Lumen® Multi-Cloud Gateway Reference Architectures

Simplifying multi-cloud connectivity

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Multi-Cloud Gateway

Virtual L3 routing that unifies cloud, data center, site, and existing private WAN connectivity for simplified operations and network modernization

Ideal for

Enterprises that:

- Operate in multiple clouds
- Host latency-sensitive or regulated workloads
- Want to extend an eligible Lumen IP VPN to cloud, data center, and over 10 million on-net and qualified off-net locations*
- Prefer to modernize their private WAN over time rather than rebuild every endpoint

Core Benefits

- Centralized routing and policy control with BGP and prefix filtering
- Extend existing IP VPN reach to new cloud, data center, and site connections
- Optimize traffic paths to help reduce hair pinning and network costs
- Scale bandwidth with evolving application and workload needs

Why Lumen?

- Unifies cloud, data center, site, and existing private WAN connectivity
- Builds on Lumen's private network and Connectivity Fabric foundation
- Extends enterprise reach across over 10 million on-net and qualified off-net locations*
- Enables on-demand, API-driven provisioning through Lumen Connect

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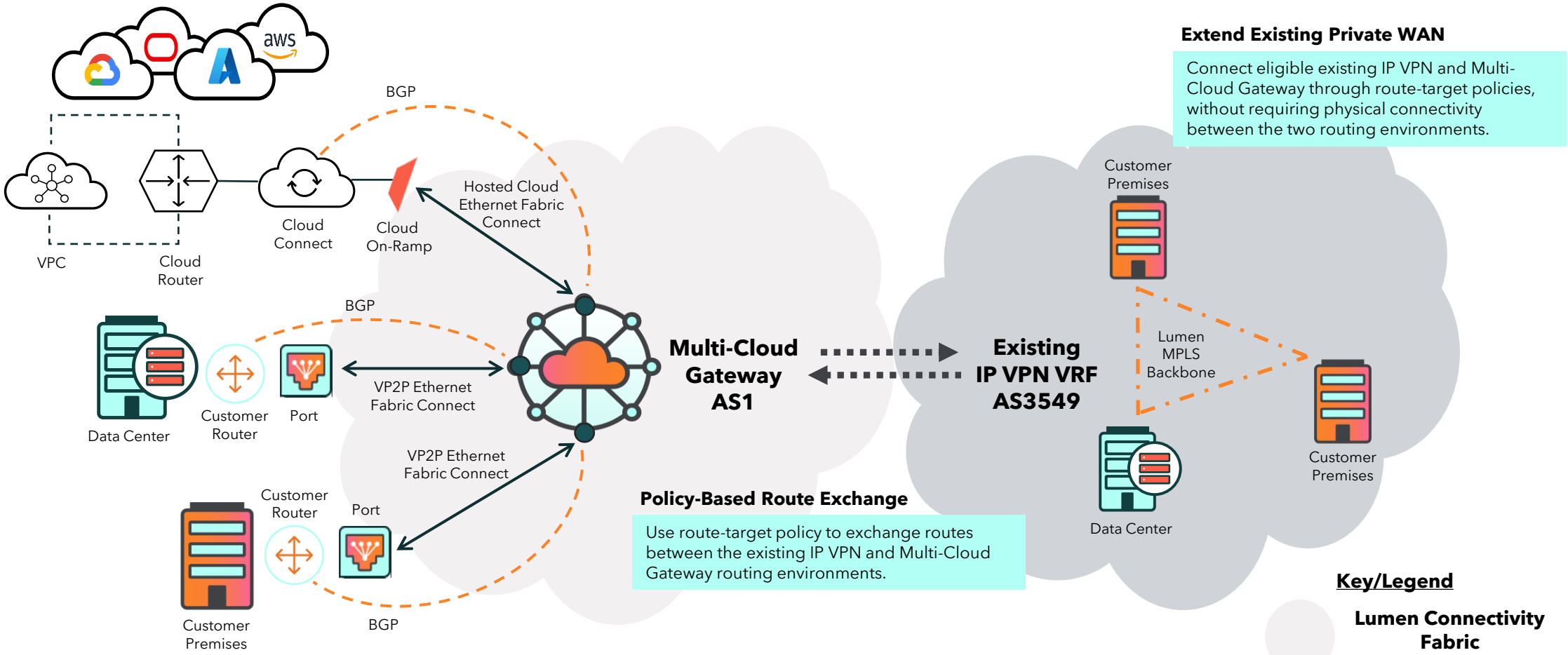
*Off-net availability is subject to location qualification. Service availability, performance, pricing, and delivery timelines may vary by location. Consult your Lumen representative for qualification details.

