



The Cogent Advantage

Cogent provides Internet connectivity to thousands of businesses across the globe. Whether you are a small business or a multinational corporation, Cogent bandwidth is the right choice. Cogent stands out from competitors by offering **dedicated symmetrical** connectivity, fiber-based **Ethernet** technology, and **reliable** service backed by local customer support centers and an industry leading Service Level Agreement (SLA). The product set is simple and the installation is fast. Trust your company's data connectivity to one of the world's largest and most experienced IP networks.

On-Net Internet Access

In buildings directly connected to Cogent's fiber network

Fast Ethernet	100 Mbps
Gigabit Ethernet	200 Mbps - 1 Gbps
10 Gigabit Ethernet	2 Gbps - 10 Gbps

Off-Net Internet Access

Cogent connects you to its fiber network via local loop

Fast Ethernet	10 Mbps - 100 Mbps
Gigabit Ethernet	200 Mbps - 1 Gbps
10 Gigabit Ethernet	2 Gbps - 10 Gbps

Dedicated Connections

A port on the Cogent network is reserved just for you to ensure that you always get a dedicated symmetrical connection. Traditional telco and cable business Internet services are oversubscribed on the basis that not everyone uses their full bandwidth at the same time. Cogent's network is engineered so that *all* of your bandwidth is available *all* of the time, both for download and upload.

Optical Ethernet

Fiber-based Ethernet has largely replaced legacy data transmission systems in the world's communication networks. Cogent was among the first to commercially extend Ethernet over optical fiber directly to business end users. We offer FastE, GigE and 10GigE speeds to corporate customers in both On-Net and Off-Net locations. IPv6 is available upon request.

Reliable Service

Cogent's network is Layer 3 protected and built in a series of rings. In the event of a fiber cut, data is rerouted away from the cut, reaching you from the other direction and keeping you connected. We proactively monitor your service from our Network Operations Centers and answer support calls quickly, averaging fewer than 25 seconds. Local support teams and online account management are available 24x7x365. Our SLA is our guarantee for outstanding performance and reliability.

SERVICE LEVEL AGREEMENT (SLA)

Network Availability	100%
Packet Delivery	> 99.9%
Network Latency	
Intra North America	< 45 ms
Intra Europe	< 35 ms
Transatlantic	< 85 ms
Transpacific	< 125 ms
Installation Guarantee	
On-Net	17 business days
Off-Net	90 business days

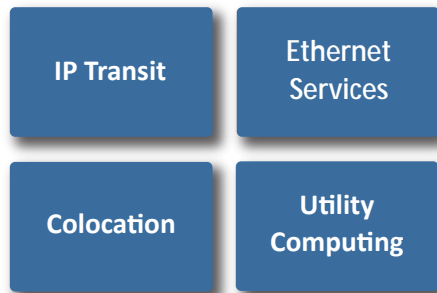
Network Operations & Customer Support Centers

Washington, DC • Herndon, VA
Frankfurt - Germany • Madrid - Spain • Paris - France

Service Locations and Products

Cogent offers a wide variety of On-Net service locations, including the largest and most prestigious office buildings in North America and hundreds of data centers around the world. Off-Net services extend our reach to almost any office building in the markets we serve.

Across our global network, Cogent offers a simple product set, allowing us to specialize in providing you bandwidth.



Call today for information on any Cogent product.



COGENT FACTS

- 2017 Best in Class Service Delivery (*Atlantic-ACM*)
- Mid-Year 2016 U.S. Carrier Ethernet Services Challenge Tier and Global Provider Ethernet Services Challenge Tier (*Vertical Systems*)
- 2016 Best in Class CLEC Data Value (*Atlantic-ACM*)
- 2015 Global Ethernet Services Challenge Tier (*Vertical Systems*)
- 2015 U.S. Carrier Ethernet Services Competitive Providers (*Vertical Systems*)
- 2015 U.S. Carrier Ethernet Services Challenge Tier (*Vertical Systems*)

Cogent customers include:

- 80% of the top 100 U.S. law firms
- 55% of the largest hedge funds
- 50% of the top U.S. government contractors
- 20% of Fortune 100 companies
- Major stock exchanges & top financial institutions
- Trusted network of schools & libraries (E-Rate supplier)



UNITED STATES OFFICE LOCATIONS

- | | | | |
|-----------------|-----------------|-------------------|----------------|
| Atlanta, GA | Herndon, VA | Oakland, CA | Seattle, WA |
| Boston, MA | Houston, TX | Pasadena, CA | Somerville, MA |
| Chicago, IL | Los Angeles, CA | Philadelphia, PA | Sterling, VA |
| Culver City, CA | Miami, FL | Phoenix, AZ | Vienna, VA |
| Dallas, TX | Minneapolis, MN | San Diego, CA | Washington, DC |
| Denver, CO | New Orleans, LA | San Francisco, CA | |
| Detroit, MI | New York, NY | Santa Clara, CA | |

INTERNATIONAL OFFICE LOCATIONS

- | | |
|-----------------------------|-------------------------|
| Toronto, ON - Canada | London - United Kingdom |
| Montreal, QC - Canada | Luxembourg |
| Amsterdam - The Netherlands | Madrid - Spain |
| Frankfurt - Germany | Paris - France |
| Kiev - Ukraine | Stockholm - Sweden |

About Cogent

Cogent Communications Holdings, Inc. (NASDAQ: CCOI) is a multinational, Tier 1 facilities-based ISP, consistently ranked as one of the top five networks in the world. Cogent specializes in providing businesses with high speed Internet access, Ethernet transport and colocation services. Cogent built one of the largest and highest capacity IP networks in existence. This network enables Cogent to offer large bandwidth connections at highly competitive prices.



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