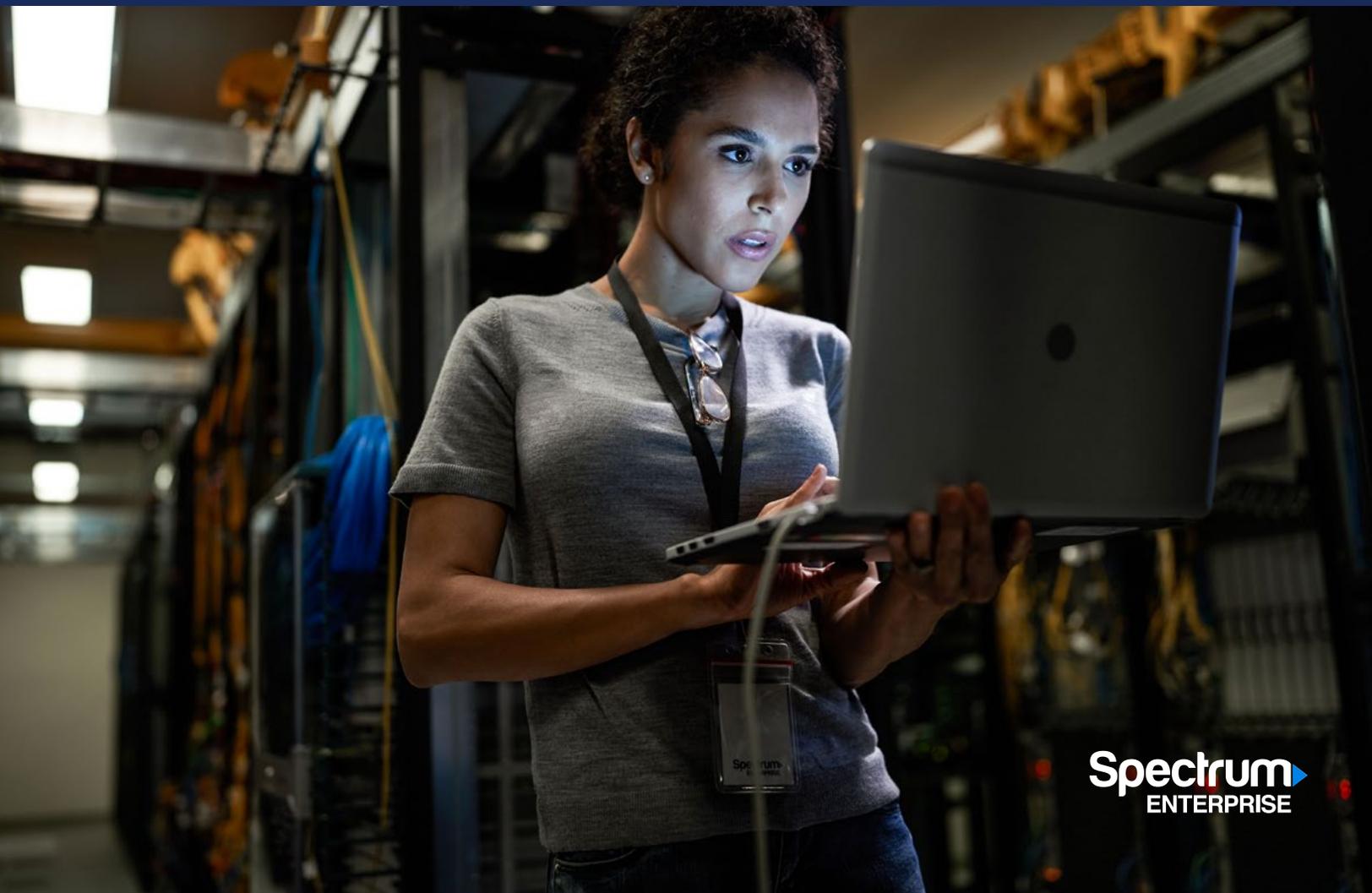


ACCELERATE YOUR IT WITH MANAGED SERVICES



Modernize your network with managed services that free up staff to focus on value-added innovation.