Multi-Cloud Gateway with Existing Lumen IP VPN Integration

Customer DIY Solution



Extend Existing Private WAN

Connect eligible existing IP VPN and Multi-Cloud Gateway through route-target policies, without requiring physical connectivity between the two routing environments.

Policy-Based Route Exchange

Use route-target policy to exchange routes between the existing IP VPN and Multi-Cloud Gateway routing environments.

Key/Legend

Lumen Connectivity Fabric

Multi-Cloud Gateway Interface

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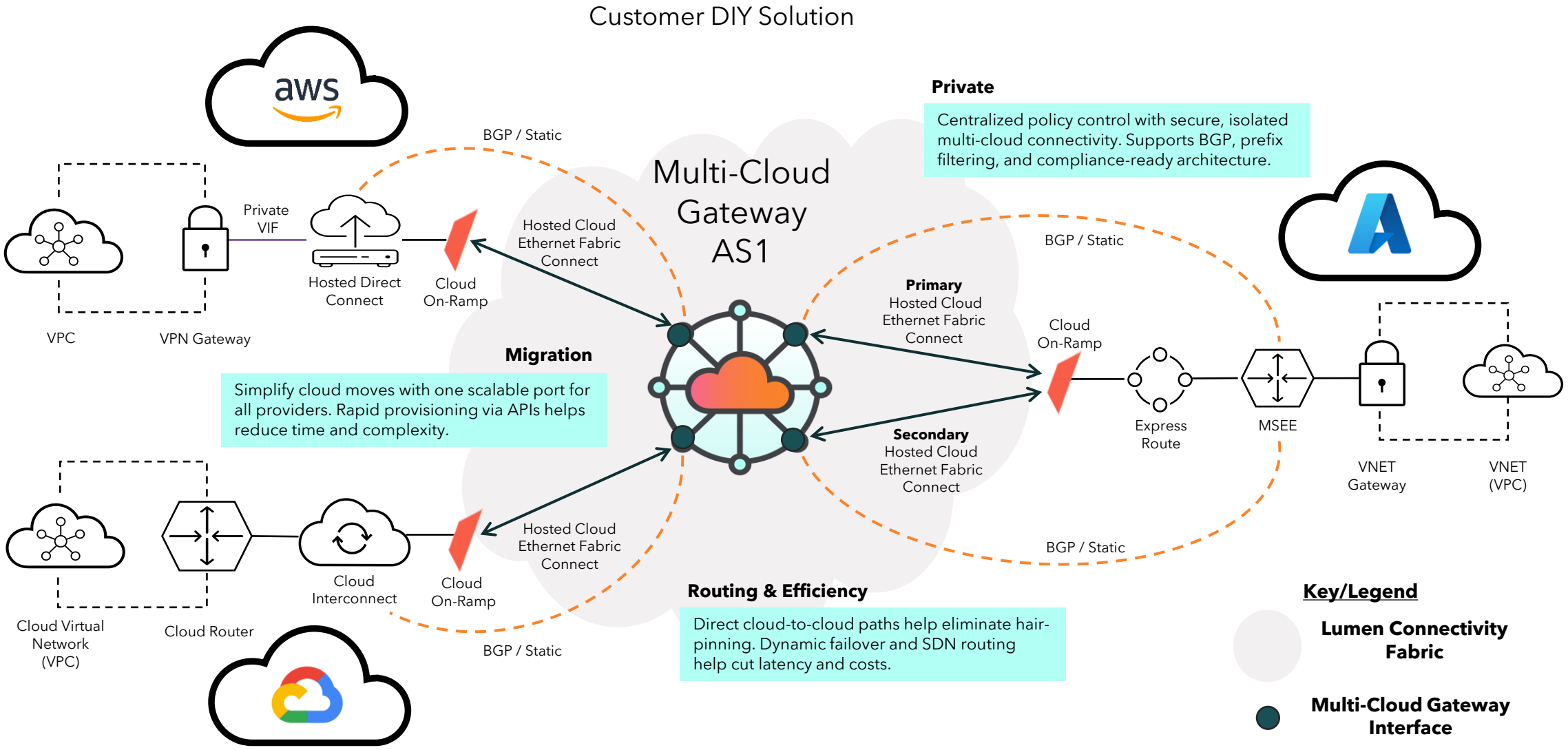
Multi-Cloud Gateway Cloud-to-Cloud



