



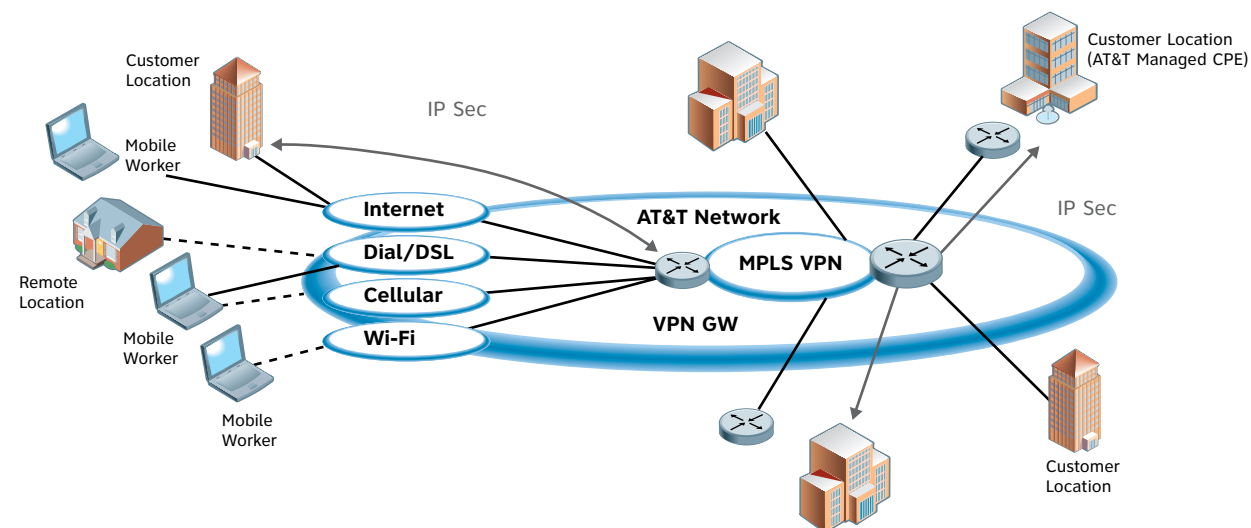
AT&T VPN Portfolio



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Companies are continually challenged in keeping up with evolving technologies and tools needed to match the increasing pace of business. These tools foster productivity in the office, but also need to be available to those workers on the go. With mobility comes the challenge of keeping everyone connected regardless of the device they use, their access method, the task they need to perform or where they are doing it from. Today's workers need immediate access to the full suite of those business tools.

Virtual Private Networks (VPN) are a key enabler to have applications integrated into the network. AT&T has evolved its core communications capabilities into end to end solutions that can maximize the way you communicate and collaborate, to change the way you do business. These solutions provide a single IP-based network with true global reach and "any-to-any" connectivity with quality of service backed by Service Level Agreements. And because of its superior scalability and flexibility, a VPN configuration enables customers to efficiently access applications like Voice over IP (VoIP), unified communications, remote access, video, cloud computing, AT&T Telepresence Solution®, security and hosting.



Integrated VPN

AT&T's VPN portfolio offers global networking services ranging from individual components to tailored end-to-end solutions. The portfolio provides network-based, premises-based, remote access and hybrid VPN solutions with management capabilities ranging from individual customer managed to fully managed VPNs. Our portfolio allows you to choose the level of management that meets your networking needs, in addition to the ability to customize your network design based upon your business applications.

AT&T's VPN offers arm your business with the future of networking. It is a key facilitator from which to build and deploy applications. The network offers consistent performance and flexibility around the globe. We provide any to any connectivity with Class of Service (COS) to enable you with options to protect and offer efficiencies to your business. You can set up real time disaster recovery plans allowing office workers to perform their duties elsewhere in case of an emergency. Your AT&T VPN solution may also be used to support the voice applications you currently count on for day to day communications.

