AT&T Business

Build a robust hybrid network using AT&T VPN

AT&T VPN has long provided businesses with a highly reliable, high-performance network. Now, with new features such as Integrated Local Internet, AT&T VPN can help your business achieve Hybrid Network transformation.

Connect and integrate other networking technologies with AT&T VPN to build an optimized network best suited to your business applications. Performance and agility are crucial within rapidly changing environments, and AT&T VPN lets you calibrate speed, class of service (CoS), virtual local area network (VLAN), and more in near-real time.

Benefits

- Delivers highly secure and reliable any-to-any global connectivity
- Allows users to make network changes on-demand and in near-real time
- Optimizes cost with Integrated Local Internet—both VPN and internet using single Ethernet access
- Your data does not traverse the public internet, so encryption is not required
- Prioritize critical applications with class of service (CoS)

Features

- Variety of remote access options
- Global availability in more than 200 countries
- Built in network security with MPLS
- Management options on a per-site basis
- Multiple VPNs on a single connection
- Global help desk support
- Integrated and highly secure cloud connectivity through AT&T NetBond® for Cloud
- Award-winning AT&T Business Center portal gives access to servicing and trouble ticketing
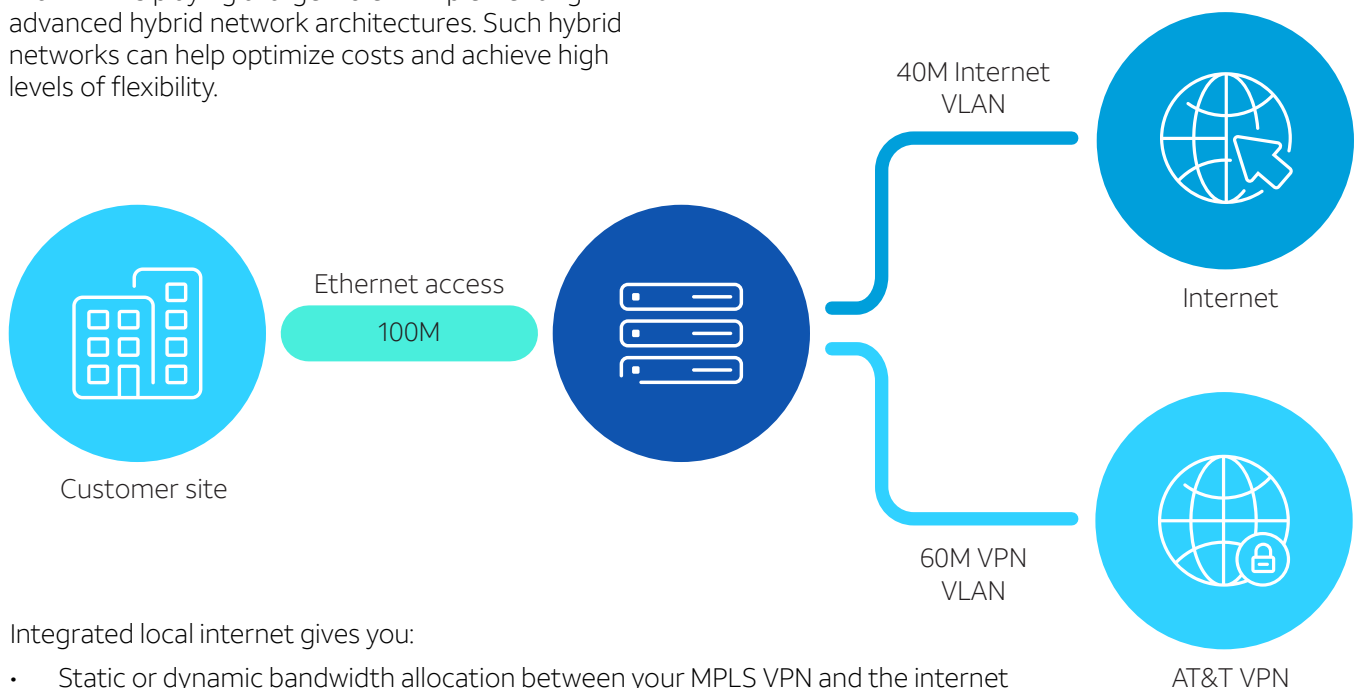
AT&T VPN

AT&T VPN is a network-based IP VPN solution with a wide range of features, including local internet offload—the flexibility to dynamically choose between public and private connections. It runs over the AT&T Global Network using Multiprotocol Label Switching (MPLS) to deliver high-performance, highly secure, any-to-any connectivity. This helps provide consistent app performance and throughput.