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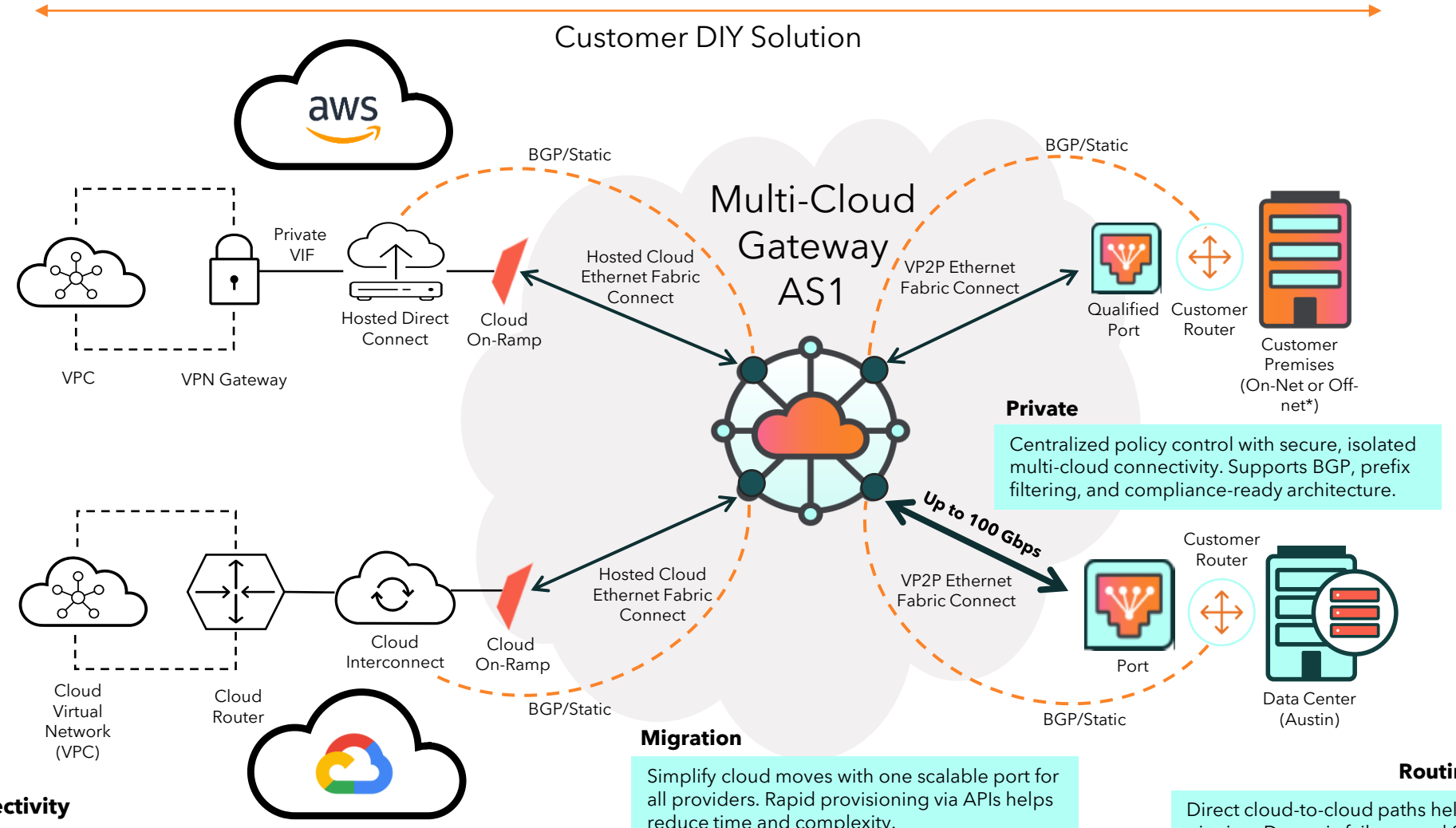
Multi-Cloud Gateway Premises/Data Center to Cloud



