SOLUTION BRIEF

CloudMesh

Low latency cloud-based full mesh
Automated multi-cloud connectivity
Powered by Equinix

EQUINIX

Paris to Prague. Or London to Sydney. The future of your business depends on enabling highly distributed remote offices with smarter, more reliable connectivity for any application on any cloud. The reality is that different clouds are suited for different aspects of your business, which means you need to build an enterprise cloud strategy that focuses on integration.

As an IT leader, how do you maintain security and guarantee that applications work perfectly in a complex multi-cloud environment without losing control of costs? Simple: increase security and simplify how workloads move to the cloud with an advanced, cloud-based networking and security solution. Ipanema SD-WAN CloudMesh does that.

Transformation designed specifically for the cloud with cloud-based full mesh

Ipanema SD-WAN CloudMesh is designed to simplify and optimize the challenges of cloud migration. Directly integrated with Equinix Cloud Exchange Fabric™ (ECX Fabric™), the platform combines cloud-based orchestration technology with low-latency full mesh to support geographically distributed environments. That gives you the simplest path to connect different workloads across multi-clouds, SaaS, owned DCs, hosted, IaaS UC – in short, every combination that your modern businesses require to enable the extended edge.

LOW LATENCY CLOUD-BASED FULL MESH OFFERS:

- Full-mesh topology for site-DC-IaaS traffic, supporting geographically distributed environments
- Low-latency multi-cloud connectivity on-ramp for AWS, Microsoft Azure and Google Cloud
- Cloud-level integration with Equinix low-latency ECX Fabric backbone network
- Automated provisioning of CloudMesh tunnel overlay topology through Ipanema SD-WAN Orchestrator
- Integrated best-in-class Ipanema application intelligence to guarantee QoE for critical workloads
- Dynamic CloudMesh PoP selection for high availability
- Multi-cloud foundation for IaaS and SaaS connectivity

Choosing a model that maximizes security, cost-control and app perfromance

The real test of a multi-cloud strategy is how well it can maximize security, cost-control and application performance. And those factors all depend on how your users ultimately connect to your cloud-based applications.

Cloud providers solve the problem of making your applications and sensitive data 'available' globally. But you need a cloud-first model for delivering connectivity to remote users and edge sites.

The right cloud-first approach for multi-cloud on-ramp is delivery through a low-latency global spanning backbone network. That's what you get from Ipanema SD-WAN CloudMesh.

Work smarter with a low-latency global spanning backbone network

The role of an SD-WAN-driven low latency backbone is to automatically select the closest point of presence (PoP) – which determines the lowest latency – towards which the SD-WAN network can establish its overlay. The major benefit of leveraging a low-latency backbone for multi-cloud on-ramp is the capability to use dedicated carrier-grade access between the backbone and public cloud provider (e.g. MSFT ExpressRoute).

Moving workoads to the clouds

92% of enterprises have a multi-cloud strategy	**55%** of enterprise workloads are expected to be in the cloud by 2022	**61%** of organizations plan to optimize cloud costs in 2021	The **#1** challenge in cloud migration is understanding application dependencies

Safely ditch expensive dedicated circuits

Leveraging a low-latency backbone represents a near seamless evolution for enterprises that are used to the dedicated nature of MPLS because it offers a straightforward transition in terms of internal IT security policy. The main difference between MPLS and a low latency backbone lies in the access method, which with MPLS requires an expensive dedicated circuit and with the latter relies on the Internet in the first mile, as in everything between the customer and the service provider's service edge.

