



COMPANY OVERVIEW

Why nLayer Communications?

Setting the Standard

Our experience delivering large scale networking services uniquely positions nLayer Communications to provide unmatched value to customers through legacy-free, low-cost solutions for clients with even the largest bandwidth requirements. By utilizing the latest state-of-the-art technology and innovative, efficient techniques, nLayer Communications sets the new standard for affordable, high-quality Internet services.

Cutting Edge Infrastructure

The nLayer Global IP Network provides you with the reliability and performance needed to keep your company connected. Our OC-192/10GE based Global IP Network is built upon carrier-class routing infrastructure from Juniper Networks, the foremost provider of next-generation IP backbone products. By adopting an all-Juniper core infrastructure, nLayer is able to provide unparalleled stability, routing policy control and IP packet filtering without compromising performance.

Tradition of Technology Advancement

nLayer Communications is an industry leader in implementing innovative tools and technologies that help our customers manage their networks better.

- We were one of the first major networks to offer a 100% Native IPv6 Network – production-ready since 2003.
- We offer BGP Flowspec to customers with BGP routing protocol extension that allows customers to dynamically configure packet filters on their IP traffic.
- We offer an advanced BGP community system that provides information and tools necessary for customers to manage complex traffic flows, implement DDoS mitigation, and better optimize their network routing.

“Ready Now” Capacity

nLayer Communications proactively monitors traffic growth to ensure sufficient capacity is provisioned before it is needed, and maintains large amounts of “ready now” capacity in reserve. This gives us unmatched capabilities for handling traffic bursts and congestion during special events such as streaming media, or to ensure that ports are open and ready for customer needs at a moment’s notice.

Unrivalled Reliability

nLayer Communications acquires large amounts of backbone diversity from numerous long-haul fiber networks to ensure that your customer’s network services will never experience complete path failure or degraded performance. We are so confident in our operating reliability that we offer aggressive 100% uptime Service Level Agreements (SLAs) on IP services and strong SLAs on transit time and packet loss.

Exceptional Customer Service

At nLayer Communications, our goal is to provide superior customer service with rapid response and constant access to certified technical staff 24/7. Because we focus exclusively on high-speed wholesale IP services, our dedicated IP engineers are available without the delays commonly found with traditional carrier support.

Our flexible billing options for multi-location customers allows us to aggregate ports into a 95th percentile bill. Granting transparency into our routing procedures and policies helps you to ensure customer traffic will always be routed through the most direct and optimal path possible.

The bottom line: At nLayer Communications, we customize solutions to customer needs.

N L A Y E R[®]
C O M M U N I C A T I O N S



For more information, call 888-865-2937, email sales@nlayer.net, visit www.nlayer.net, or follow us online at the channels below.



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Who We Are

Founded in 2002, nLayer Communications was started by an experienced team of Internet professionals looking to build a superior IP network with higher capacity, better performance, and lower cost wholesale IP services than traditional legacy carriers. Today, nLayer Communications is an industry-leading provider of high-speed Internet access, data transport, and managed network services throughout North America, Europe and Asia.

Our Global IP Network

nLayer Communications owns and operates one of the largest privately held IP networks in the world (by traffic volume), with over 40 POPs in 24 markets worldwide. This highly scalable and continuously upgraded network has helped to establish nLayer Communications as a major independent carrier for leading service providers, content distributors, and access networks.

Positioning and Peering for Low Latency

By positioning our core network at key interconnection points, nLayer Communications is able to provide lower latency service and increased bandwidth scalability, while reducing traffic costs.

We exchange nearly 90% of our Internet traffic through carefully managed peering relationships with hundreds of other major carrier and service provider networks worldwide, ensuring direct and optimal routing. In fact, we maintain over 2 terabits of active edge capacity with other networks for enhanced reliability and performance.



Capacity for Performance

One of the most important aspects in designing a world-class network is preventing traffic bottlenecks that limit performance within our network, as well as between our network and other networks on the Internet. Some companies are willing to wait for capacity to run out before spending the money to upgrade their network, resulting in periods of congestion and packet loss for weeks or months at a time.

nLayer Communications proactively monitors traffic growth to ensure sufficient capacity is provisioned before it is needed, and maintains large amounts of capacity in reserve. This gives us unmatched capabilities for handling traffic bursts during special events such as streaming media.

Reliability Through Diversity

One of the core tenets of the nLayer Communications philosophy is to provide reliability through diversity. Many other networks are content to run their IP backbone traffic between major cities over a single fiber path, allowing for little redundancy and putting their network at risk.

nLayer Communications carefully selects diverse fiber paths from the best commercially available sources. This give us the ability to survive fiber cuts and wavelength outages without impacting network performance. It also gives us one of the lowest latency footprints in the industry. As a result, nLayer Communications is many times able to offer up to 20% lower round-trip times than other major competitors between the same city pairs. This allows customers to improve their network throughput and provides quicker interactive application performance and higher quality for voice and video applications.



Our Network Services

Data Transport

nLayer Data Transport Services provide customers with a private and secure transport circuit, linking any locations within our global network via our MPLS-enabled architecture. Our packet-switched service makes extra capacity available on-demand. Therefore, customers can instantly upgrade their services as capacity needs grow or automatically burst beyond committed bandwidth levels, rather than dropping data.

IPv6 Services

Unlike many other networks that deliver extremely limited IPv6 services using IPv6-over-IPv4 tunneling and overlay networks, we operate a 100% native dual-stack (IPv4 and IPv6) network built on its carrier-class routing and optical infrastructure. This allows us to deliver line-rate performance for IPv6 to every POP, and to provide IPv6 services seamlessly alongside existing IPv4 services.

IP Transit

nLayer IP Transit Services provide stable, low-latency forwarding IP packet filtering, without compromising performance. To speed the flow of information directly to its destination, we maintain extensive peering relationships with other major carriers and access providers. Our continuously upgraded network and careful capacity planning ensure that there are no bottlenecks anywhere in our network, and that there is sufficient capacity to handle sudden, unpredictable demand.

Custom Solutions

We also offer additional solutions that may complement your network services, including infrastructure colocation, cloud computing, and a complete portfolio of managed services that will allow you to concentrate on what matters most — running your core business.

Type 2 SSAE 16 SOC 1 Audit Certified

nLayer Communications participates in an annual third-party Type 2 SSAE 16 SOC 1 audit, reinforcing its position among the world's providers of high-speed Internet access, data transport and managed networking solutions. The audit evaluates nLayer's processes, policies, procedures, and operational activities and validates optimal standards regarding security, availability, and operating integrity. By completing this SSAE 16 audit certification, nLayer Communications is better able to serve enterprise financial, healthcare, government, and other organizations that are required to substantiate adequate oversight of their service providers for compliance with PCI, HIPAA, and SOX hosting standards.