Key/Legend

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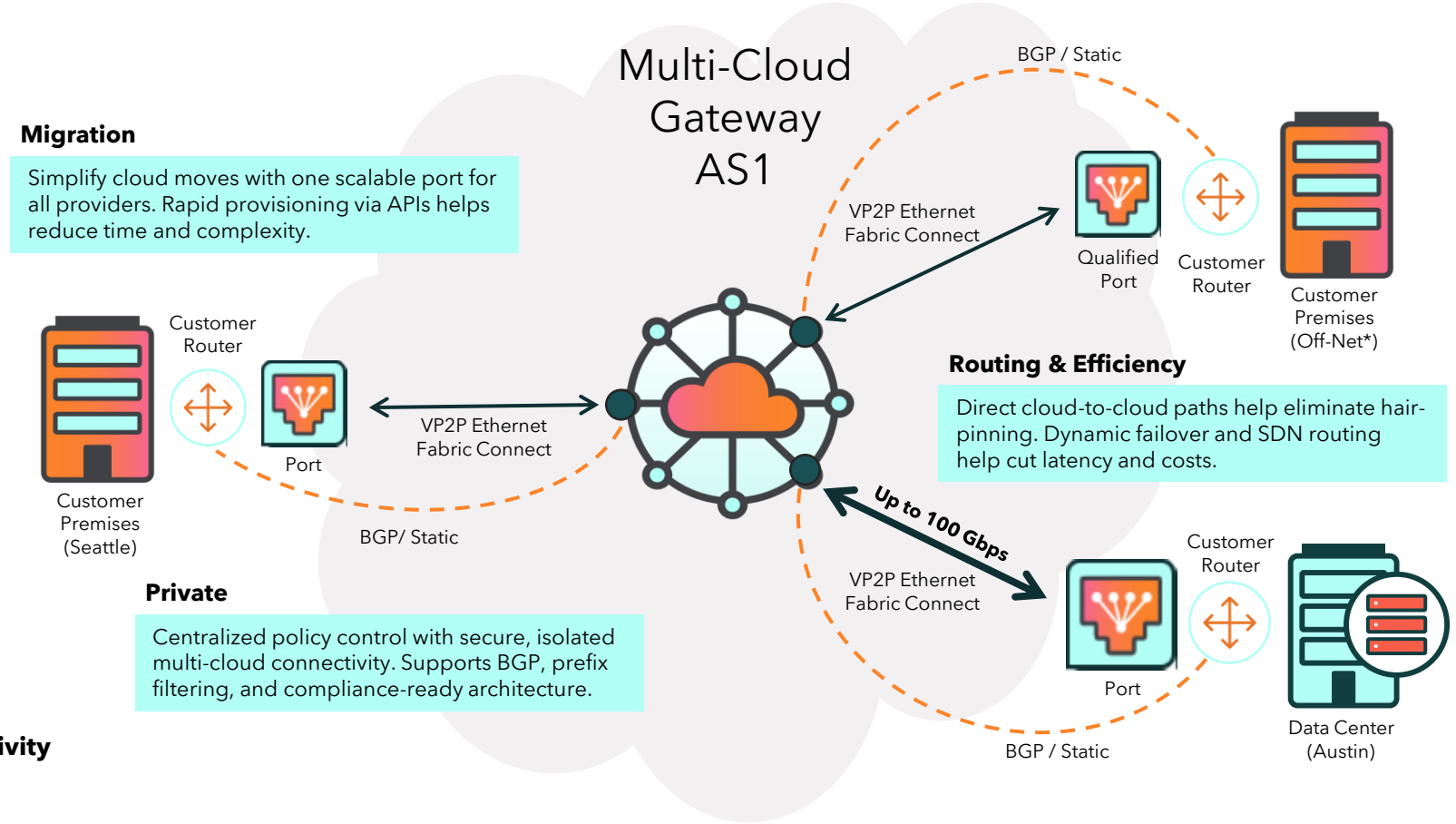
Multi-Cloud Gateway Premises to Data Center

Customer DIY Solution



Migration

Simplify cloud moves with one scalable port for all providers. Rapid provisioning via APIs helps reduce time and complexity.

