

AT&T Global Security Gateway Select Private Access

Provide highly secure access to applications from virtually any location



Supporting a remote workforce

Mobility and telecommuting trends have been increasing in popularity for some time as employees steadily trade their cubicles for home offices, hotel rooms, or even coffee shops. But the global health event of early 2020 caught many organizations off guard when they found themselves having to support an entirely remote workforce. One lesson widely realized is that business continuity may rely heavily on the ability to support employees working from any location with very little notice.

The first challenge of supporting this work arrangement is making sure that employees have access to the applications and data they need to conduct business. Many organizations have deployed virtual private networks (VPNs) for this purpose, but few built them intending to connect all their users simultaneously.

Modernizing the way that employees connect

Businesses that want to help future-ready their remote access capabilities and maintain visibility across users should give strong consideration to a cloud-based solution that doesn't rely on connecting to the network. Highly-secure application access hosted in the cloud means fewer appliances to purchase and manage but also provides the flexibility businesses need to scale as their requirements change.

AT&T Global Security Gateway Select Private Access is a cloud-native managed service that provides organizations with a way to efficiently connect their employees to the applications they need when working from home or just about anywhere else, while helping to lower risk to the company.

Potential benefits:

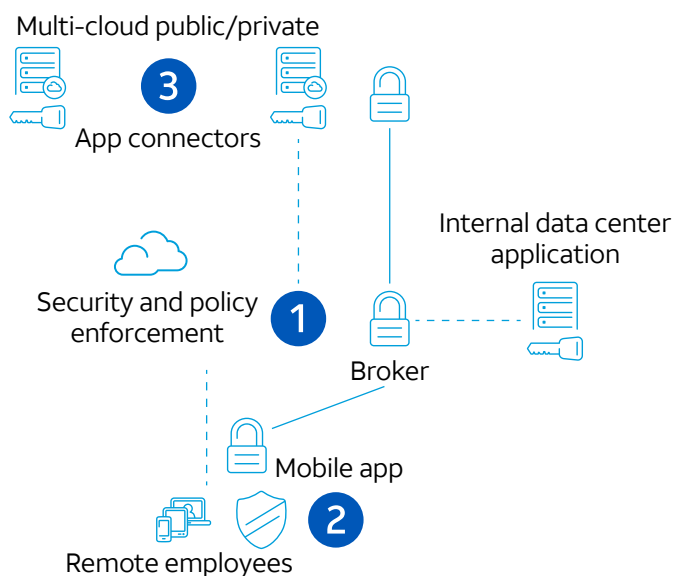
- Enables a remote workforce by providing access to applications needed to work from home or the road
- Offers a better user experience with less latency than many traditional VPN solutions
- Provides visibility into previously undiscovered applications so security policies may be applied
- Helps reduce the possibility of unauthorized access with the ability to grant access to individual applications by role or user
- Limits the reach of ransomware or other malware by not providing access to the network
- Lowers risk of DDoS attack with applications connecting outbound to authorized users; no IP address exposure
- Helps reduce capital expenditures in favor of a more predictable operational expense model with 24x7 managed services from AT&T

Cloud-based application access for today and tomorrow

AT&T Global Security Gateway Select Private Access provides organizations with visibility into what applications users are connecting to, including previously undiscovered programs. With this information, administrators can create comprehensive security policies and grant access to applications by role or user.

Something that sets this solution apart from other traditional remote connectivity technologies is that it creates private tunnels between the individual application and user, without ever connecting to the network. Not having to backhaul traffic to the data center typically provides a faster and improved user experience but restricted network access offers security benefits as well. With this model, users only have access to the applications needed to complete their work, limiting the number of people that can view or save sensitive information. This is particularly useful when providing access to a third party such as a business partner or contractor. In addition, any malware that has made its way onto endpoints has decreased opportunity to move laterally throughout the network and it helps networks lower risk of DDoS attacks since its IP address is never exposed.

How it works



1. GSG Enforcement Node

- Hosted in the cloud
- Used for authentication
- Brokers a highly secure connection between the mobile app and an application connector
- Policies determine if the user has access to the application

2. Mobile application

- Mobile client installed on devices
- Requests access to an application

3. App connector

- Sits in front of apps in a data center, Azure, AWS, and other public cloud services
- Provides inside-out TLS 1.2 connections to broker
- Makes apps invisible to help prevent DDoS attacks

AT&T Global Security Gateway Select Private Access helps businesses prepare for ever-changing work arrangements. Whether employees are working from an office, their home, a hotel, or even a coffee shop, organizations can help provide guardrails on how they access and interact with applications. In turn, employees have the opportunity to work productively without remote access technology slowing them down.

About AT&T Cybersecurity

AT&T Cybersecurity helps to reduce the complexity and cost of fighting cybercrime. Together, the power of the AT&T network, our SaaS-based solutions with advanced technologies including virtualization and actionable threat intelligence from AT&T Alien Labs and the Open Threat Exchange,[™] and our relationship with more than 40 best-of-breed vendors, accelerate your response to cybersecurity threats. Our experienced consultants and SOC analysts help manage your network transformation to reduce cybersecurity risk and overcome the skills gap. Our mission is to be your trusted advisor on your journey to cybersecurity resiliency, making it safer for your business to innovate.

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