

Automating Private Ethernet Paths for Service Providers

Private connectivity that's programmable, visible, and ready to scale.



OVERVIEW

MaiaEdge gives service providers the automation and visibility to deliver private Ethernet paths across any network and any transport type, instantly. Whether over dedicated fiber or Direct Internet Access (DIA), into public clouds, or across partner networks, MaiaEdge makes private connectivity programmable, visible, and ready to scale.

- Automate private path provisioning over fiber and DIA
- Extend reach across partners, fabrics, and clouds
- Establish Instant NNIs across partner networks

Minutes

to activate new circuits, not weeks

60-90

days to establish an NNI, traditionally

Zero

Routing complexity required

THE CHALLENGE

Barriers to Scaling Private Connectivity

Service providers face growing pressure to deliver private connectivity faster and to more destinations than their current infrastructure supports. The barriers are largely operational, not physical:

- Manual provisioning creates long lead times, high costs, and limited scale.
- Limited network footprint makes it operationally difficult to meet all customer demands.
- Lack of cloud on-ramp capability leaves enterprise customers underserved and revenue on the table.
- Complex NNI negotiations delay time to revenue and put deals at risk.

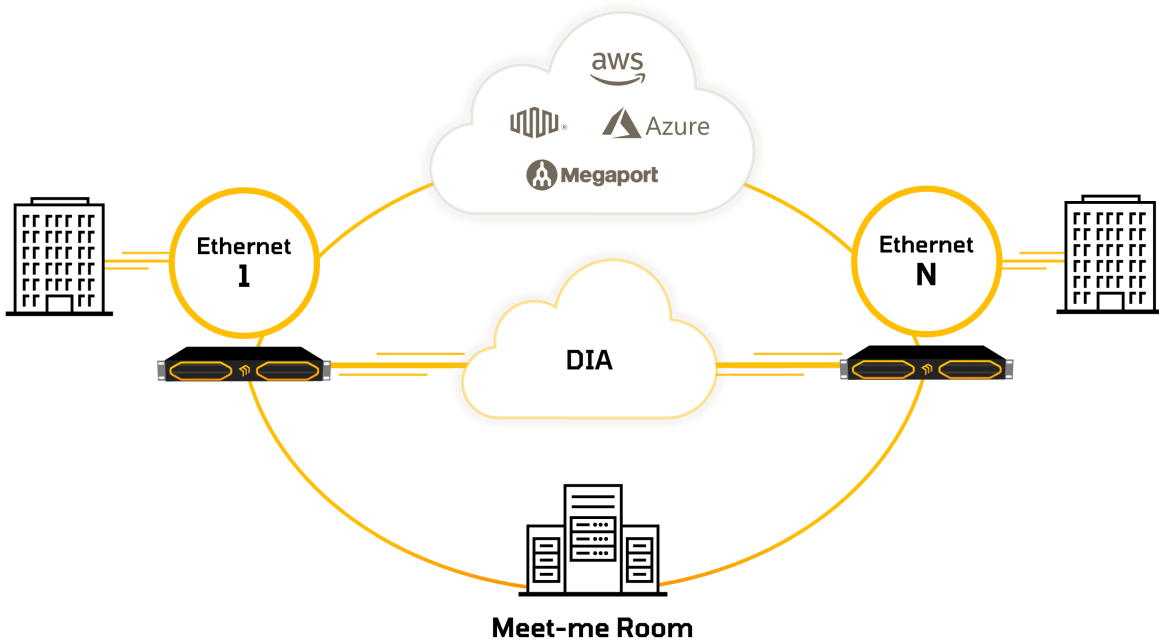
— THE SOLUTION

MaiaEdge frees service providers from operational friction. With a unified platform that replaces manual processes and legacy routing, operators can instantly activate, secure, and enforce private Ethernet paths across fiber and DIA. This automation not only accelerates service delivery, but also creates the flexibility to extend reach into clouds, fabrics, and partner networks.

The solution includes two primary components:

<p>PATH BORDER CONTROLLER</p> <p>PBC</p> <p>A dual 100G appliance deployed at the provider's edge that merges L2 switching and L3 routing for automated private path provisioning over fiber or DIA. Every path is protected with line-rate AES-256-GCM encryption.</p>	<p>PATH COMPUTATION ENGINE</p> <p>PCE</p> <p>A cloud-native orchestrator that continuously computes optimal routes based on latency, utilization, and policy metrics, and automates deterministic Ethernet path provisioning.</p>
---	---

— REFERENCE ARCHITECTURE



MaiaEdge PBCs deployed at the provider's edge. Connectivity provisioned instantly over fiber or DIA.

— USE CASES

Automate Provisioning over Fiber and DIA

With MaiaEdge, service providers can activate deterministic private Ethernet paths across fiber and DIA without routing complexity. Where fiber isn't available, operators can provision over DIA instantly and retain it as a redundant link when fiber comes online. New circuits are up in minutes instead of weeks, speeding time to revenue without adding engineering overhead.

Simplify Cloud On-Ramp

MaiaEdge enables instant cloud connectivity through native integrations with Equinix and Megaport, with end-to-end visibility from customer site to cloud. Service providers not yet offering cloud on-ramp gain a low-barrier entry into a high-margin market. Those already offering it gain simpler provisioning and better margins.

Establish Instant NNIs

Traditionally, setting up a new NNI means months of negotiations and manual coordination, and once traffic crosses network boundaries, visibility and control disappear. MaiaEdge eliminates both problems, enabling instant NNI activation while providing end-to-end visibility and SLA control across partner networks. Service providers leverage partners to expand market reach and monetize their underutilized capacity without the overhead of traditional interconnection.

— GET STARTED

Speed provisioning and expand your reach.

MaiaEdge is purpose-built for service providers ready to move beyond manual operations and static infrastructure. Activate private paths in minutes, extend your reach across any network, and monetize infrastructure you already own.

[SEE A DEMO](#)