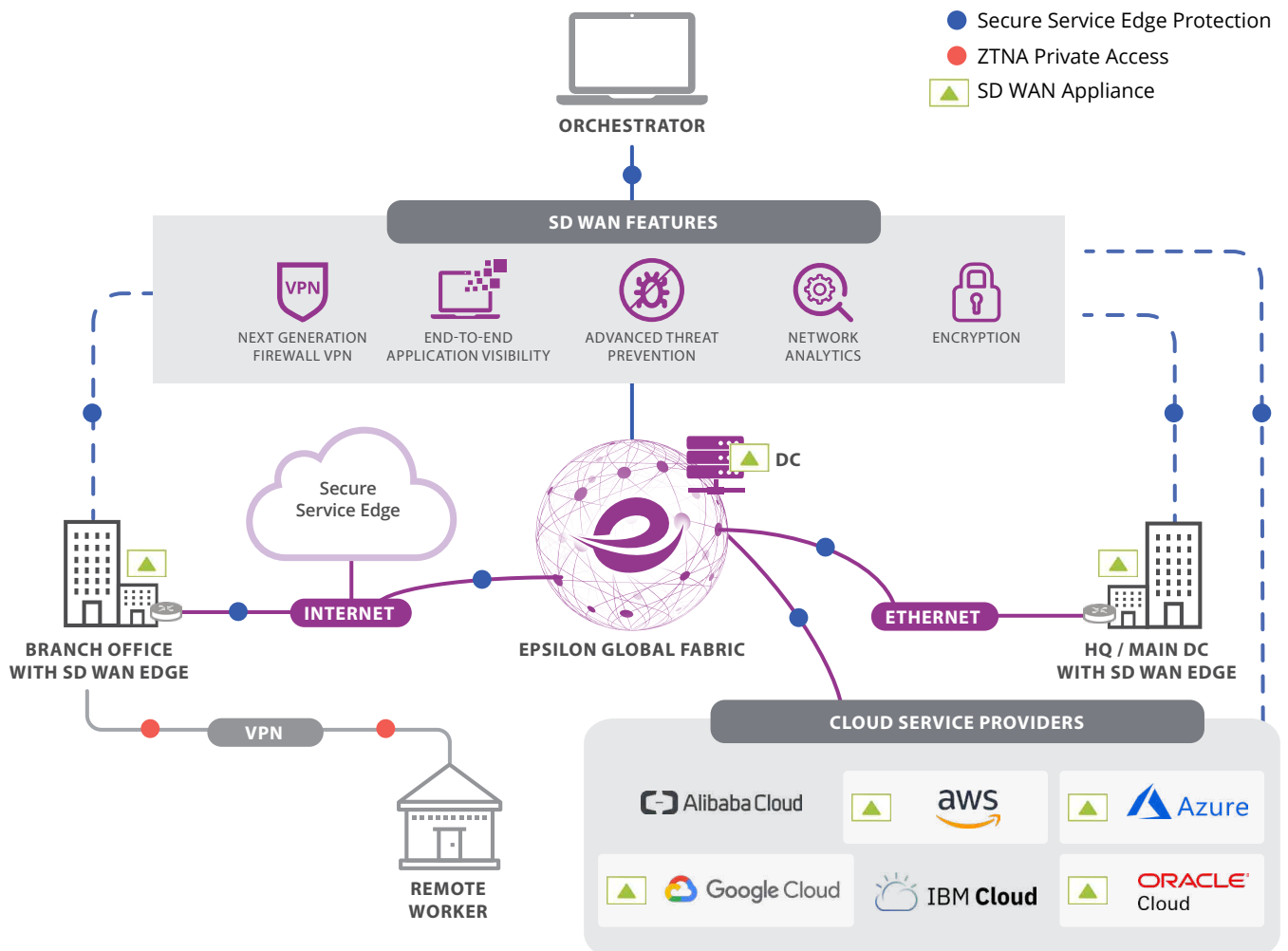
### **Award-winning Software-defined Network**

Automate your international connectivity and extend your global reach with on-demand provisioning powered by real-time analytics and orchestration

### **Customer Service Excellence**

Our team of global experts provide 24/7 technical and operational support to ensure quality service that you can rely on

## Architecting a Secure Enterprise-class SD WAN



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