Benefits:

- Highly secure, reliable network architecture providing any-to-any connectivity globally keeps your business running safely
- Management capabilities providing the level of control you require to ensure your monitoring requirements are met
- Economies from providing voice and data on the same access choice allow you to reduce access costs
- Remote access for mobile devices or remote locations to allow your mobile employees to stay connected
- Flexibility to add new locations, applications and features to the network without rebuilding your network
- Improved application performance using Class of Service to prioritize traffic for mission critical applications like voice or video
- Efficiently integrate new technologies to existing infrastructure allowing you to get more from your network
- Simplify network and billing management with easy to use web-based tools to monitor cost allocations
- Service Level Agreements to provides you assurances the network will operate with optimum uptime
- Intuitive connect client with single sign-on for all applications, regardless of network connection type to inform the traveling worker of the best access options available
- Consistent, global customer experience
- IPv6-enabled AT&T networking supports current and future IP protocols
- Ability to add emerging services such as VoIP and Cloud Computing adds utility to your network investment



Full Spectrum of VPN Capabilities

AT&T Network-Based VPNs

AT&T network-based VPNs allow you to manage the evolution of your network while providing high levels of flexibility, reliability and security. AT&T network-based VPNs are delivered via the AT&T Global Network, which utilizes Multiprotocol Label Switching (MPLS) routing technology. MPLS is the enabling technology supporting a converged, any-to-any architecture with built-in MPLS security and Class of Service (CoS) to efficiently transport traffic over the network.

AT&T network-based VPN services provide you maximum control and flexibility over your network performance and functionality. Network-based VPNs provide consistent access to corporate information inside the office and to mobile and remote workers regardless of device. You have the ability to select the appropriate level of Class of Service to prioritize your traffic for your unique needs. The convergence of multiple networks to a single MPLS platform produces gains in employee productivity, streamlines operations, and improves security and reliability while reducing the total cost of ownership.

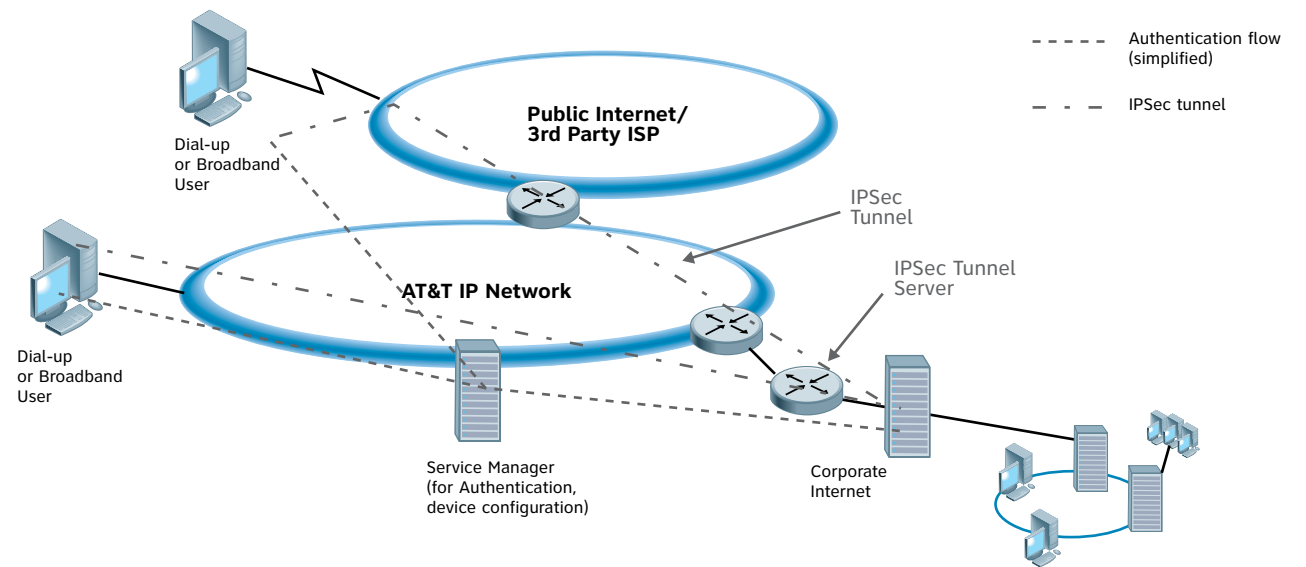
AT&T's network-based VPN solutions address the importance of providing a converged network to connect your locations while integrating both legacy and emerging applications that you require today and over time.

