

Graphiant for Service Providers – Graphiant NaaS for Business Services Growth

SOLUTION BRIEF

In today's fast-paced digital economy, businesses require agile, scalable, and secure networking solutions to thrive.

Graphiant's Network as a Service (NaaS), combined with a telecommunications network, offers a compelling solution for organizations looking to modernize their infrastructure. This partnership delivers a powerful mix of flexibility, cost-efficiency, security, and global reach, enabling businesses to remain competitive in an increasingly connected world.

Challenges in the Service Provider Space

1. High Cost

- a. Telco costs for delivering premium internet services perpetually rise.

2. Supply and Demand

- a. Tier 1 carriers continue to expand their fiber and wireless access networks, driving up supply and putting further pressure on internet access pricing.

3. Scalability

- a. Reducing costs associated with data-heavy applications and global connectivity.
- o Scaling quickly to meet the demand for cloud and AI connectivity.

Graphiant's Service Provider Solutions

1. Enhanced Security

- a. Zero Trust Security Model: Continuously authenticates and verifies users, devices, and applications to protect business data.
- b. End-to-End Encryption: Patented Data Assurance capabilities meet the security and compliance needs of demanding enterprise and government customers.
- c. Micro-Segmentation: Prevents unauthorized access and isolates traffic between production teams, vendors, and cloud services.

2. Optimized High-Performance Connectivity

- a. Dynamic Bandwidth Allocation: Provides high-speed connectivity for data-heavy workflows, ensuring smooth content transfer and rendering.
- b. Low-Latency Networking: Supports live broadcasts, real-time collaboration, and seamless content delivery across global platforms.
- c. Edge Computing Integration: Enhances processing for applications like real-time editing, AR/VR rendering, and localized content delivery.

3. Agile and Scalable Networking

- a. Flexible Connectivity: Our cloud-based User Portal provides complete visibility and control tools for customer self-care, co-managed, and fully-managed delivery options.
- b. Utility Offerings: Multi-cloud, Edge, Backbone as a Service, and B2B network services are delivered by the same global backbone, uCPE, and User Portal.
- c. Centralized Management: Simplifies network operations with a single-pane-of-glass dashboard, reducing operational overhead.

Use Case:

Expansion of Global Footprint

Challenge

A global telecommunications company operating in 16+ countries needed a cost-effective and secure way to extend their networks globally without compromising performance. The existing MPLS-based solution was expensive, slow to scale, and difficult to manage.

Solution

The company adopted Graphiant's Network as a Service to replace its legacy MPLS connections and to modernize their MPLS service by allowing Graphiant to transform MPLS Networks into an AI-Ready "SD-MPLS" Platforms.

Results

- **Reduced Costs:** The company saw a reduction in networking costs, thanks to the consumption-based pricing and elimination of MPLS circuits.
- **Reliability:** Graphiant's Core implements Site Reliability Engineering concepts consistent with advanced hyper-scaler networks to enable AI-driven self-healing behaviors in the event of actual or projected service degradation.
- **Enhanced Security:** Each location's network was segmented and secured, ensuring that any potential breach would be contained without impacting other locations or systems

Why Graphiant for Service Providers?

Graphiant empowers Service Providers with a future-ready networking platform designed to support:

- High-performance connectivity for demanding content production and delivery workflows.
- Secure and compliant operations to protect valuable data while in motion.
- Global scalability and agility to adapt to the industry's fast-paced and ever-changing demands.

Conclusion

In a competitive and fast-paced industry, Graphiant equips Service Providers with the tools to thrive and expand their global footprint. Graphiant NaaS is a carrier-grade Software Defined Network that addresses the untenable complexity of conventional SD-WAN tunnel mesh solutions, while delivering the performance SLAs of legacy MPLS services. As a cloud-delivered multi-tenant solution, Graphiant scales to meet the needs from SMB to Global Enterprise markets. Superior simplicity and Data Assurance features uniquely align with requirements from SLED to the most demanding Federal/DoD customers.

For more information or to schedule a demonstration, visit <https://graphiant.com/schedule-a-demo>.

[Graphiant Demo](#)