



## About Us

nLayer Communications is an industry leading provider of **high-speed internet access, data transport, and managed network services** throughout North America and Europe, operating one of the world's largest privately held IP backbones.

## Global Network Performance Facts

- Delivers over 1 Terabits/sec of traffic
- Operates more than 40 core IP POPs capable of delivering multiple 10GbE services in 24 major metro markets
- Over 2 Terabits/sec of active and available IP interconnection capacity with other internet networks
- Over 1500 line rate 10GbE interfaces deployed network-wide
- Over 500 Gigabits/sec of diversely routed inter-city long haul backbone capacity
- 100 Gigabits/sec of Transatlantic backbone capacity, over (7) diversely routed submarine cable systems
- Instantly scalable connection speeds from 100Mbps to 10Gbps and beyond

## Network POPs and DC Facilities\*

- |                      |                   |                      |               |                           |                 |
|----------------------|-------------------|----------------------|---------------|---------------------------|-----------------|
| <b>North America</b> | ● Ashburn, VA*    | ● Philadelphia, PA   | <b>Europe</b> | ● Netherlands, Amsterdam* |                 |
|                      | ● Atlanta, GA     | ● Phoenix, AZ        |               | ● London, England         |                 |
|                      | ● Chicago, IL*    | ● Salt Lake City, UT |               | ● Frankfurt, Germany      |                 |
|                      | ● Dallas, TX      | ● San Francisco, CA  |               | ● Paris, France           |                 |
|                      | ● Elk Grove, IL*  | ● San Jose, CA*      |               | <b>Asia</b>               | ● Tokyo, Japan* |
|                      | ● Houston, TX     | ● Seattle, WA        |               |                           |                 |
|                      | ● Los Angeles, CA | ● Washington DC      |               |                           |                 |
|                      | ● Miami, FL       | ● Montreal, Quebec   |               |                           |                 |
|                      | ● New Jersey      | ● Toronto, Ontario   |               |                           |                 |
|                      | ● New York, NY    |                      |               |                           |                 |



| global IP network | data transport | IP transit | IPv6 services |



## Why nLayer Communications?

nLayer's legacy-free, low-cost networking services offers unmatched value to customers, even those with substantial bandwidth requirements. By using the latest state-of-the-art technology and innovative, efficient techniques, nLayer sets the new standard for affordable, high-quality Internet providers.

### Exceptional Customer Service

- Nine year track record of experience and reputation
- Focus on the needs of wholesale Internet customers and their customers
- Faster and easier to work with than all Tier 1 carriers, across all facets
- 24/7/365 technical staff and senior IP engineering team support
- Flexible billing options for multi-location customers
- Open transparency to network
- **Customize solutions to customer needs...not the other way around**

### Cutting Edge Infrastructure

- Private global IP network that offers reliable, 10 gigabit performance
- Carrier class Juniper network router infrastructure
- Automation that reduces errors and improves efficiency



### Tradition of Technology Adoption

- 100% native IPv6 with line rate performance since 2003
- Support for 9000+ byte MTUs globally throughout our network.
- BGP Flowspec to customers to control packet filters

### Ready Capacity

- Active monitoring of traffic to ensure capacity provisioning before it is needed
- Unmatched capability to handle traffic bursts
- Massive capacity available on demand

### Unrivalled Reliability

- The highest availability infrastructure solutions found anywhere
- Strong Service Level Agreements (SLAs)
- Tremendous backbone diversity (much different than a Tier 1 carrier)

## Global IP Network

The nLayer Global IP Network utilizes a highly scalable architecture to achieve unmatched performance and reliability. Core POPs are interconnected via multiple diversely routed 10Gbps circuits, provisioned over a highly scalable Dense Wave Division Multiplexing (DWDM) infrastructure. Our MPLS-enabled core provides advanced traffic-engineering functionality, rapid fault restoration, and multi-service transport capabilities.

### Data Transport

nLayer's Data Transport services provide customers with a private and secure transport circuit, linking any locations within the nLayer Global Network via our MPLS-enabled architecture. Our packet-switched service makes extra capacity available on demand. This means that **customers can instantly upgrade their services as capacity needs grow**, or automatically burst beyond committed bandwidth levels, instead of dropping excess data.



### IP Transit

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

### IPv6 Services

nLayer is an industry leader in the deployment and support of IPv6 networking. Unlike many other networks that deliver extremely limited IPv6 services using IPv6-over-IPv4 tunneling and overlay networks, **nLayer operates 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.



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