

The zero trust solution for today's digital enterprise

AT&T and Zscaler deliver fast, seamless, and secure access wherever business is conducted



Potential benefits

Reduce IT cost and complexity with a scalable platform that is easy to manage and deploy without VPNs or complex firewalls

Securely connect authorized users directly to applications without placing them on the corporate network

Minimize the attack surface by making applications invisible and accessible only by authorized users

Enable consistent security policy and enforcement across users, devices, and locations

Deliver a great user experience by connecting users directly to cloud applications via the shortest path to their resource destination

Relieve burden on in-house technology teams with managed services that include deployment, security policy design, maintenance, 24/7 monitoring and help desk support

New ways of working are increasing the attack surface

Digitally transforming an enterprise involves moving applications from the data center into software-as-a-service (SaaS), public cloud, and private cloud applications. At the same time, workforces are accessing those applications from branch locations, home offices, coffee shops, and while on the road. The result? Data is everywhere—it is widely distributed across locations, cloud vendors, and a variety of devices. This means the perimeter as we know it has dissolved, while the attack surface has drastically expanded.

Perimeter-based security is no longer enough

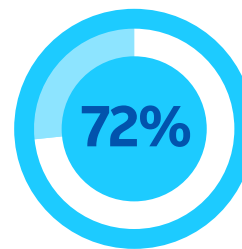
With applications moving to the cloud, legacy castle-and-moat security architectures are no longer viable. Network-centric architectures cannot protect users once they leave the corporate perimeter, and may expose the business to lateral movement and insider threats. Requiring users to connect to a virtual private network (VPN) or backhauling traffic from branch offices to corporate data centers can be expensive and slow, adding operational complexity and increased risk of data loss. A new approach to networking and security must provide for consistent policies across users, wherever they connect.

The future lies in zero trust

To protect against emerging threats while enabling fast and secure connectivity from anywhere, many technology teams are adopting a zero trust model.

But what is zero trust?

- Zero trust is a holistic approach to securing modern organizations based upon least-privileged access
- Access decisions are made based upon identity and context
- All traffic is assumed to be malicious, and no user or application is inherently trusted



72% of companies are prioritizing the adoption of a zero trust model¹

AT&T and Zscaler: A seamless approach to zero trust for your enterprise

Together, AT&T and Zscaler enable organizations to embrace digital transformation by connecting users to the applications and resources they need to be productive, while delivering uncompromised threat protection and preventing data loss. Zero trust solutions from AT&T powered by Zscaler are built upon three core principles:

1. Securely connect users to applications and resources, not the corporate network

Unlike traditional VPNs and firewalls, zero trust solutions from AT&T powered by Zscaler, securely connect authenticated users directly to permitted applications and resources based upon identity, context, and granular access and security policies—without putting users on the corporate network. This approach limits access and prevents network resources from being exposed to the internet and risks such as distributed denial-of-service (DDoS) or other targeted attacks.

2. Minimize the attack surface, make applications invisible to the internet

Traditional firewalls publish applications to the internet so users can easily find them. Unfortunately, hackers use this to their advantage. Zero trust solutions by AT&T powered by Zscaler make applications invisible to adversaries by concealing source identities and obfuscating Internet Protocol (IP) addresses. Applications are accessible only by authorized users, protecting the network and providing secure access to applications—whenever and wherever users connect.

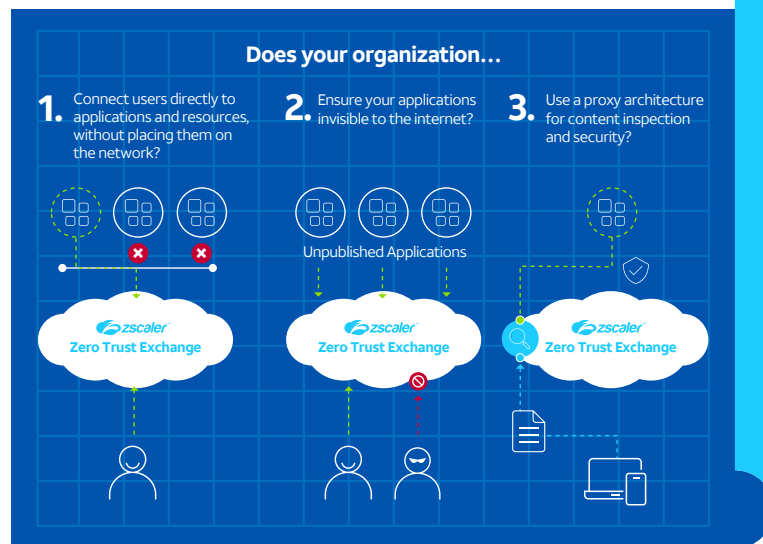
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3. Use a proxy architecture, not a passthrough firewall, for content inspection and security

