



AboveNet™

AboveNet VPN

Inter-city Connectivity; Point to Point or Multi-Point

About AboveNet

AboveNet, Inc. provides high bandwidth connectivity solutions for business and carriers. Its private optical network delivers key network and IP services in and among top U.S. metro markets and globally.

AboveNet's network is widely used in demanding markets such as financial services, media, health care, retail and government.

Greater than 2.3 million fibre miles

Private, purpose-built networking providing end-to-end connectivity in and among top US markets and globally

Abovenet

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Choose VPN Performance And Cost Savings The Way You Want Them

Connecting a storage network between New York and London? What about that Voice-over-IP network between corporate offices in Frankfurt and Paris? Or simply adding bandwidth to support large data and video file transfers between San Francisco to Amsterdam? Today, enterprises like yours often need to expand key business applications across multiple locations, in different geographic markets.

AboveNet offers VPN choices that provide the performance and bandwidth you need, at significant cost savings compared to private lines and other legacy WAN solutions. Leveraging one of the industry's leading IP/MPLS, tier 1 backbones, AboveNet has created a suite of VPN services that can securely connect your corporate metro networks and help ensure your critical traffic has destination-certain delivery.

Eliminating Complexity, Driving Down Costs

- Easily combine any of AboveNet's VPN services and Internet Access
- 100% dedicated Ethernet city-to-city service connects multiple customer locations
- Starting at 20 Mbps and up to 10Gbps with burst capability available
- Ethernet or IP handoff, any-to-any or point-to-point connections
- Customer-dedicated metro fiber access to AboveNet POP and true fibre redundancy available
- Distant city-to-city component rides over AboveNet's backbone

Cities Connected Over High Speed Infrastructure

AboveNet provides the local building blocks for high bandwidth metro networks—offering gigabit-speed connectivity between critical customer locations, data centers, and telco exchanges. With eWAN providing a dedicated Ethernet city-to-city connection between two of your locations you can bridge these critical fiber-based connections, extending applications to top US markets through an MPLS-based core network. Start with as little as 20 mbps of point-to-point connectivity between two different cities and then add more bandwidth on-demand as your business grows. And, combine eWAN with IP for bundled Ethernet city-to-city connectivity and internet access.

Seamlessly Connect Multiple Locations to access demanding applications

IP Mesh connects your locations across the AboveNet IP or MPLS backbone, with the flexibility to support your most critical applications, while simplifying your network management and reducing operating costs. Each IP Mesh location connects to the AboveNet POP with a 100% dedicated fibre. The IP Mesh service is delivered with an aggregated network bandwidth commit starting at 20 Mbps per location - covering all sites in your IP Mesh.

Through selecting Abovenet VPN, businesses can utilise different classes of service to ensure your critical traffic .



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Enabling VPN Capabilities

Voice over IP
Storage
Multimedia
Video Conferencing
E-Business
Server Farms
CAD-CAM
Content Distribution Networks
Layer 3 protocol transparency and security

VPN Industry Applications

Finance
Bio Tech
Government
Education
Legal
Health Care
Transportation
Law Enforcement

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Extend your LAN across the WAN

eMesh provides Ethernet based, any-to-any connectivity to all customer locations. Ideal for customers who have three or more locations and want transparent transport between locations. Each eMesh location connects to the AboveNet POP with a 100% dedicated fiber. City to city transport is provided over AboveNet's IP/MPLS backbone. eMesh service is delivered with an aggregated network bandwidth commitment starting at 20 Mbps per location, including burst capability.

Prioritising Your Most Important Traffic

AboveNet's world class, tier 1 IP/MPLS-TE Backbone helps ensure the best possible performance for its customers. In those rare situations where the connection at your location does experience congestion, or we see an event in the core network, you'll want a way to make sure the right traffic gets through first.

With 4 Classes of QoS to choose from you decide which of your traffic gets end-to-end priority. If you just need simple connectivity between your locations – we'll provision your network as Basic QoS. However, if you have VOIP or video or other real-time applications, you can choose one or more of the premium QoS levels with your VPN.

Features & Benefits

- QoS – 4 service classes (Critical, Preferred, Enhanced, and Basic)
- Security – customer VPNs uniquely identified and separated from all other traffic
- 100% dedicated fibre loops and handoff, exclusive access to customer location
- Future-proofing current bandwidth requirements
- Converged access over single port – enhanced productivity and cost efficiency
- Service Level Agreements for availability, latency, packet loss and jitter
- IP MPLS-TE backbone – most efficient network with 50ms fast re-route
- Connect HQ to branch offices
- Burst capability

Typical Applications

- VoIP
- Video Conferencing
- Disaster Recovery network
- Storage Area Network (SAN)

Options

Add-on IP Transit (per location)
Managed CPE (24x7/365)

Growing Your Business with High Speed Infrastructure

Locally, you can choose Metro high bandwidth network services to provide gigabit-speed connectivity between your locations, data centers, and telco exchanges. With AboveNet's VPN services, you can now bridge critical fiber-based connections and extend applications to most major cities in the US through an IP/MPLS-based core network. Start with 20 Mbps of VPN connectivity per location in two different cities and add more bandwidth and enhanced features to meet your business needs.