Google Internet Peering

Dedicated internet for Google apps on the #1 peered network[1]

Lumen operates one of the most connected and #1 peered network with 6,500+ interconnects[1]. As a Google Gold Verified Peering Partner, Lumen meets strict requirements for network presence and dual redundancy requirements for optimal resiliency. The Google-Lumen partnership provides simplified connectivity with IP traffic taking the shortest path into the Google network from the nearest edge Point of Presence (PoP). Google Internet Peering is included with Lumen® Dedicated Internet Access (DIA), Lumen® Internet On-Demand and Lumen® High Speed IP; there is no additional cost to use Google Internet Peering.

Fast & scalable internet for Google apps

Quickly turn up and scale connectivity with Lumen and reliably connect to Google services via high-speed, enterprise-grade internet for optimal performance. No need to meet peering requirements or manage technical complexities.

Reliable global access to Google services

The Google Gold Badge verifies that Lumen manages redundant connections to the Google network, redundancy within our network infrastructure, as well as 99.99% service availability SLA-backed connectivity. Google Verified Peering is available in 22 countries.

> "My organization selected Lumen IP Solutions for two reasons. The first reason was cost savings, which encapsulates both technology change as well as aggressive pricing. The second reason was that Lumen forms good customer relationships."
>
> **– Lumen customer**
>
> IDC Whitepaper: The Business Value of Lumen IP Solutions, March 2024

Common use cases

- Enabling high-performance symmetrical upload and download speeds to all publicly available Google services, including Google Workspace, Google APIs, Google Cloud APIs, Google Cloud VPN, Google Public IPs
- As an alternative to Google Direct Peering and its technical complexities
- Customers who require SLA-backed internet connectivity options

[1]The Center for Applied Internet Data Analysis (CAIDA), AS Rank, March 2024.

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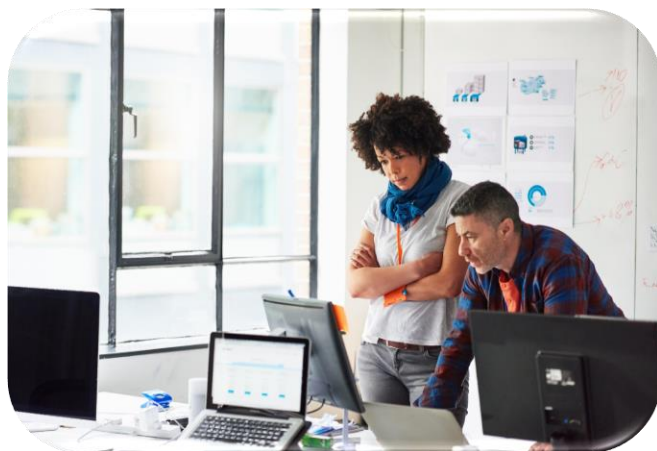# Features and Specs

Simplified connectivity
- No need to meet Google's Direct Peering requirements
- Spend less time deploying and managing the technical complexities of Direct Peering arrangement

High availability
- Dedicated private connectivity via one of the world's largest, private and dedicated fiber networks
- The Lumen Gold badge verifies metro redundant connectivity to the Google network.
- The Lumen network AS3356 is designed to serve customers located in many countries with approximately 350,000 route miles of fiber globally.

Enterprise-grade connectivity
- Connect to Google through Lumen's high-speed, enterprise-grade connectivity solutions
- Access with or without border gateway protocol (BGP) or autonomous system number (ASN)
- Ethernet and Wavelengths access from 10/100 Mbps to 1 Gbps/400 Gbps
- Lumen's Internet products have a 99.99% service availability SLA

Peering Provider
Verified Gold

Why Lumen?

Lumen connects the world. We are dedicated to furthering human progress through technology by connecting people, data, and applications - quickly, securely, and effortlessly. Everything we do at Lumen takes advantage of our network strength. From metro connectivity to long-haul data transport to our edge cloud, security, and managed service capabilities, we meet our customers' needs today and as they build for tomorrow.

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