

AT&T IP Services

Newest Technology. More Markets.

AT&T is a global market leader in IP networking. Our customers confidently and cost-effectively incorporate leading edge technologies and capabilities into their own networks – and those of their customers – by selecting from AT&T's extensive IP and Managed Services Portfolio.

AT&T's Global IP Network offers ubiquitous access for service providers worldwide. With extensive peering capacity, AT&T's IP network infrastructure is truly optimized and offers broad site availability. The AT&T Global IP Network uses Multiprotocol Label Switching

(MPLS) technology for integrating disparate networks and to provide enhanced capabilities for managing hybrid environments.

Strong Service Level Agreements: We Back Our Network Performance

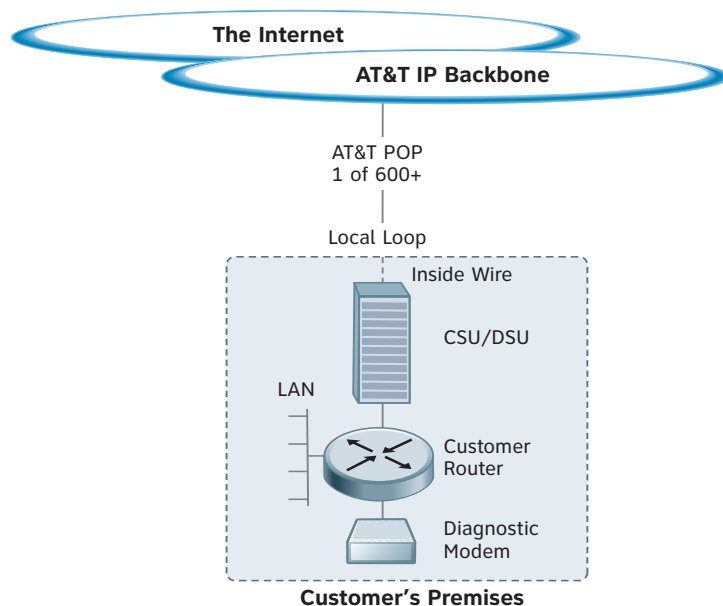
AT&T has made significant network investments to achieve world-class network reliability, availability and performance to help keep your network and your business running smoothly. We have focused not only on improving performance metrics, but we back those metrics with meaningful financial credits – built on clearly defined and measurable terms.

BENEFITS

Evolve your business to the next generation of converged communication services with AT&T

- AT&T offers single-source solutions designed to deliver consistent quality, reliability and simplicity to our wholesale customers around the world
- AT&T's robust MPLS-based Global IP Network will seamlessly extend your reach with the performance and security you expect from a world leader in IP networking
- Our robust product portfolio of advanced network, data, IP and application services helps our wholesale customers solve their business challenges, adapt to new technology, respond quickly to market drivers and delight their end users with innovative services

AT&T MIS with Customer-Provided CPE



Your View and Our View

AT&T views networking from the same perspective you do: critical. As one of the world's leading IP network operators, we have a compelling need to keep our network up and running. Like your enterprise, our business success depends upon the ability to serve our customers – every minute – of every day.

AT&T Managed Internet Service

AT&T Managed Internet Service (MIS) provides high speed dedicated access to the Internet with extensive reach in the continental U.S., plus HI, AK, PR and USVI. AT&T MIS offers the convenience of one-stop shopping, end-to-end connectivity and flexible networking solutions. AT&T MIS can help you consolidate management of your Internet applications with dedicated access, world-class reliability and performance, scalability and security.

With AT&T MIS, you can select our completely AT&T-managed solution – or choose to manage components of your Internet access solution yourself. Either way, we proactively monitor your Internet access around-the-clock and provide enhanced security features to help protect your valuable network resources.

AT&T Managed Internet Service assists in expanding your global network reach. It is available for your internal administrative use, as well as for resale to your end users.

AT&T MPLS IP Virtual Private Network (VPN) Solutions

AT&T MPLS IP VPN solutions are provisioned on AT&T's Global IP Network, a scalable, hierarchical and reliable network infrastructure designed to increase network stability, performance and security. The advanced MPLS routing technology uses "label switching" to establish and prioritize data traffic, allowing a full range of control and consistency across the network.

AT&T MPLS IP VPNs provide capabilities that allow businesses to support voice, video and data on one network, making them ideal for network convergence. AT&T MPLS IP VPNs

provide the privacy and security of a Frame Relay or ATM network, with the inherent any-to-any connectivity and routing flexibility typical of an IP network. With MPLS, modify or add to your network infrastructure as your business requires.