Organizations are accelerating digital transformation to drive long-term growth and profitability. They need the latest technologies to keep pace with rapid changes, such as increased migration to the cloud, growth of the Internet of Things (IoT), increased remote work and ongoing shifts toward lean IT. Your organization can gain a lot from digital transformation, including both efficiency and revenue benefits. To maximize the value of these efforts, you need a modern network and the ability to maintain the focus of your IT staff on strategic endeavors.

Managed services provide a cost-effective way to help you meet your technology needs while releasing your staff for other priorities. Not only can managed services convert capital expense (Capex) into operational expense (Opex) opportunities, it can also save on hiring, training and salary expenses for additional IT staff. And because Spectrum Enterprise handles management and updates to your network environment, you can avoid errors that might otherwise jeopardize security and productivity, potentially resulting in network downtime.

Spectrum Enterprise is an experienced network partner that delivers an ongoing consultative approach to design, implement and manage the right solution for your technical and business needs today and into the future. We are a partner that is fully vested in your success and can help you achieve your business objectives with our award-winning, end-to-end technology solutions and support – making IT infrastructure management easier.

Continue reading to discover the benefits delivered by the managed services from Spectrum Enterprise.



Managed Network Edge supports growing bandwidth demands and optimizes network resources to improve application performance.

Simplify networking: Managed Network Edge

The Spectrum Enterprise Managed Network Edge service, delivered with the Cisco Meraki platform, offers a modular, all-in-one solution to help address the complex network challenges you face every day — providing flexibility, security and scalability. The service brings together equipment, connectivity and network management in a ready-to-deploy package that is designed to meet the immediate and long-term needs of your business.

Managed Network Edge provides services such as security and routing to connect employees safely and reliably to the internet and cloud applications. As business needs evolve, you can add additional services, like WiFi to support employees and guests; switches to gain more control over your LAN; or cameras for added security or behavioral insights. As you add them, the new services integrate seamlessly with the services already purchased with this solution.

Managed Network Edge supports growing bandwidth demands, optimizes network resources for application performance and easily scales as your business operations expand to new locations.

Read the executive brief to discover how Managed Network Edge brings together equipment, connectivity and network management in a ready-to-deploy package designed to drive your business.

As you bring new sites online, Spectrum Enterprise will partner with you to determine the right connectivity for each location. We can provide flexible connection options such as our dedicated Fiber Internet Access, broadband and wireless. Best of all, we can manage the connections for you as part of the Managed Network Edge service or you can bring your own connectivity, if you prefer.

Optimize WAN performance: Managed SD-WAN

The successive demands placed on your wide area network by new initiatives — from cloud computing to mobility to collaboration — emphasize the need for flexible, reliable networks and making optimal use of bandwidth. Managed SD-WAN helps meet those requirements by dynamically managing network traffic to optimize performance. The service continuously monitors and evaluates the usage of network resources, routing traffic intelligently across all available connectivity options.

Because Managed SD-WAN is application-aware, it can prioritize specific traffic flows for preferential routing treatment. This ability helps your organization deliver on responsiveness, security and other requirements for critical applications. At the same time, Managed SD-WAN enhances utilization

The Managed SD-WAN service from Spectrum Enterprise is Metro Ethernet Forum (MEF) 3.0 certified, an assurance that validates the conformance of its services to MEF global standards.

levels of available connections, increasing cost efficiency. The service also provides visibility to IT Ops teams with a centralized portal and ongoing support offerings.

The Managed SD-WAN service from Spectrum Enterprise is Metro Ethernet Forum (MEF) 3.0 certified, an assurance that validates the conformance of its services to MEF global standards. This certification gives you added confidence in the solution's quality and integrity.

Read the white paper to understand why CxOs are becoming more focused on SD-WAN for the infrastructure they need as cloud-based applications and workloads become more prevalent.

As a managed service, Spectrum Enterprise Managed SD-WAN offers the additional benefit of reducing the complexity of implementation, extending the capabilities and availability of your team and ensuring business continuity with the full-time support of a single, trusted partner.