The “passthrough” approach of next-generation firewalls may allow unrecognized content to reach its destination before analysis is complete, in order to preserve network bandwidth. These firewalls may also encounter severe performance impacts when inspecting encrypted traffic, prompting many organizations to disable them. Zero trust solutions from AT&T powered by Zscaler, solve for these challenges with a proxy architecture designed to inspect Secure Sockets Layer (SSL) encrypted traffic inline and at scale, before allowing traffic to move on to its destination. Businesses achieve effective cyberthreat protection and data loss prevention, without slowing down user productivity, regardless of where users connect.

Are you ready for zero trust?



Accelerate your digital transformation with zero trust solutions from AT&T powered by Zscaler:

The flexibility of AT&T managed services combined with the force of Zscaler technology enable better business outcomes:

Reducing complexity – Offered as a 24x7 managed service, with centralized visibility and the ability to apply unified policies across users

Minimizing the attack surface – Hides source identities and avoids placing users on the network – adversaries cannot attack what they cannot see

Enabling highly secure work-from-anywhere – Authenticating users based upon identity, context, and granular access means they can conduct business under the same security policies as corporate users

Helping prevent data loss – Administrators gain visibility into what data center and cloud-based applications are in use, so access and sharing permissions may be applied

Delivering superior user experience – Provides a fast and frictionless experience to branch and remote users by providing consistent access and shortest logical paths to resources, without routing traffic through the data center

Protecting against advanced cyberthreats – Security is enforced inline and in close proximity to the user, with full SSL decryption and cyberthreat protection across users, cloud workloads, servers, and SaaS applications

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AT&T Secure Remote Access, powered by Zscaler

- Zero trust network access (ZTNA)
- Discover and secure shadow IT applications
- Segment by application, not network

AT&T Secure Remote Access, powered by Zscaler provides organizations with a way to efficiently connect their employees or third-party vendors directly to the applications and data they need to work from anywhere. This is accomplished without using a VPN to connect to the corporate network, so users get a faster, more enjoyable experience, while organizations reduce the risk of security breach or data loss.

AT&T Secure Web Gateway, powered by Zscaler

- Threat protection
- Cloud-access security broker (CASB)
- Data loss prevention (DLP)

With AT&T Secure Web Gateway, powered by Zscaler, administrators help protect users and enforce acceptable use policy by restricting what websites and SaaS applications they may access. Full SSL decryption and inline inspection of traffic is conducted in the cloud, removing this burden from firewalls and protecting organizations from concealed malware seeking to bypass perimeter based security controls.

AT&T Managed Security Services

- Comprehensive visibility
- Fully managed or co-managed models

AT&T Managed Security Services can help alleviate the cybersecurity skills shortage and burden of day-to-day management with flexible options to fit the unique needs of businesses of all sizes—from small-to-medium to enterprises. Services include deployment, security policy design, 24x7 monitoring and help desk support, as well as ongoing maintenance.

Contact your AT&T account manager to learn more about how zero trust solutions from AT&T powered by Zscaler can help you accelerate your digital transformation and improve security across your entire business ecosystem.

To learn more about **AT&T Secure Remote Access, powered by Zscaler:**
<https://cybersecurity.att.com/products/secure-remote-access>

To learn more about **AT&T Secure Web Gateway, powered by Zscaler:**
<https://cybersecurity.att.com/products/secure-web-gateway>

AT&T Cybersecurity

AT&T Cybersecurity helps reduce the complexity and cost of fighting cybercrime. Together, the power of the AT&T network, our Software-as-a-Service (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 help accelerate your response to cybersecurity threats. Our experienced consultants and Security Operations Center (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.

1.Cyber Security Insiders, "2021 VPN Risk Report" (<https://info.zscaler.com/resources-industry-reports-vpn-risk-report-cybersecurity-insiders>)

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