The availability of services within AT&T's portfolio of VPN solutions varies by customer application and typically requires a customized solution.

AT&T MPLS Private Network Transport (PNT) Service

AT&T PNT service offers a flexible path to migrate from legacy data networks to a high performing, scalable IP-based network without sacrificing the security traditionally found in dedicated private networks.

AT&T PNT is a state-of-the-art IP VPN that links all your domestic sites (including those in HI, AK, PR and USVI) to a single IP network that easily integrates new locations and applications. AT&T PNT offers optional management capabilities, class of service for traffic prioritization and private line local access with bandwidths of T1 through OC48.

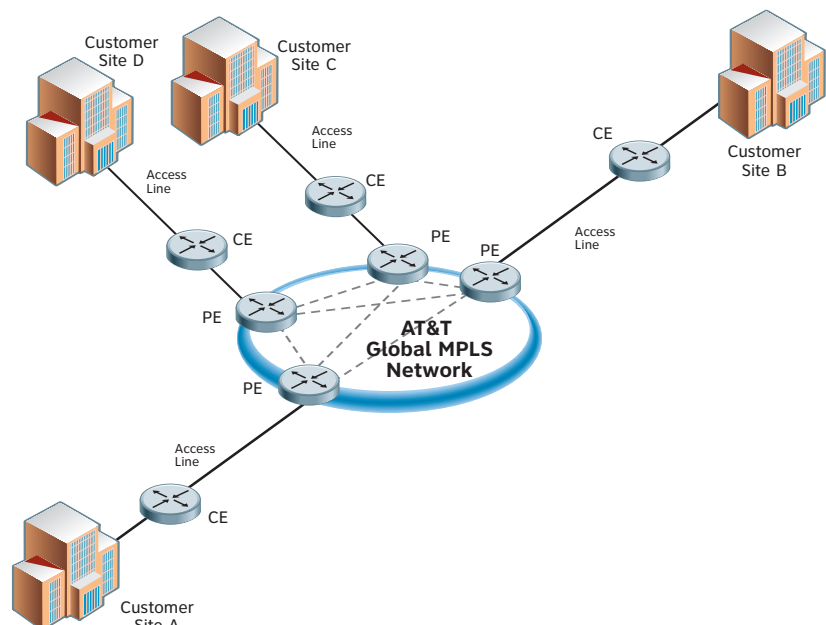
AT&T PNT service may be purchased to support applications which are for internal administrative use. Support for other solutions may be available but will vary by customer application and require a customized design.

AT&T IP-Enabled Frame Relay/ATM (IPeFR/ATM) Service

Supported by MPLS technology, this service combines the flexibility of IP networking with the security of AT&T's world-class Frame Relay/ATM network helping you to maintain privacy on your network. AT&T IPeFR/ATM Service provides a graceful way to evolve your existing Frame Relay/ATM network to an IP VPN. This service is available globally, offers flexible management capabilities and provides class of service for traffic prioritization.

AT&T IPeFR/ATM service may be purchased to support applications which are for internal administrative use. Support for other solutions may be available but will vary by customer application and require a customized design.

Integrated IP VPN for Application-Aware Networking



AT&T Virtual Private Network (AVPN) Service

AT&T AVPN service addresses the importance of providing an agile, converged network to connect your locations and integrate both legacy and leading edge technologies in a secure, reliable environment supported by MPLS technology. AVPN provides the features and flexibility needed to support the options you require today, and over time. This service is available globally, provides class of service for traffic prioritization and a choice of access options to meet your site requirements.

AT&T AVPN service is available for internal administrative use only.

AT&T Enhanced VPN (EVPN) Service

AT&T EVPN service is a fully managed, fully bundled network-based IP VPN service that offers globally consistent features and functionality. EVPN provides end-to-end proactive management and Service Level Agreements. Supported by MPLS technology, EVPN provides high levels of security, reliability and performance; plus class of service capabilities and speeds up to OC3.

AT&T EVPN service is available for internal administrative use only.

AT&T DSL Internet Service

AT&T DSL Internet Service alleviates slow access with high-speed Internet access at a competitive price, offering high-bandwidth at a fraction of the cost of T1-based access. The DSL access technologies used include ADSL, IDSL and SDSL. Availability is dependent upon location, bandwidth requirements and distance from the local telephone company's central office. Service is provided in 49 states from thousands of central offices.

