Help safeguard remote workers, applications and data with SASE

In a work-anywhere world, users need secure connections to data and applications, no matter where they're located.

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Today, your IT staff must securely connect people anywhere, anytime, with streamlined access to data and applications from any device. The evolution of network models and the adoption of cloud technologies has enabled organizations to embrace work from anywhere.

However, the resulting diversity of network endpoints and constant switching of user devices, applications and locations has dramatically expanded the potential attack surface. Guarding against those threats demands a new approach.

The people accessing your data and applications also expect a modern digital experience that legacy networking frameworks for remote work can struggle to meet. Secure access service edge (SASE) can empower your IT team to easily deploy streamlined access that supports productivity and meets current performance expectations while protecting users from increasingly sophisticated threats. SASE combines a software-defined wide area network (SD-WAN) with advanced security technologies. This framework can shift the paradigm from securing the network perimeter to a layered approach that converges networking and security as a managed service. It enables zero trust architecture, supports cloud-based control of security and compliance policies and allows your users to securely connect in the cloud without increasing the IT burden or adding complexity that can drive frustration and hamper productivity.

>70%
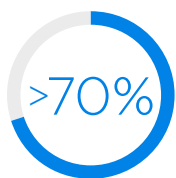
of companies are migrating strategic workloads to the cloud.[1]

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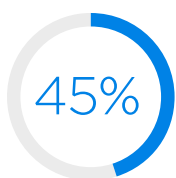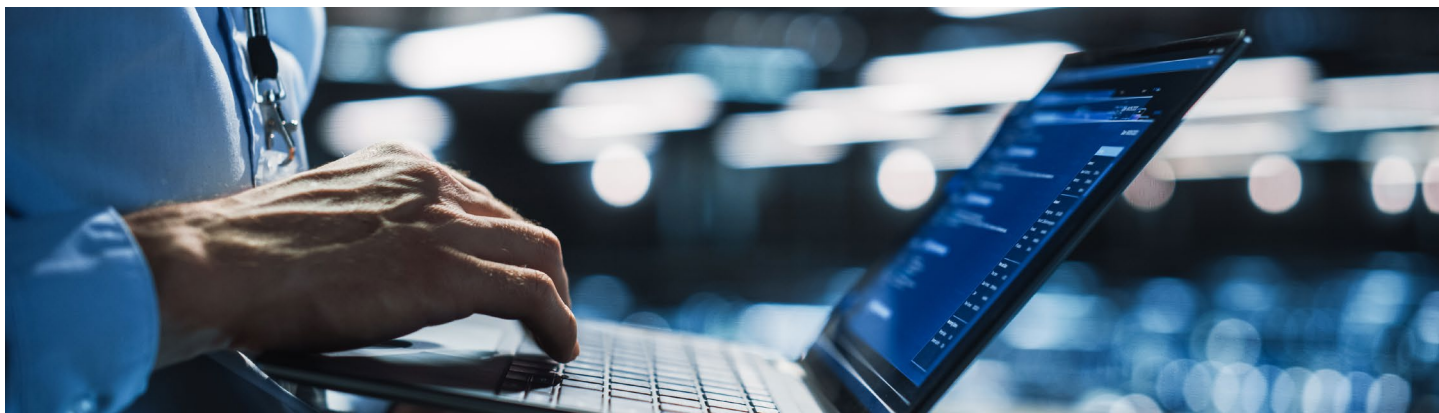
45%

of data breaches in 2022
occurred in the cloud.[2]

What is zero trust network access?

A component of zero trust
architecture, ZTNA only
grants access to network
resources with continuous
verification of information
such as user ID, device
identity and location — as
opposed to previous security
practices that assume a user
is trustworthy after they're
logged in.

SASE extends your security perimeter to the cloud

As business models evolve and more business applications and data move
off-site, traditional security approaches can be challenged to meet current
user expectations or guard against today's threats. Perimeter-based firewalls,
remote-access virtual private networks (VPNs) and routing internet traffic
back to a central data center to apply security policies can slow user access
to essential data and applications. A security strategy focused primarily on
protecting the corporate network can also leave organizations vulnerable
to malware and other attempts to compromise credentials that originate in
applications or devices outside IT's control.

