



## The Cogent Advantage

Cogent's Ethernet Services transports your data across our **global** network at the speed of light. Whether it's point-to-point, hub and spoke, or a full mesh Virtual Private Network (VPN), take advantage of large capacity pipes to fit your WAN needs. Trust Cogent's **reliable** Tier 1, MPLS-enabled optical IP network to carry your mission-critical data, giving **secure** access to the information needed to collaborate in real-time. Cogent's service is a cost-effective alternative to traditional private lines and VPNs.

### Ethernet Point-to-Point

Connect your offices and data center locations with ease

**VLAN-based connectivity**

**Flexible topology (Private line, hub & spoke, ...)**

**Reliable & secure data transport**

### Ethernet VPLS

Fully mesh all of your sites into a virtual private LAN cloud

**Any-to-Any connectivity (VPN)**

**Scalable across all locations**

**Simple to provision, operate & upgrade**

## Global Reach

Cogent's Ethernet Services enable you to transmit your most sensitive data across the globe or across the street. Our network is one of the largest of its kind, connecting to over 195 markets throughout 40+ countries. From Albany to Zurich, Cogent's all-optical MPLS-enabled IP backbone connects more service locations than any other Tier 1 provider.

## Secure Data Transmission

Customers rely on Cogent to carry VoIP traffic, sensitive financial data, shared applications, trading information, video files and replicated data. We transport the packets, you provide the data. Connect your remote offices, back up critical information, or access data in the cloud--Cogent's Ethernet services provide simple, secure and cost-effective solutions.

## Reliable Service

Whether you are a multinational bank, a local law firm, or a virtual network operator, reliability can't be compromised. Cogent's ring architecture provides built-in redundancy and is designed for 100% availability. Customer Support Engineers are available 24x7x365 to answer your calls in less than 25 seconds. Local support and online account management ensure your connection is up and running regardless of time zone.

## Ethernet Service Features

Layer 2 connectivity for IP & non-IP applications in metro & long-haul WAN environments

**Interfaces include FE, GigE, 10 GigE**

**Speeds from 100 Mbps - 10 Gbps (burstable options)**

**Connectivity in 195+ markets across 40+ countries**

**QinQ / Jumbo Frames options**

## SERVICE LEVEL AGREEMENT (SLA)

Network Availability	100%
Installation Guarantee	
On-Net	17 business days
Off-Net	90 business days

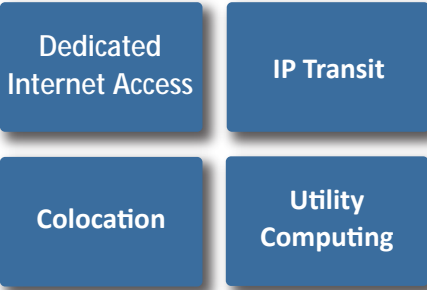
## Network Operations & Customer Support Centers

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*)

### Did you know?

- The Cogent network is directly connected to more than 80% of US broadband eyeballs (LRG)
- Cogent is the only commercial ISP to operate one of the 13 DNS root servers of the Internet (C.ROOT)
- 50% of the top web properties in the US & Europe are Cogent customers (comScore)
- More than 400 Universities & Research Institutions rely on our bandwidth



### 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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