AT&T VPN satisfies key business objectives. It gives you an agile, converged network to connect your locations and integrate both legacy and leading-edge technologies in a highly secure and reliable environment.

In addition, AT&T VPN allows you to integrate all your current and future applications on a single advanced network. For instance, you can integrate voice, video, data, and cloud on a single MPLS IP network. Plus, AT&T VPN allows virtually anywhere-anyhow connectivity. You can link your locations to the network with a class of service (CoS) that can prioritize your applications. This helps guarantee consistent low latency and highly secure performance.

Make AT&T VPN part of a multi-underlay solution

AT&T VPN is playing a larger role in implementing advanced hybrid network architectures. Such hybrid networks can help optimize costs and achieve high levels of flexibility.

Drawing on multiple technologies, hybrid networks deliver cost-effective and stable connectivity. They may include Ethernet, MPLS VPN, dedicated and high-speed internet, broadband internet, and 5G. These technologies give businesses robust networking connectivity with intelligent routing capabilities to suit the needs of individual office sites and application requirements.

As a stand-alone option, AT&T VPN gives you a network connection that's optimized for performance and scalability. It provides highly secure, private, low-latency network connectivity. When anchoring other advanced network configurations, AT&T VPN can enhance the performance and reliability of your network.

The new VPN: Integrated Local Internet

AT&T VPN now provides flexible dedicated internet access over one common Ethernet connection. It's changing how businesses deploy hybrid networks and cloud applications.

By activating Integrated Local Internet, you can dynamically access your private VPN and the public internet. Distributed local internet provides a quicker path to cloud service providers and enhances application performance and response time. You can easily enable this new feature on existing or new AT&T VPN locations.

40M Internet VLAN

Ethernet access
100M

Internet

Customer site

60M VPN VLAN

AT&T VPN

Integrated local internet gives you:
- Static or dynamic bandwidth allocation between your MPLS VPN and the internet
- Aggregation of Dedicated Internet and MPLS VPN on one Ethernet access
- Reduced cost while providing localized internet access
- Simplified contracting and billing

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An excellent supplement to Software-Defined Wide Area Network (SD-WAN)

As hybrid networking is growing in popularity, some believe VPN and SD-WAN are incompatible. The truth is that they're actually complementary. As an edge overlay solution, SD-WAN draws on the inherent strengths of your network. The more reliable and secure the network anchoring SD-WAN, the more reliable and secure your SD-WAN will be.
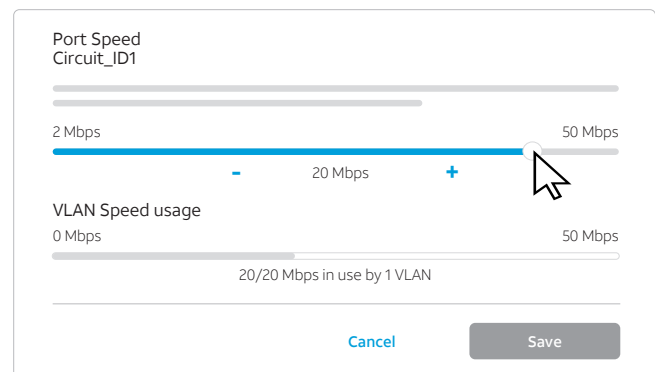
For example, AT&T VPN is a highly secure, private network connection. It provides consistent throughput and is also application aware—it can prioritize and guarantee the performance of different traffic types across the network. Pairing SD-WAN with AT&T VPN, therefore, enhances your SD-WAN with these same benefits.

