GUIDE

Is your security evolving with you?

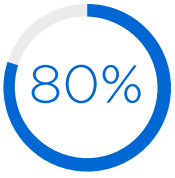
Safeguard your business with customized solutions built for the cloud and remote work

Companies have dramatically changed where and how they work. While this has unlocked new opportunities for efficiency and growth, it has also created new vulnerabilities.

The number of employees working offsite has exploded in recent years, with 76% of individuals who can perform their jobs remotely doing so at least some of the time.[1] What's more, these modern mobile workers likely rely on multiple devices for work, some company-provided, others personal.

At the same time, organizations are increasingly moving away from the protection and performance of traditional private networks, turning instead to cloud-based and software as a service (SaaS) applications to conduct and manage their business. That means new partnerships and endpoints, adding complexity and risk. For industries like healthcare, government and finance, it can also mean new cybersecurity insurance and regulatory demands.

A complete enterprise security strategy requires seeing the big picture. Companies must adopt new ways to manage risks across all connections, endpoints and locations.



of enterprises will adopt a strategy to unify web, cloud services and private application access using a single vendor's SSE platform by 2025.[3]

Harnessing secure access service edge (SASE)

Today, approximately 80% of organizations cite security as a top cloud challenge.[2] Protecting users, data and systems now requires a different approach, tools and technologies. These solutions are typically offered as cloud-delivered managed services that can safeguard internal networks, users, devices and applications.

For a growing number of companies, the right security response is grounded in SASE — a model that converges networking and security, representing the next generation of cybersecurity for an increasingly dispersed technology environment. SASE brings together SD-WAN for unified access and network controls and secure service edge (SSE), which is a cloud-based security platform centered on the identity of users, devices and operations.

Spectrum ENTERPRISE®

Empower IT with cloud-based security

Spectrum Enterprise® is a leading networking services provider that offers a complete portfolio of SASE solutions to make it easier to deliver defense in depth while creating a unified security policy. IT administrators also benefit from improved visibility into their networks from a single portal, providing control across the entire enterprise.

Cloud Security with Cisco+ Secure Connect

As you move to cloud-based architectures, steps must be taken to ensure your data is protected as it travels beyond the safeguards of your premises to the internet. You can simplify the way you implement security priorities across every cloud and device with one centralized, streamlined platform.

With Cloud Security, you no longer need to backhaul remote traffic through the corporate LAN to apply security policies, which can reduce latency and enhance the user experience. For resource-constrained IT teams, administrators also get immediate visibility into user activity, network traffic, devices and potential threats using a single portal. This improved oversight helps protect against data loss and regulatory violations in an increasingly complex hybrid cloud environment.

Cloud Security can help your organization apply multiple elements of SASE with a single solution that can be integrated and maintained for a simpler, stronger security experience.

Capabilities	Description
Zero trust network access (ZTNA)	• Establish zero trust access to clouds and networks based on authorized network, end-user location, group or device security health. • Enforce security measures and device postures for corporate and personal devices.
Secure web gateway (SWG)	• Help stop malware and advanced threats with a cloud-based proxy that can offer URL filtering, malicious code detection and controls for web-based applications. • Enforce your corporate and regulatory policy compliance.
DNS-layer security	• Categorize and block traffic to stop malware threats before they reach your network. • Prevent callbacks to attackers if infected machines connect to your network.
Cloud access security broker (CASB)	• Expose shadow IT by detecting all cloud applications in use across your organization. • Improve the rollout of cloud adoption and reduce risk with visibility into vendors and activity volume.
Cloud firewall	• Easily apply and manage firewall protection for employees, regardless of location. • Log all user activity and block unwanted traffic using IP, port and protocol rules applied across any network device.

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Secure Access with Cisco Duo

By adopting this powerful authentication technology, you can protect employees by empowering your IT staff to establish more secure access policies by user and device, regardless of location. The solution helps you achieve consistent, secure authentication across your cloud applications while strengthening security for bring your own device (BYOD) policies and remote work.

With Secure Access, you can help protect your business against data loss, regulatory violations and unauthorized access to sensitive systems. The solution also simplifies implementation of cloud and distributed architectures and helps deliver a streamlined, consistent experience for employees using cloud resources and virtual private networks.