AT&T Premises-Based VPNs

AT&T premises-based VPNs are delivered by adding intelligent devices such as firewalls or VPN tunneling to the customer premises. Our premises-based VPNs are delivered over AT&T's highly rated Global Network for users needing a high performing network, or over the Internet, for users requiring ubiquitous access and extended reach.

AT&T's premises-based VPNs can be used to protect confidentiality and integrity of data traveling across a network through the use of encrypted tunnels. We provide multiple tunneling options, including IP Security (IPSec) and Secure Sockets Layer (SSL), allowing you to tailor your premises-based solution to meet your networking needs.

Given the range of applications supported across your enterprise, one or both encryption protocols may be appropriate. AT&T can fully implement your premises-based VPN from the largest



AT&T Premises-Based VPN

headquarters location to the traveling sales person. We at AT&T have the people and resources to help you design what is best for your organization.

AT&T's Hybrid VPN Solutions

AT&T's hybrid VPN solutions combine the best of network-based and premises-based technologies. Through our focused innovation we can provide seamless interoperability, flexibility and security within a single enterprise network solution designed to meet your infrastructure and application requirements.

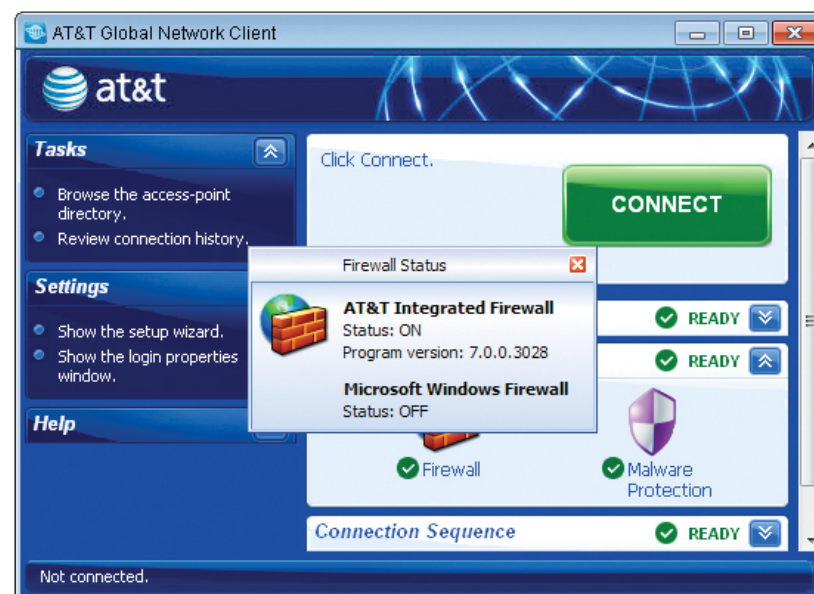
Remote Access Services

As Enterprises become more and more mobile, there are increasingly more ways for employees to stay in touch. Whether this be a laptop, a PDA, or a cell phone Remote Access Services provide seamless integration of wireline and wireless access technologies as an extension of existing enterprise network. Whether the end-user is a remote worker, a traveling user or an extended member within your business model, Remote Access Services will provide access to corporate information and applications on the fly.