Protect your business: Managed Security Service

Day by day, cybersecurity threats become more prevalent and more complex. Fielding the expertise and resources to protect your network is a constant challenge. To help protect your business, Spectrum Enterprise provides design, implementation and monitoring measures. By taking those roles on in place of your internal teams, the service enables you to assign personnel to other tasks while also getting state-of-the-art protection for your network and data.

Managed Security Service from Spectrum Enterprise implements and maintains a firewall and unified threat management (UTM) service.



of business leaders feel their cybersecurity risks are increasing.¹

Drawing on a cloud-based intelligence network, DDoS Protection from Spectrum Enterprise analyzes network activity to automatically detect attacks.

This offering provides a range of security functions, including the stateful firewall, intrusion prevention and detection, deep packet inspection, VPN tunneling and malware protection. The Managed Security Service portal provides insights on threats, security events and activity by users and applications.

To help protect your organization against evolving cyberthreats, Managed Security Service ensures timely application of software updates and security patches, without occupying internal resources.

In addition to providing comprehensive protection for your organization, Managed Security Service also includes expert support to meet emerging challenges and circumstances. Equally as important, it standardizes the security posture across all of your network locations and business units, nationwide, for a unified line of defense.

Read the guide to learn how to protect your network as remote workers increase the number of vulnerable devices accessing your corporate resources.

Managed Security Service streamlines compliance with regulatory mandates by providing secure logging and tracking of events and resolutions to provide an audit trail.

Guard against volumetric attacks: DDoS Protection

Distributed denial of service (DDoS) is a type of attack that maliciously overwhelms a network, application or service with a massive flood of requests. Sustained overloading in a DDoS attack can occupy all of a resource's capacity, interfering with legitimate access.

Drawing on a cloud-based intelligence network, DDoS Protection from Spectrum Enterprise analyzes network activity to automatically detect attacks. To mitigate DDoS attacks, the service automatically reroutes traffic to a secure, cloud-based scrubbing center. Spectrum Enterprise filters out the malicious traffic and passes the clean traffic on to you.

DDoS Protection uses machine learning to provide adaptive traffic evaluation that quickly and automatically detects suspicious anomalies. It is based on algorithms built for high speed and accuracy, helping optimize responsiveness and minimize impacts. You also have 24/7/365 access to DDoS experts at Spectrum Enterprise for additional support and assistance.

Read the executive brief to find out how to protect your network with distributed denial of service threat identification and mitigation.

An online portal gives you visibility into current and past attacks, with robust reporting of incident details such as the scope of the attack, countermeasures applied and the resources affected. This information keeps decision makers informed about attacks and contributes to network and security planning.

Accelerate traffic flows: Managed Router Service

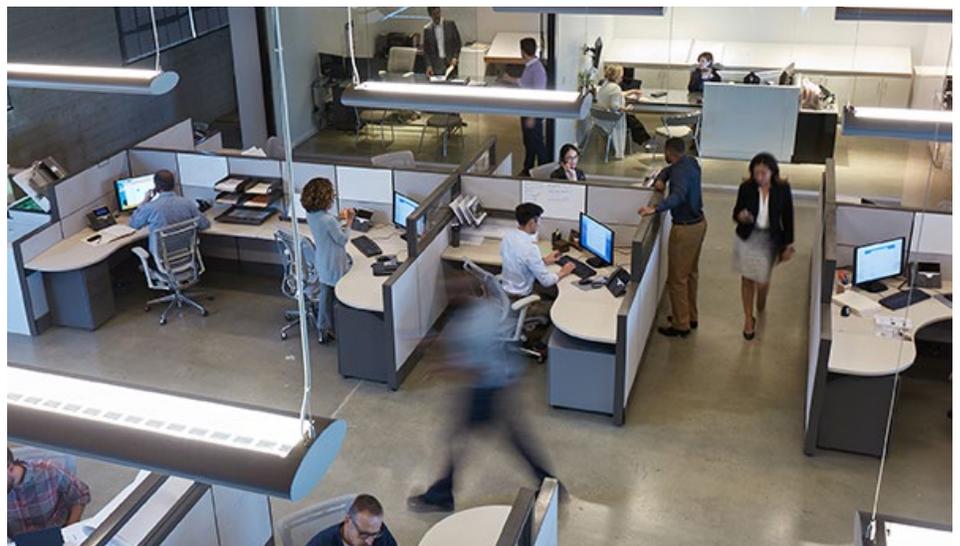
Managing routers to provide consistently reliable and high-performance connectivity among your WAN locations is critical to the business. Unfortunately, those requirements can make it difficult to focus on more strategic initiatives. Managed Router Service from Spectrum Enterprise eliminates that burden and takes on the broader router implementation cycle with a single offering that integrates router equipment, network design, installation, configuration, updates and support.