Routing & Efficiency

Direct cloud-to-cloud paths help eliminate hair-pinning. Dynamic failover and SDN routing help cut latency and costs.

Private

Centralized policy control with secure, isolated multi-cloud connectivity. Supports BGP, prefix filtering, and compliance-ready architecture.

Key/Legend

Lumen Connectivity Fabric

Multi-Cloud Gateway Interface

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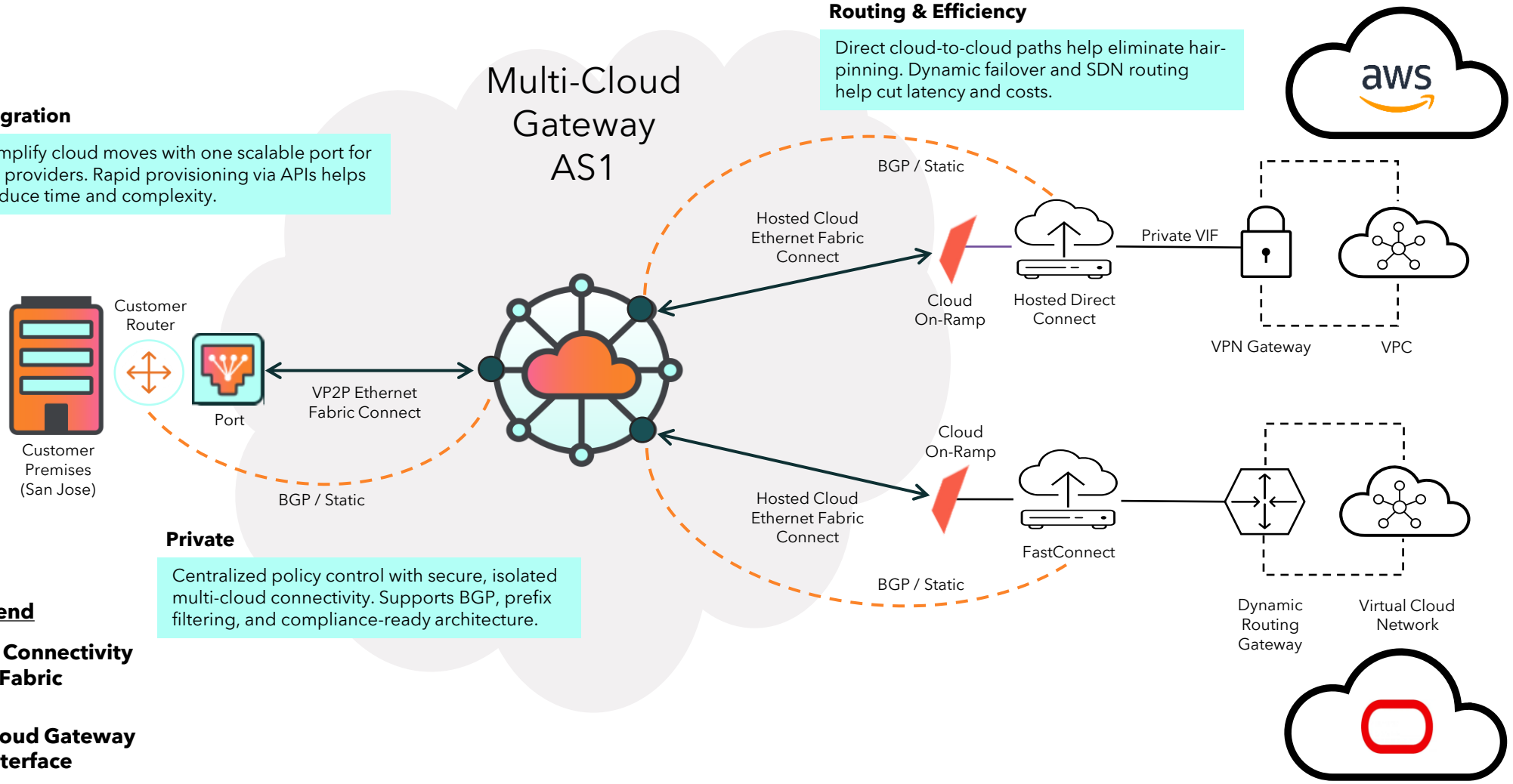

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