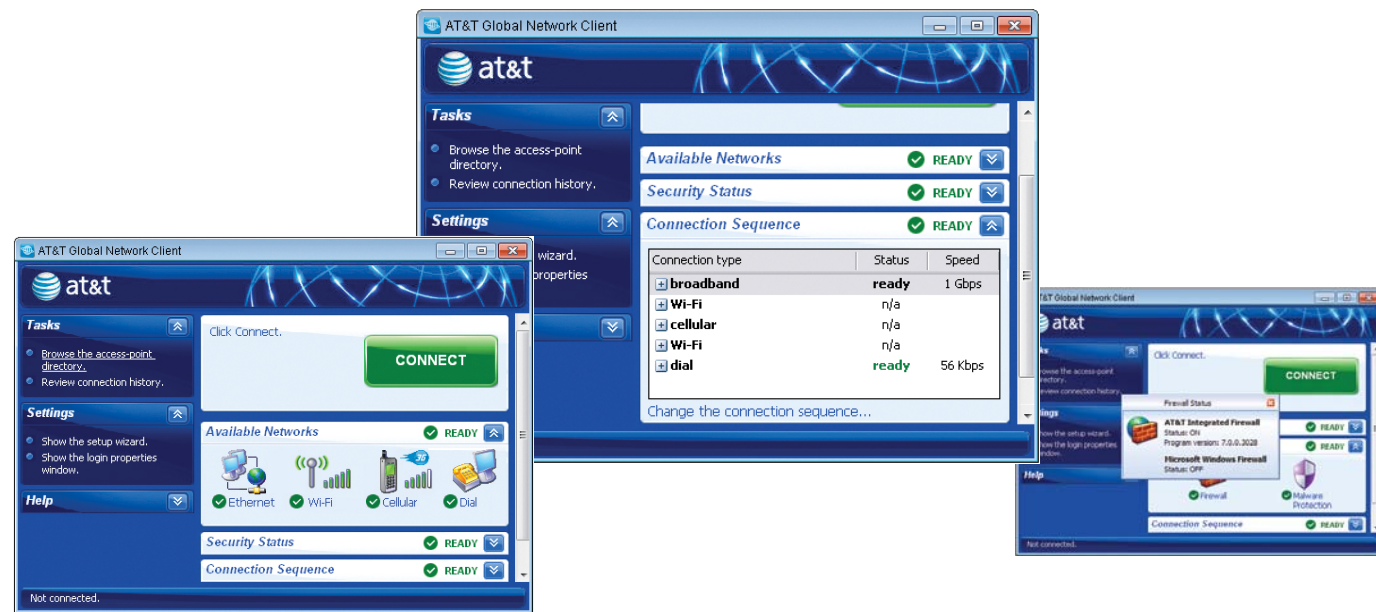
To keep your enterprise mobile and get additional value from your VPN, you need a remote access client that doesn't get in the users' way. An interface that's uncluttered, informative and user-friendly. AT&T's Global Network Client, has a simple, single logon, the user's experience is as flexible and high performing for the remote worker as for those directly on the corporate network. In addition, the AT&T Global Network Client user benefits from VPN Mobility and persistent connection capabilities allowing sustained VPN connections even when roaming from one network to another. The end-user is freed from the need to re-establish their VPN connection or applications, not increasing their productivity.

Voice Options for VPN

Analysts believe VoIP will revolutionize the world's telephone systems, and transform the way large and small companies collaborate and communicate. AT&T VoIP solutions carry voice information over your VPN network, offering powerful new ways to make traditional telephone calls. Take full advantage of converged technologies, for the integration of voice and data. Wired or wireless, public or private, your network will enable innovative ways of doing business and unrealized opportunities for staying connected.



Network-Based VPN



Extending your VPN through remote access

Security

Ensuring the security of your network is critical. You can create a highly secure network by choosing a network-based VPN within the AT&T Global Network. Security is built into AT&T's Global Network using MPLS technology within the backbone, and is directly managed by AT&T for high levels of availability and Class of Service. With premises-based VPNs security is built into the service by utilizing tunneling, encryption, access control and authentication options.