Capabilities	Description
Multi-factor authentication (MFA)	• Confirm user identities using multiple verification methods to help protect the network from attacks that use stolen or compromised credentials. • Secure customer data and help meet the requirements of HIPAA, PCI DSS, SOC 2 and other industry regulations. • Provide secure network access for hybrid and remote users from any location at any time.
Push authentication notifications	• Use the Duo Mobile app with Duo Push, or other available authentication options, to help prevent attackers from bypassing MFA with phishing attacks. • Protect your organization in the event a user's primary credentials are stolen and used to log in.
Passwordless authentication	• Use your existing single sign-on solution, mobile device PIN or biometric data to enable frictionless logins for users. • Create a centralized authentication system that makes it easier to manage and secure online accounts.
Admin portal	• View and manage access for all users and devices — including BYOD endpoints — in a single dashboard. • Monitor the usage of all users from the portal to identify security risks.

Managed network services

Integrate your network with Spectrum Enterprise managed services for defense in depth across your organization. Modular, all-in-one platforms help you simplify the deployment and management of your network with advanced security and the flexibility to support hybrid architectures and multi-cloud strategies.

Enterprise Network Edge

Designed for enterprise businesses, our advanced networking platform provides sophisticated configuration and a managed, secure SD-WAN to deliver exceptional performance. Enterprise Network Edge also integrates with legacy networks and helps minimize administrative overhead. The solution enables you to support your high-capacity data center connections, large workloads and hybrid SD-WAN networks, or seamlessly integrate public clouds and reduce reliance on legacy networks.

Managed Network Edge

Delivered over the Cisco Meraki platform, Managed Network Edge is a secure, all-in-one networking solution that is tailored to your needs. Developed for multi-site and single-site organizations that require security-first networking, Managed Network Edge empowers you to transition to a hybrid network architecture built around advanced SD-WAN technologies. The solution also offers switching, a firewall, wireless networking, smart cameras and environmental sensors.

Managed Network Edge can reduce administrative demands via automated updates, an intuitive management portal and fully or co-managed options for deployment and operation. Unified threat management capabilities add additional layers of network security as part of a better overall digital experience.

DDoS Protection

Distributed denial of service (DDoS) attacks are designed to flood connectivity to your network, application or services so your intended users cannot access their resources. An effective DDoS solution identifies and stops malicious traffic before it reaches your network. DDoS Protection from Spectrum Enterprise is a scalable solution that easily and seamlessly expands as your needs grow, offering:

- **Fast resolution:** Quickly and automatically detect, redirect and mitigate malicious traffic, minimizing the impact of attacks.
- **Adaptive evaluation:** Comprehensive traffic analysis that uses advanced analytics identifies anomalies indicating an attack, specific to traffic flow at each client location.
- **Continuous support:** An always available, single point of contact connects clients directly to our network and security experts for swift issue resolution.

Spectrum ENTERPRISE®

Secure the benefits of working with a trusted partner

The right partner can offer managed cloud security services that enable your organization to rethink its cybersecurity strategy and automate protection and governance. Security services help address challenges through customized, managed solutions that evolve with your business.

High-performance connectivity and security products also provide employees and other stakeholders safe, secure access to information and applications on private networks and public clouds. With Spectrum Enterprise, you can transform your network in a cost-effective manner by partnering with a single provider that tailors security strategies to your needs.

Consult with experts and explore professional integration services to determine the optimal configuration for your needs with solutions backed by 100%, 24/7/365 U.S.-based support.

Learn more

1. Kim Parker, "About a Third of U.S. Workers Who Can Work from Home Now Do So All the Time," Pew Research Center, March 30, 2023.
2. "2024 State of the Cloud Report," Flexera, March 20, 2023.
3. "Gartner Unveils the Top Eight Cybersecurity Predictions for 2022-23," Gartner press release, June 21, 2022. Gartner is a registered trademark and service mark of Gartner, Inc. and/or its affiliates in the U.S. and internationally and is used herein with permission. All rights reserved.

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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