In contrast, you may opt for a networking solution that runs over a public internet connection. True, this will save on costs. And depending on your site and needs, it can be desirable to meet case-specific use cases. It's important to keep in mind, however, that the public internet is subject to performance fluctuations due to congestion, internet brown outs, and potential security threats (others can see your packets even if you encrypt them; you're subject to DDoS attacks, malware, spoofing, viruses, and more). Therefore, it is critical that you diversify your connection types to mitigate the inherent risks of transporting private data over a public network.

To sum up—the network you pair with SD-WAN affects its performance characteristics. AT&T VPN makes SD-WAN deployments more robust by enhancing performance and reliability.

Network agility

The flexible MPLS network scales to accommodate your changing bandwidth needs. Through rich features and multiple access options you are able to quickly add new sites and applications to the network.

Port Speed
Circuit_ID1

2 Mbps   50 Mbps

—   20 Mbps   +

VLAN Speed usage
0 Mbps   50 Mbps

20/20 Mbps in use by 1 VLAN

Cancel   Save

Control via customer-defined policies

Designed with 6 classes of service (CoS), enabling your business to prioritize traffic over a single infrastructure to achieve the high levels of performance that your voice, video, and data applications demand.

Visibility across the network

Easily manage performance and track trouble tickets through web-based management tools, allowing you more time to focus on your business.

Management options

AT&T VPN offers choices in how you manage your

Network, on a per-site basis. You can choose to manage your VPN routers on your premises or have AT&T provide, manage, and maintain them for you. As your requirements change, you can mix and match the management capability on your network, allowing you to choose the option that best fits your needs.

Global end-to-end management

When you choose managed AT&T VPN we can help you streamline the design, deployment, and management of your global network—end-to-end. Our state-of-the-art management system proactively diagnoses your network and solves issues before they become evident to you.

Highly reliable performance

The AT&T Global Network performs consistently on a global basis with the highest levels of availability, enabling all your users to have the same experience when accessing your corporate applications.

Security and business continuity

Fully meshed network provides diversity via IP routing giving you redundancy and simplified disaster recovery. Inherent MPLS network-based security supports the integrity and availability of communications across the network.

Service Level Agreements

Service Level Agreements (SLAs), including site availability, on-time provisioning and network performance, support your mission-critical applications.

AT&T Business Center

Our web-based portal provides you with access to reports on performance and utilization, allowing you to monitor your network and make informed decisions on

CoS traffic allocation and network usage. Dynamically make changes to your network 24/7. Port speed, VLAN, IP, or CoS changes can be completed in near- real time so you can move at the pace your business requires— simple and fast.

Integrating of security services

Enhance security and control

Integrating optional security services, such as cloud-based firewalls or intrusion detection resources, further protects your network from intruders.

The Palo Alto® VM-Series combines next-generation firewall security and advanced threat prevention to protect your IT environments from advanced cyber threats. The VM-Series natively analyzes all traffic in a single pass to determine the application identity, the content within, and the user identity. Palo Alto virtual security also has machine learning capability and scalable architecture.

AT&T FlexWareSM applications integrate virtually seamlessly with your current network infrastructure. To give you all the choice and flexibility you need, we continue to expand our FlexWare app offerings and partner ecosystem. AT&T FlexWare currently supports vRouter, SD-WAN, and virtual security from several best-in-class vendors. AT&T FlexWare seamlessly integrates with services like AT&T VPN.

Intrusion detection assists in detecting and addressing malicious internet-based intrusions. This includes detecting, containing, and addressing known threats from hackers, viruses, and worms that attack IP-enabled endpoints on your network. Such endpoints include servers, laptops, desktops, VoIP systems, network-based printers, and cash registers.

Why AT&T AT&T Business can help identify and implement the technologies you need. As the world of networking gets more complicated and crowded— with seemingly competing technologies— AT&T Business is your trusted advisor.

To learn more about how the new AT&T VPN can help your business build a tailored network solution, contact your representative.