There is an array of additional options designed to give you maximum flexibility in your VPN whether you implement a premises-based, network-based or hybrid VPN solution.

Simple, highly secure access to corporate information and applications virtually anywhere, anytime.

Security Services

The following security services are available to augment your VPN solution:

- Firewall Security Services**
 Access the Internet with managed firewall services. Options include network based solutions or customer premises devices
- Intrusion Detection Services**
 Extend managed security services beyond the firewall through providing comprehensive monitoring, attack recognition and response based upon your predefined security policy
- Network Scanning Services**
 Utilize real time network scanning for potential entry points open to malicious attack through an automated web-based scanning tool that probes Internet-facing devices for vulnerability
- Remote Access Security**
 For users of the AT&T Global Network Client there is optional AT&T Endpoint Security available, in addition to encrypted site-to-site connectivity

Management and Monitoring

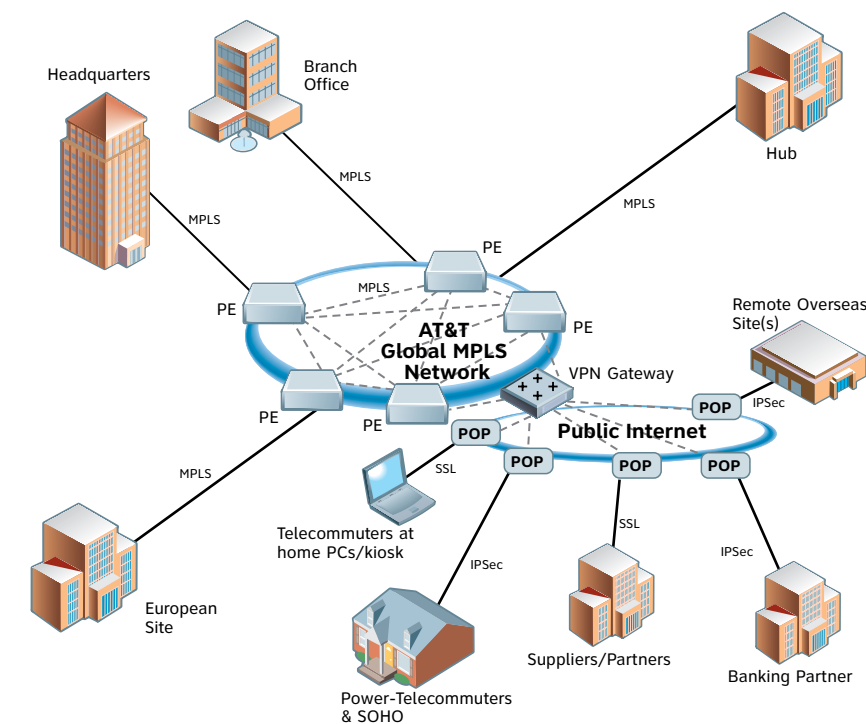
VPNs are intricate solutions, and AT&T has the expertise and knowledge to help navigate through the complexity of managing your network. The AT&T VPN portfolio is supported by management capabilities that provide a wide range of network control – from selective out-tasking to complete outsourcing.

AT&T has expertise in customer care, network engineering and management, with operation centers worldwide offering in-country help desk support to take the complexity out of your day-to-day networking. AT&T streamlines the management of

your network and alleviates your need to deal with multiple suppliers. AT&T's team of experts will design, implement and manage your solution – a single partner to manage all aspects of your network.

Putting it All Together

AT&T offers you the most comprehensive set of network and premises-based solutions for all applications of VPNs in the industry. We are committed to offering enterprises best-in-class industry technology for performance, reliability, network agility and security.



Multiple VPN technology choices working together

For more information contact your AT&T Representative or visit us at www.att.com/enterprise.