Cloud Routing

Scalable, private, and secure Layer 3 connectivity to and between Clouds

Virtual Routing for Cloud Deployment

Epsilon's Cloud Routing offers any-to-any connectivity to and between single and multiple clouds, data centres and business branches over Epsilon's secure private network. It provides a robust, privately routed network without the need to deploy and manage separate routing policies across your cloud environment and wide area network (WAN).

With Epsilon's Cloud Routing, you can establish a private cloud connection up to the Cloud "L3 Gateway", and provide your own L3 routing and service stitching to your VPC/VNET instance.

Epsilon's Cloud Routing is the ideal networking option if you run production workloads on different clouds and require an L3 routed connectivity service from service providers to manage your cloud-to-cloud and cloud-to-on-premises requirements.

It offers simplicity and robust security, allowing you to interconnect your business environment for data and information transport and access, all while benefiting from a secure private network.

Features

- **Secure Layer 3 Connectivity**
  Achieve cloud connectivity up to the L3 gateway in the cloud via Epsilon's private network, completely bypassing the public internet. Enhance application performance with Quality of Service capabilities

- **Diverse Cloud Options**
  Gain access to and between major cloud service providers with over 120 cloud on-ramp locations for seamless connectivity and flexibility

Epsilon's Key Differences

An End-to-end Cloud Journey
We seamlessly connect your cloud environments and physical locations, supporting all your cloud connectivity and networking needs. We also ensure that you are equipped with Ethernet services and last mile connectivity for a comprehensive solution.

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Cloud-ready Network Architecture
Our network experts will design a solution for your cloud requirements. With direct and private connectivity service, we help you connect hybrid IT environments, office locations, and business applications, ensuring maximum performance and security.

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Fully Managed, No Hardware
With Cloud Routing, a fully managed solution deployed on our Layer 3 private network, there is no need to manage or maintain any physical infrastructure on your premises or data centre

- **Fully Managed Connectivity**
  Enjoy the benefits of fully managed L3 connectivity, offering highly scalable bandwidth and global coverage, and eliminate the need to manage your own physical infrastructure

- **Seamless Cloud Service Management**
  Effortlessly run extensive production workloads on different cloud platforms while proactively monitoring and managing your cloud-to-cloud and cloud-to-on-premise requirements

Benefits

Simplify Your Cloud Infrastructure
Eliminate the associated headaches of cloud connectivity with our L3 private network and on-demand Infiny platform to seamlessly scale and manage your cloud connectivity

Grow Your Multi-cloud Strategy
Optimise your cloud investments with robust any-to-any connectivity that delivers lower latency and improved performance for your critical multi-cloud workloads

Enhanced Security and Performance
Overcome the vulnerabilities and performance issues typically associated with connecting to Software-as-a-Service (SaaS) and cloud computing services over the public Internet and underlying physical networks, to fully harness the benefits of cloud adoption