Adopting the Managed Router Service can help your network deliver excellent uptime and responsiveness while reducing the effort needed from internal teams. Equipment is always up to date, monitored and expertly managed for business-critical reliability and uptime. Because the service lets you offload network support requirements, you can apply staff resources to more strategic projects.

The Managed Router Service portal is a web-based dashboard that gives you protected access to network visibility and data insights across the routers on your network. It provides information about your network topology and drills down into traffic and devices. Using performance statistics and other indicators from the portal, you can generate analytical reports that power data-driven decision making.

Review the product brief to learn how a managed wide area network (WAN) routing solution can deliver high availability, performance and reliability for your business.

Managed Router Service streamlines adding bandwidth and advanced capabilities such as quality of service, auto-failover and high availability to your WAN, keeping you ready for future needs.



Ensure consistent, high-quality wireless network connectivity: Managed WiFi

Providing fast, dependable WiFi for end users can take up significant IT staff resources, just for day-to-day management and support. Without the in-house expertise to design optimal wireless network coverage, many organizations are forced to buy, deploy and maintain more equipment than they need. Managed WiFi from Spectrum Enterprise is a turnkey service that includes end-to-end design, implementation and management for wireless networks, eliminating that burden for your IT staff.

Managed WiFi gives you the tools to enhance the end-user experience.

This managed service provides and maintains optimized WiFi connectivity across all of your business locations, including engineering support to extend WiFi wherever it's needed, inside or out. The Managed WiFi portal provides your network operations team with ongoing insight about wireless network health and performance. In addition to having network utilization statistics at their fingertips, both technical staff and management can generate reports across equipment, locations and session logs.

Managed WiFi is based on advanced equipment that uses bandwidth effectively and provides a strong, steady, dependable signal for your users. These components are monitored by network experts to maintain uptime and security. The solution stays up-to-date with no effort from your teams, and it is built to be modular and scalable, easily adding access points when needed. Maintenance expenses and capital overhead disappear, leaving a single, predictable monthly charge as the only cost.

[Read the blog](#) to see how reliable, high-performance WiFi can be a valuable selling point, even for a business where you might least expect it — a water park.

Managed WiFi gives you the tools to enhance the end-user experience. Beyond the core offering of fast, dependable connectivity, Managed WiFi also provides customized, branded landing and authentication pages. In addition, you can allocate and prioritize bandwidth to specific users, devices or traffic types, helping you meet service-level objectives for critical operations and provide better service to the business as a whole.

Conclusion

Being an IT leader has never been easy, and both the challenges and the opportunities continue to grow. Managed services can reduce the complexity of network modernization, which is critical to improving reliability and security for your users. Whether your organization is looking to add new capabilities and services or needs to modernize and optimize your existing network infrastructure, Spectrum Enterprise can help reduce the burden on your resources.

Partnering with Spectrum Enterprise to implement managed services can help you meet these challenges more effectively while mitigating IT risk and promoting stability, profitability and growth for your organization.

Take the next step to power your organization with reliable internet and networking services.



1. "134 Cybersecurity Statistics and Trends for 2021." Inside Out Security Blog, Rob Sobers, March 16, 2021. <https://www.varonis.com/blog/cybersecurity-statistics/>

About Spectrum Enterprise

Spectrum Enterprise, part of Charter Communications, Inc., is a national provider of scalable, fiber technology solutions serving 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. Spectrum Enterprise's industry-leading team of experts works closely with clients to achieve greater business success by providing solutions designed to meet their evolving needs. More information about Spectrum Enterprise can be found at enterprise.spectrum.com.

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