

AWS Interconnect - last mile

Lumen delivers the last mile for AWS Interconnect - last mile, bringing private cloud connectivity directly into enterprise sites.

Lumen is the first provider to deliver the last-mile connection for AWS Interconnect - last mile, enabling a high-speed, private, dedicated connection to the AWS network from enterprise locations. By combining deep fiber reach, scalable Ethernet services, and cloud-ready operations, Lumen delivers a seamless extension of AWS connectivity into buildings, campuses, and edge environments.

Delivered through Lumen Cloud Interconnect, this architecture allows organizations to centrally route, manage, and optimize traffic across AWS and other cloud environments using a private, deterministic network fabric. It supports consistent performance, reliable connectivity, and simplified multi cloud network design while maintaining visibility and control.

Extend AWS directly to your locations

Interconnect - last mile brings AWS Interconnect beyond the metro core and into your buildings, campuses and edge sites to align cloud connectivity with where your business operates.

Get predictable performance you can trust

With private, provider-managed fiber or ethernet connections, Interconnect- last mile delivers low-latency, consistent bandwidth, and reliable connectivity. Ideal for mission-critical workloads.

Simplify cloud network design

Interconnect - last mile reduces complexity by eliminating the need to stitch together multiple access providers. With AWS handling the interconnect and Lumen delivering the last mile, customers get streamlined, end-to-end connectivity.

Common use cases

- **AI/ML & data-intensive workloads:** Secure, low-latency last-mile connectivity enables rapid scaling of AI/ML, analytics, and high-bandwidth workloads without complex network builds.
- **Hybrid & multi cloud connectivity:** Simplifies private connectivity from offices, data centers, and remote sites to AWS, supporting hybrid and multi cloud architectures with managed resiliency and scale.
- **Disaster recovery & data replication:** Built-in multi-path redundancy and automated failover support, resilient AWS-based disaster recovery, backup, and data replication from on-prem locations.



"By combining AWS Interconnect - last mile with Lumen's global fiber network and Cloud Interconnect, we simplify the last-mile complexity that often slows cloud adoption and enable a faster, and more resilient path to AWS for customers"

– **Scott Yow, SVP Product, Lumen Technologies**

Features and Specs

Rapid simplified deployment

- Activate private connectivity in a few clicks directly from the AWS Console, eliminating manual setup and multi-vendor coordination.
- Guided configuration simplifies location, bandwidth, and region selection for faster time to service.

Resilient, enterprise-grade connectivity

- Built-in multi-path redundancy with automated failover supports continuous availability.
- SLA-backed reliability (99.99% availability up to the AWS Direct Connect port) designed for mission-critical workloads.

Elastic bandwidth & scalability

- Scale bandwidth dynamically from 1 Gbps to 100 Gbps as application demands change.
- On-demand capacity adjustments support AI/ML, analytics, and data-intensive workloads.

Managed Operations & Visibility

- Fully managed last-mile connectivity reduces operational overhead and network complexity.
- Unified monitoring provides visibility into connection health and performance without customer-managed infrastructure.

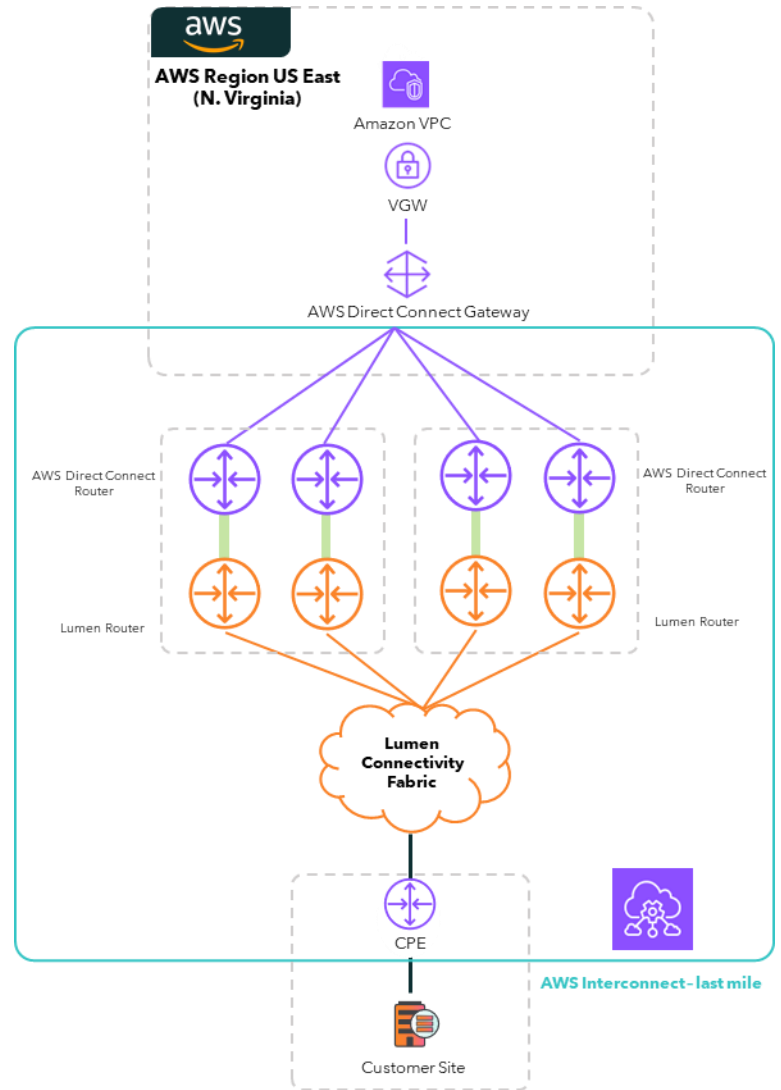


Figure 1

A simplified view of the AWS Interconnect - last mile architecture, showing how redundant AWS Direct Connect links flow through Lumen Connectivity Fabric to deliver resilient, automated last-mile connection

Why Lumen?

Lumen is the trusted first provider behind the last-mile experience for AWS Interconnect - last mile, delivering resilient, enterprise-grade connectivity from customer locations to the cloud. Backed by 340,000+ route fiber miles, 163,000+ on-net buildings, access to 2,200+ data centers, and proven SLAs, Lumen brings the scale, reliability, and operational expertise required to support mission-critical cloud connectivity



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