Graphiant is the Cloud connectivity solution

IT must manage a complex new world, where companies now connect a sprawling landscape of clouds, partner sites, customer sites, and non-user devices.

As a result, the way business provisions, scales and manages connectivity must change as well. To keep pace with modern "as-a-service" operations, connectivity must be robust and agile. The rest of the tech stack (compute, databases, applications and services) have adapted a robust, agile as-a-service model, but connectivity has not. Providing network connectivity to and within the cloud is still a manual, costly and complex effort using traditional routing and tunneling.

Business needs connectivity that spins up and down as needs change and that brings the same "as-a-service" advantages as cloud resources. This "as-a- service" network must provide enterprise-grade performance and reliability, backed by meaningful SLAs. Yet, in keeping with today's as-a-service models, the network must also provide Internet-class flexibility and agility, clear visibility and policy driven central control to meet the challenge of a changing world.

When designing an enterprises' cloud connectivity strategy, IT needs to address these key aspects:

- **Cloud on-ramp:** How does traffic enter the cloud network?

- **Hybrid cloud connectivity:** How does traffic flow between different cloud networks?

- **B2B cloud connectivity:** How do enterprises create connectivity with their partners' cloud networks?

Achieving Cloud Connectivity with Existing Solutions:

Today, there are no robust, secure, and agile solutions for multi-cloud, B2B, and IoT cloud networking. The solutions that exist today are complex and costly and do not scale:

- **MPLS.** Enterprises can choose to implement direct MPLS connections to the cloud network via a private interface. While MPLS is robust, it is costly, and lacks agility and flexibility.

- **SD-WAN.** The promise of SD-WAN is agility. But SD-WAN requires building a tunnel to every node and creates a scaling issue for a large enterprise that is operationally intensive and cost prohibitive.

- **SDCI.** Existing SDCI offerings are based on SD-WAN or a combination of a Layer 2 circuit, compute ports, and SD-WAN licenses. Typically, the customer pays for and manages all these components separately, which becomes operationally challenging and cost-prohibitive for a large enterprise.

- Cloud service providers offer **private interconnects**, such as AWS Direct Connect or Azure Express Route. These solutions are expensive to operate and require additional routing to glue together, which is ultimately inflexible and difficult to operationalize.

In the end, enterprises must choose between the expense and inflexibility of MPLS, the tunnel issues of SD-WAN, or the reliability and security issues of the internet. This is a false choice. What enterprises need is a completely new, affordable solution that is robust, agile, scalable, and easily managed to support hybrid and B2B cloud networking—securely and dynamically.

That is precisely what Graphiant offers: A robust, flexible, secure, and efficient network-as-a-service.

Graphiant Cloud Connectivity Solution:

The Graphiant network edge service significantly simplifies cloud on-ramp and hybrid cloud connectivity. The Graphiant edge from any customer site simply integrates with the Graphiant service in any cloud. The Graphiant service provides simple connectivity and integration into any native cloud router, be it AWS Transit Gateway, AWS Cloud WAN, Azure Route Server, etc. Graphiant provides the ease and quality of experience for enterprise cloud applications and users.

For multi-cloud deployments, Graphiant offers a single Graphiant core network that spans multiple clouds with the following:

- Graphiant service attachment to each region of the cloud network

- Policy that defines the flow of application traffic across the Graphiant, cloud and customer edge networks
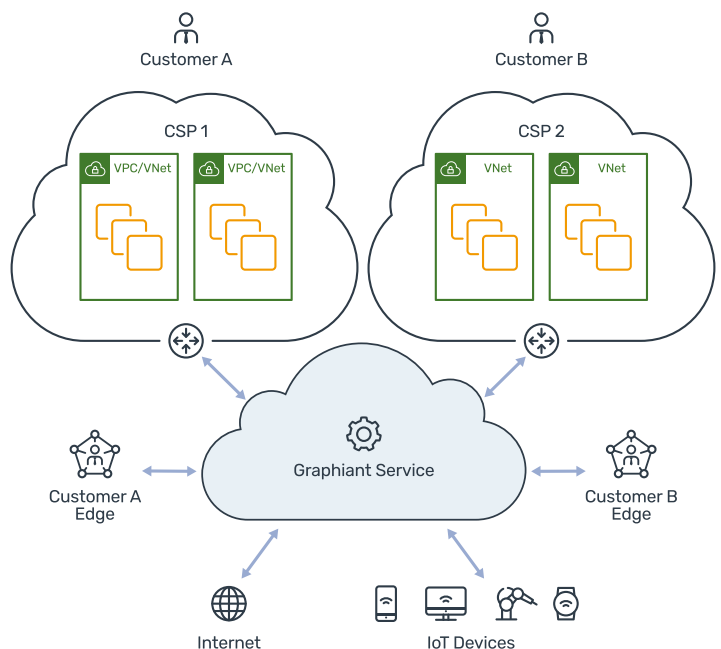
Graphiant's Advantage:

Graphiant is a global network edge service that delivers enterprise quality connectivity experiences. The service allows secure and optimized connectivity to hybrid and partner cloud environments. Graphiant is delivered through edges, available in physical and virtual form factors, deployable in any cloud— private and public.

With Graphiant, branches and other resources easily connect to the Graphiant Core. Graphiant then securely links to the cloud network's private interface, different clouds, other enterprises, or anything else on the Graphiant network.

All devices, offices, cloud and IaaS services use the same unified, simple, and dynamic connectivity without the need for tunnels. The result is a network that is simple to provision, manage, and scale with predictable performance, better security and simple agility.

Graphiant offers some significant benefits:

- **Time-to-market.** Public Internet class agility allows enterprises to deploy and scale cloud connectivity at the speed of business. This allows modern service economy enterprises to quickly serve new customers and introduce new services and applications.

- **Risk reduction.** Graphiant removes the need to decrypt traffic anywhere within the Graphiant network, reducing the threat surface, ensuring data sovereignty, maximizing privacy and simplifying compliance. The enterprise controls the encryption, and no outside entity will decrypt that traffic.

- **Security.** Implementing security measures when connecting dissimilar environments must be effortless and policy-driven. Graphiant combines essential security services, such as application recognition, stateful traffic filtering, address translation, and more, using simple policy language that is embedded in the workflow. This advanced security model provides secure connectivity for all entities, from users and applications to offices or IOT.

- **QoS and SLA.** Graphiant's private NaaS network delivers MPLS-class QoS and end-to-end SLAs.

- **Cost.** Provides MPLS-class performance, availability and security at a much lower price point.

Graphiant provides the most scalable and affordable way to connect enterprise networks to the cloud.

Learn more at graphiant.com

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Next-Gen Networking that is Agile, Performant and Secure