AT&T Global Security Gateway

Web security and application access for today's modern workforce

Evolving beyond the confines of the data center

Managing networks and security has never been more complex. Applications are moving out of the data center and into the cloud while employees are trading their cubicles for home offices or even coffee shops. In addition, the majority of today's web traffic is encrypted, which is great for privacy but requires a great deal of bandwidth to inspect. When combined, all of these new demands on the network can result in a serious latency problem.

To keep up with these business initiatives, IT teams must transform their network. Many are moving away from the traditional hub-and-spoke topology in favor of a direct-to-Internet model at branch offices using commodity circuits, then using SD-WAN to optimize the data flows. This approach often improves the performance of the network but forces organizations to rethink their security that relied on traffic being routed through the data center for enforcement.

Unified visibility, application access, and protection

In order to help connect and protect users located in branch offices as well as those working from remote locations, businesses need a solution that extends beyond the traditional network perimeter.

AT&T Global Security Gateway is a managed cloud-native service that can detect and block web-based threats and helps enforce business policies governing user access to the Internet and business applications. It provides a centralized point of security policy management in modern network architectures spanning SD-WAN, cloud, and remote users. This solution can also be used to perform SSL inspection of encrypted web traffic, removing the bandwidth burden from firewalls. With AT&T Global Security Gateway, organizations can help reduce capital expenses associated with physical appliances while the AT&T Security Operations Center handles 24x7 monitoring and maintenance.

Primary use cases

Global Security Gateway helps to:

- Enable rapid adoption of SaaS or cloud-based applications

- Highly secure SD-WAN deployments by protecting users at branch offices

- Gain visibility into Internet and web traffic for virtually all users, devices, and locations

- Provide highly secure access to specific applications by role or by user

- Protect users against viruses, ransomware, and other web-based threats

- Enforce acceptable use policies by restricting what websites can be accessed

- Empower a remote workforce by providing application access and web security from almost any location

- Inspect encrypted web traffic, removing the burden of SSL inspection from firewalls

- Support mergers and acquisitions with highly scalable, cloud-based security

AT&T Global Security Gateway Editions

AT&T Global Security Gateway Select gives organizations unified protection against web-based threats across users by restricting what sites they can access. Extending far beyond simple URL filters, it utilizes dozens of threat intelligence sources to help protect users against the latest viruses, spyware, and other types of malware. Some editions also help protect against zero-day threats with sandboxing technology or data loss prevention (DLP) and cloud-access security broker (CASB) functionality, in one converged platform.

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

AT&T Global Security Gateway Premium offers unified network and web security, that helps enable highly secure access as well as protection of users, applications, and data from virtually any location. This solution combines the capabilities of a next-generation firewall, DNS security, secure web gateway, VPN, zero-trust network access, data loss prevention, and more into one platform, while providing centralized visibility and management using one pane-of-glass.

Managed security service benefits

AT&T Global Security Gateway includes deployment, ongoing maintenance, and 24x7 monitoring by the AT&T Security Network Operations Center. This helps alleviate the cybersecurity skill shortage, as well as the burden of daily operations and troubleshooting, at a cost than is often lower than hiring a specialist in-house.

Deployment strategy and execution

- Rapid deployment completed by certified engineers that collaborate with customer on solution architecture and security policy design
- Testing and troubleshooting of traffic forwarding and security controls

Comprehensive visibility

- Dashboards that provide a consolidated view of customer's unique environment
- Detailed drill-downs by location, user, and device
- Automated or on-demand reporting
- Ability to share syslog data with AT&T USM Anywhere and integration with AlienApps for unified event visibility

AT&T managed or co-management models

- With AT&T managed solution, all change requests and troubleshooting support provided by certified cloud operations specialists
- Co-management provides customers with the flexibility to process changes to security policies, access controls, and firewall rules through self-service portal or request changes to be processed by the AT&T Cloud Operations Team*
- Ongoing contact between AT&T Cloud Operations Team and technology providers to upgrade and maintain solution
- Support future service delivery needs including feature turn ups or security architecture updates

* Co-management includes six MSS supported change requests

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About AT&T Cybersecurity
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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.