KEY BENEFITS

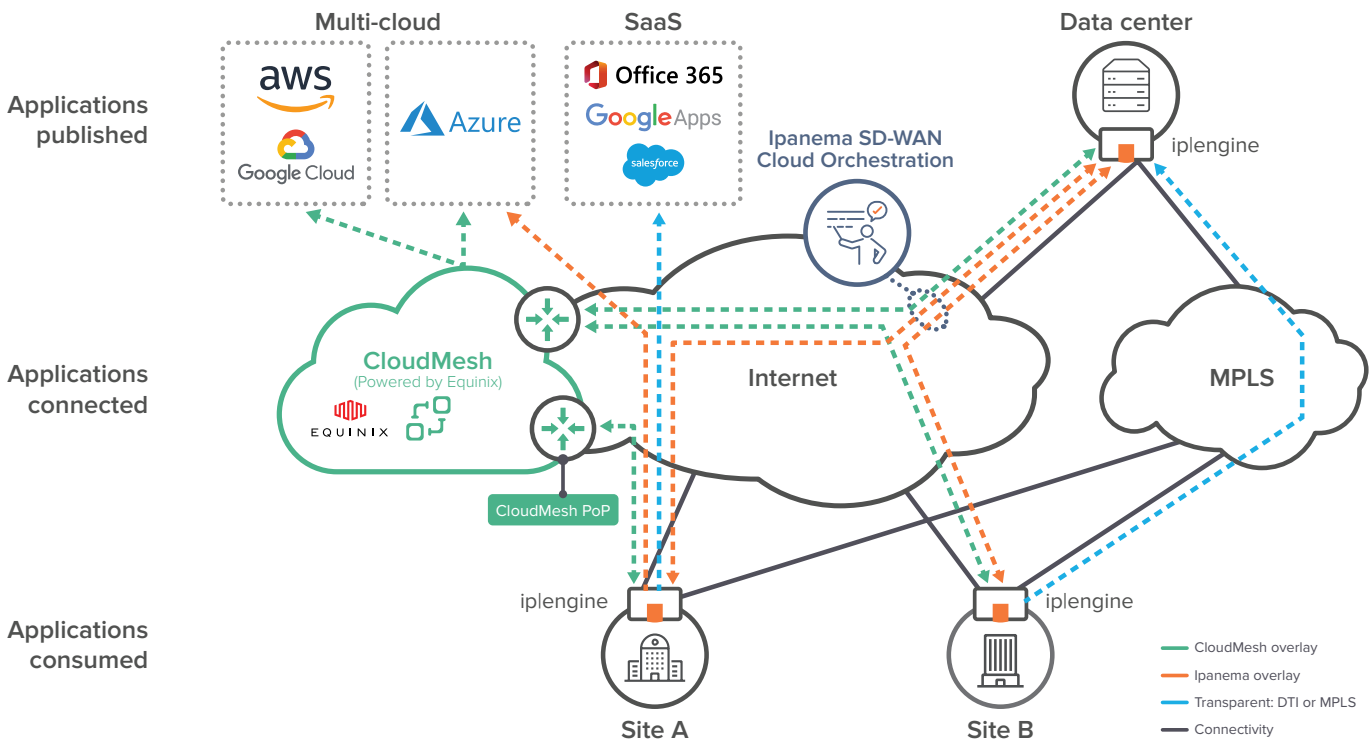
- Frictionless enterprise WAN evolution
- Cloud-native SD-WAN
- Unrivalled application performance monitoring and guarantee
- Full range of WAN edge SD-WAN functionality
- Cloud-based advanced security
- Low latency cloud-based full-mesh and multi-cloud on-ramp
- Cloud-first delivery, enhanced agility and TTM
- Pay-as-you-go licensing

Build a cloud-delivered, cloud-first network

With CloudMesh, you get the full benefits of a truly cloud-native SD-WAN solution. Advanced cloud-security is built in and always up to date. Flexible licensing gives you greater control over costs because you only pay for what you use – fully in line with your other 'as a service' solutions. And integrated application intelligence guarantees an excellent user experience for critical workloads.

Discover and reach any site through a single portal with Equinix Cloud Exchange Fabric

Equinix Cloud Exchange Fabric™ (ECX Fabric™) directly, securely and dynamically connects distributed infrastructure and digital ecosystems on through a global, software-defined interconnection. With 45+ global locations, ECX Fabric is designed for scalability, agility and connectivity over a self-service portal or API. Through a single portal, discover and reach anyone on demand, within a metro area or globally, to automate multi-cloud connectivity.



Visualising a multi-cloud set-up based on Ipanema SD-WAN CloudMesh

About Equinix

Equinix (Nasdaq: EQIX) is the world's digital infrastructure company, enabling digital leaders to harness a trusted platform to bring together and interconnect the foundational infrastructure that powers their success. Equinix enables today's businesses to access all the right places, partners and possibilities they need to accelerate advantage. With Equinix, they can scale with agility, speed the launch of digital services, deliver world-class experiences and multiply their value.

About Infovista

Infovista, the global leader in network lifecycle automation, powers complex intelligent networks to ensure they deliver brilliant user experience, maximizing productivity and efficiency, securely. At the core of the company's approach are automation and analytics, enabling Infovista software solutions to span the entire network lifecycle. From managing service legacy networks to optimizing 5G deployments, from providing applications visibility to securing and controlling the extended edge, Infovista helps Communications Service Providers and Enterprises to fully unlock their digital business potential. More than 1,700 customers, including 350 Mobile Network Operators, around the world rely on Infovista.