Reduce Bandwidth Costs
Effectively lower your network costs in and out of the clouds. Enjoy reduced data transfer rates by directly transferring data to and from the clouds over your Cloud Routing connection, and save from paying the standard internet data transfer rate charged by your internet service provider
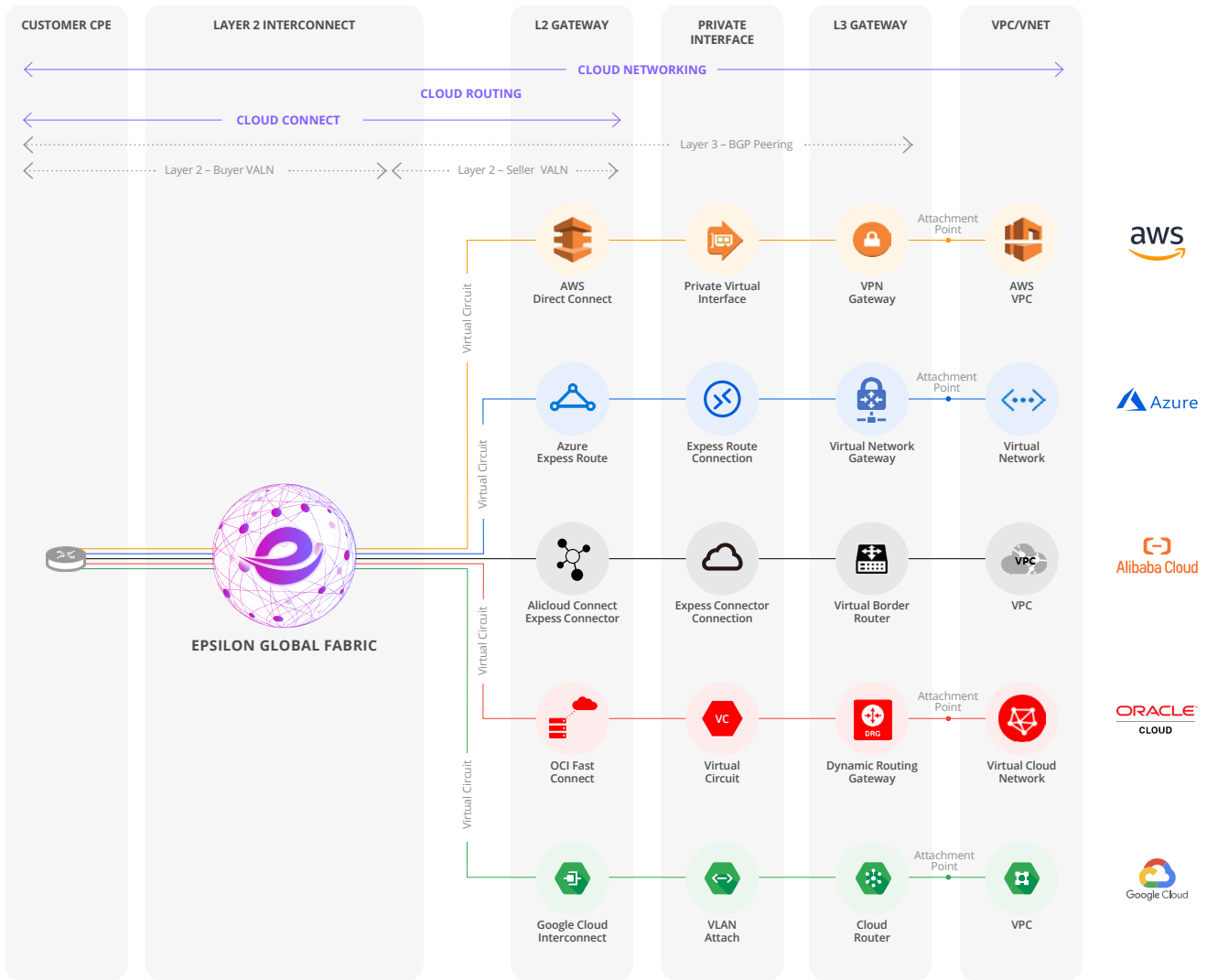
Cloud Connectivity that Supports Your Hybrid Environment

Our cloud connectivity offering provides a comprehensive solution for fast and secure access to the cloud platform of your choice. We empower you with the capability to deploy direct, dedicated connections to a range of cloud service providers via our global private network. Expand your hybrid cloud strategy with our fully managed Layer 3 connectivity solution and accelerate your cloud transformation with an enterprise-class orchestrator to efficiently manage your cloud environments.

"The trend towards hybrid IT is rapidly growing as data applications are distributed across the cloud, data centres and enterprise locations. Cloud Routing ensures that enterprises can fully maximise their cloud investments with robust and secure any-to-any connections, regardless of their network environment".

Peter Agnew
Global Product Manager
Epsilon

EPSILON GLOBAL FABRIC

CUSTOMER CPE	LAYER 2 INTERCONNECT	L2 GATEWAY	PRIVATE INTERFACE	L3 GATEWAY	VPC/VNET

CLOUD NETWORKING

CLOUD ROUTING

CLOUD CONNECT

Layer 3 – BGP Peering

Layer 2 – Buyer VALN

Layer 2 – Seller VALN

Virtual Circuit

AWS Direct Connect — **Private Virtual Interface** — **VPN Gateway** — Attachment Point — **AWS VPC** — aws

Azure Expess Route — **Expess Route Connection** — **Virtual Network Gateway** — Attachment Point — **Virtual Network** — Azure

Alicloud Connect Expess Connector — **Expess Connector Connection** — **Virtual Border Router** — **VPC** — Alibaba Cloud

OCI Fast Connect — **Virtual Circuit** — **Dynamic Routing Gateway** — Attachment Point — **Virtual Cloud Network** — ORACLE CLOUD

Google Cloud Interconnect — **VLAN Attach** — **Cloud Router** — Attachment Point — **VPC** — Google Cloud

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