AT&T DSL Internet Service dramatically reduces circuit access charges by allowing for traffic aggregation across a large number of customers. This high-speed access connection is "dedicated" – always available. Access speeds range from 128 Kbps to 1.5 Mbps. Managed or unmanaged service may be ordered to support a variety of needs, from the small office with a handful of employees,

to telecommuters and branch offices that need higher bandwidth.

Take advantage of high-speed Internet access without the high costs. AT&T DSL Internet Service provides you with the scale and reliability of the AT&T network, with the expertise and experience of AT&T.

AT&T DSL Internet service is available for internal administrative use, as well as for resale to your end users.

AT&T Premises Based IP VPN Service

Do business with confidence knowing that AT&T is protecting your data. AT&T Premises Based IP VPN Service (AT&T VPN Tunneling Service) offers flexible management options and network service features using the public network infrastructure. Privacy is maintained by using tunneling protocols and security procedures.

Network features include a variety of access methods from dial-up to high-speed services, as well as egress options. Authentication, authorization, encryption and firewalls protect mission-critical and private information. Remote access networking capabilities are perfect for travelers – and dual access capability allows simultaneous access to the Internet and secured Intranet destinations during the same session.

AT&T Premises Based IP VPN Service is intended for internal administrative use only.

AT&T Global Managed Internet Service (GMIS)

AT&T GMIS provides rapid and reliable Internet access backed by world-class customer support, around-the-clock management and industry acclaimed service availability – all from a single source. AT&T gives you a centralized buying point for your Internet service needs; international reach to more than 60 countries and feature-rich, flexible solutions. Use these solutions to manage your business, build out your network infrastructure or sell to your customers. Local language customer care is offered by AT&T help desks in many countries. AT&T Global Managed

Internet Service offers:

- Single source for feature-rich services
- Extensive Internet access via Private Leased Line or wide-ranging reach via Frame Relay
- End-to-end management: from reviewing your Internet traffic patterns to recommending bandwidth
- Reliable customer care – around the world

AT&T GMIS is available for internal administrative purposes, network infrastructure build-out, as well as for resale to your end customers.

AT&T Global Business Solutions (GBS)

AT&T's GBS organization consists of consulting, engineering, integration specialists and an equipment resale organization. GBS simplifies all your network needs. Whether you are deploying a new data network, upgrading existing equipment or evolving to a completely new technology, our team of experts will provide a solution tailored to meet your needs.

The GBS team will assess, design, engineer, deploy and maintain a broad range of network solutions in these key technology areas:

- Applications Integration
- Business Continuity/Disaster Recovery
- Contact Centers
- Data Center Moves/Consolidation
- IP Data Performance
- IP Messaging
- Security
- Staff Augmentation
- Telecom Services
- VoIP/IP Telephony
- VPN/EVPN
- Wireless

AT&T's main focus is to improve network productivity and efficiency – with emphasis on return on investment (ROI) and total cost of ownership (TCO) analysis. AT&T also supports business solutions related to mergers and acquisitions, business consolidation, telecom consolidation, business network strategy and optimization, outsourcing/out tasking planning, emerging technology and integration, and supply chain management.

In addition, AT&T Capital Services provides flexible leasing programs that;

- Alleviate up-front capital outlay when deploying new equipment
- Eliminate equipment depreciation costs
- Simplify equipment upgrades

AT&T is your single, end-to-end, trusted vendor, building and deploying intelligently designed network-based solutions critical to your business.

AT&T Internet Protect

AT&T Internet Protect® is an award-winning 24/7 security alerting and notification service that delivers critical information to customers regarding potential real-time network attacks that are in the early formulation stages – including viruses, worms and other cyber-security threats. By using AT&T's IP backbone as a proxy of general Internet traffic, and analyzing this traffic with heuristics and statistical models, AT&T Internet Protect can predict and profile potential malicious activity.

AT&T provides customers with early warnings of potential malicious intruders and unauthorized activities, allowing them to be proactive instead of reactive. Customers are notified via email, pager and the AT&T BusinessDirect® Portal, sometimes weeks in advance, allowing valuable time to act before any damage is done.

Let AT&T help you protect your network against malicious attacks and the losses associated with network security breaches by implementing AT&T Internet Protect in concert with your overall security policy.

AT&T Internet Protect service is available for internal administrative use only.

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