Adopting a SASE model can support network modernization by smoothing
your transition to cloud architecture, improving overall network performance
and management of your network and providing comprehensive security for
your users wherever they are and however they connect to your network.

Implementing a SASE-orientated solution from a trusted provider can
help ease multiple challenges by providing a comprehensive, flexible and
cost-effective approach to managing network and security needs — freeing
your IT to focus on other critical aspects of your organization.

Support remote work: Increased remote work has led to more use of
cloud applications and services. SASE provides secure access to cloud
applications and services for employees, customers and partners from
any location without a traditional VPN.

Reduce network complexity: Managing multiple networking and
security solutions from different vendors can be challenging. SASE
combines an SD-WAN with network security technologies provided by
a single partner for more efficient IT operations.

Optimize user experience: With traditional networking and security
solutions, employees can experience slow application performance
as more of their work relies on internet-based resources outside the
network. SASE addresses this issue by providing optimized and secure
access to cloud applications and services from any location.

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SASE helps connect users securely anywhere, anytime

Adopting managed SASE solutions can help your IT team effectively and efficiently secure the expanded attack surface created by a flexible cloud environment and constantly changing network endpoints. It supports streamlined connectivity for your users while solving common security and IT challenges.

Challenge	Solution
Providing secure network access for hybrid and remote users from any location at any time and satisfying security compliance requirements.	Establish secure access policies by user and device regardless of location with multi-factor authentication (MFA) and employ secure web gateways (SWGs) to monitor threats and adapt security policies to mitigate security risks before they impact your organization.
Making applications and other resources available to optimize user productivity.	Provide a streamlined, consistent, low-latency user experience. Establish secure and fast access to cloud-based applications — without backhauling remote traffic to the data center — through a cloud access security broker (CASB) that manages and enforces data security policies and practices regardless of the user's location or device.
Guarding data and applications from threats at multiple access points.	Employ MFA to confirm the identity of users and their devices before they access your networks, corporate assets or cloud applications.
Adapting to a constantly changing attack surface driven by bring your own device (BYOD) policies.	Gain visibility of users, their devices and how they access applications so IT can flag potential risks and block or notify users to update outdated software.
Overseeing and provisioning more users and devices quickly and efficiently.	Configure, manage and monitor your users, services and devices across the network and deploy updates down to the user level via a single interface.
Strengthening defenses and, if attackers gain access, thwarting them from moving laterally within data and systems.	Deliver MFA for separate applications and data environments so that even if an attacker passes one verification point (a firewall or login), they cannot access your other sensitive data.
Managing multiple vendors and securing access to data and applications in the data center, internet and public clouds.	Simplify your IT infrastructure by delivering firewall as a service (FWaaS) as a cloud-based, single-provider service that guards your entire network and is always up to date with the highest level of protection against emerging threats.

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Manage security challenges with the right partner

Organizations are moving to new network models as they adopt cloud technologies to support evolving business needs. While the cloud enables work from anywhere, it introduces new risks to legacy networks. Navigating this expansion of capabilities while keeping users, data and applications secure can be daunting for IT staff. However, adopting a SASE framework with technologies from a trusted provider can save IT teams from multiple challenges and streamline their work.

Provide your organization with comprehensive, flexible and cost-effective solutions for managing your network to support productivity, strengthen security, speed deployment and simplify the user experience by combining industry-leading SASE technology solutions with an experienced managed service provider. Partner with Spectrum Enterprise® to enhance and simplify security across your cloud environment and for your on-premises and distributed users.

<div style="border:1px solid #00a">**Learn more**</div>

1. "KPMG Global Tech Report 2022," KPMG, September 2022.
2. "Cost of a Data Breach 2022," Ponemon Institute and IBM Security, July 2022.

About Spectrum Enterprise
Spectrum Enterprise, a part of Charter Communications, Inc., is a national provider of scalable, fiber technology solutions serving many of America's largest businesses and communications service providers. The broad Spectrum Enterprise portfolio includes networking and managed services solutions: Internet access, Ethernet access and networks, Voice and TV solutions. The Spectrum Enterprise team of experts works closely with clients to achieve greater business success by providing solutions designed to meet their evolving needs. For more information, visit enterprise.spectrum.com.

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