

Enhance business continuity with high-capacity bandwidth





Offsite backups are only as good as your ability to access them quickly. Any strategy to modernize your network and strengthen business continuity should consider the bandwidth required for rapid restoration of data from private and public clouds after a disruption.

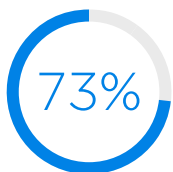
As part of Charter Communications, a Fortune 100 company, Spectrum Enterprise continues to invest in our network and expand our reach to offer high-capacity capabilities that help organizations move more data, more efficiently. From 2016 – 2020 alone, Charter Communications invested nearly \$40 billion in infrastructure and technology. We provide dedicated internet access and Ethernet at speeds up to 100 Gbps to restore data quickly. Our collaborative approach to network modernization brings additional resources and expertise for IT teams to make the most of limited time and budgets.

In this executive brief, we explore ways the high-capacity bandwidth of our Fiber Internet Access and Ethernet Services can support your business continuity and disaster recovery (BCDR) strategy.

Create a more resilient network

With more mission-critical applications and processes in the cloud, access to backup data during a network disruption has become even more essential. A recent study found that nearly two-fifths of IT leaders in the U.S. reported losing more than \$1 million in the past 12 months due to network outages.¹ In fact, network resilience has become the top priority for 73 percent of IT departments.² Organizations need to recalibrate their networks to ensure reliable connectivity with the capacity to rapidly restore their operations in the event of an outage.

Every moment that employees are without data takes a toll on operational efficiency and cost. High-capacity circuits can be used to reinforce network resiliency by enabling fast offsite backups and restoration of data. IT teams can also quickly transport large traffic loads between locations and data centers after a power outage, connectivity disruption or natural disaster.



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Use case: Disaster recovery in healthcare

Cloud-based electronic health records. IoT medical equipment. Systems that connect practitioners to data from remote patient monitoring. Each of these applications depends on network continuity. Healthcare organizations must plan for restoring connectivity in an emergency. Yet having access to backup data isn't enough. Bandwidth capacity is essential to quickly restore data across the network following a disruption. This is especially important in medical settings where patient safety is on the line and every second counts. According to a study by the Ponemon Institute, the cost of hospital downtime averages \$7,900 per minute.⁴ Plus, there is the potential for hefty fines for HIPAA noncompliance.

Solution: At speeds up to 100 Gbps, Fiber Internet Access and Ethernet Services deliver healthcare providers the large-scale bandwidth needed to quickly and securely access offsite data backups and restore information to devices across the network.

Bringing essential business applications back online following a disruption is crucial, and it's dependent on having access to the right connectivity solutions. Spectrum Enterprise can deliver the bandwidth required to support effective disaster recovery planning for an entire network. As a collaborative partner with a diverse portfolio of connectivity and networking capabilities, we can also integrate our Wireless Internet Backup solution, fault-tolerant managed network services and dual entrance facility designs into a network architecture that achieves your unique goals for resilient IT.



Additional advantages of high-capacity bandwidth



[Reduce costs and complexity](#) by consolidating internet connections and traffic.



[Maintain performance](#) as more employees access network resources and the internet through virtual private networks.



Count on rapid restoration of data from private data centers and the public cloud after a disruption.



[Expand your capabilities](#) with a national partner investing in a dense private fiber network.

Choose a partner that can scale with your BCDR needs

The fast pace of change and growth can strain networks, impacting users' day-to-day connection speeds and access to data following a disruption. As your organization evolves, so does your need for high-performing, low-latency connectivity. Spectrum Enterprise offers scalable bandwidth for internet and Ethernet solutions with speeds up to 100 Gbps for your most data-intensive applications. Now it's easier than ever to adopt solutions with the right bandwidth to support your networking and BCDR requirements.

- **Fiber Internet Access:** Ensure a dedicated, high-performance internet connection with a partner you can trust. Experience the consistent performance you need to keep critical applications running and your business operating. Fiber Internet Access provides nationwide, dedicated internet connectivity with symmetrical upload and download speeds, delivered securely over our private fiber network.
- **Ethernet Services:** Meet ever-growing data needs by connecting locations with a fast, secure, reliable, private wide area network (WAN) solution backed by performance guarantees and delivered over a dedicated fiber infrastructure. An online portal empowers IT staff with network visibility, providing near real-time status updates and reporting capabilities. The solution also includes our high-touch, end-to-end service delivered with superior network design.

Why companies choose Spectrum Enterprise

- 1,200+ MEF certified professionals.
- MEF award-winning network service provider.
- One of the top U.S. Ethernet providers, according to the Mid-2021 U.S. Carrier Ethernet Services LEADERBOARD.⁶
- Nationwide network reach with 255K+ fiber-lit buildings and 230K+ fiber-route miles.
- 99.99 percent service availability supported by an end-to-end service-level agreement (SLA) that extends into the client suite.
- 24/7/365 proactive monitoring with U.S.-based support.
- Local technicians.
- A four-hour mean time to restore (MTTR) — not just to respond.

Conclusion

Spectrum Enterprise continues to invest in our technology and nationwide fiber network to enable capabilities like high-capacity connectivity so your organization is prepared to meet the disaster recovery challenges that come with increasing reliance on data-intensive applications. As your trusted partner, we will collaborate with your team to deliver the right bandwidth solution for each of your locations to ensure reliable performance, low latency and high uptime across your entire network.

Partnering with Spectrum Enterprise enables your organization to innovate and continue your network modernization journey. We offer high-capacity Fiber Internet Access and Ethernet Services up to 100 Gbps, with the flexibility to adopt different speeds across locations with varying needs. These services help to ensure network resilience and effective disaster recovery planning.

Our diverse portfolio of connectivity solutions makes it easier, quicker and more cost-effective to access bandwidth capacity few other providers can match. Our internet and networking services are backed by an industry-leading SLA that offers 99.99 percent service availability with a four-hour mean time to restore — not just to respond — for reliable connectivity into the client suite. You can count on high performance and low latency for your users, allowing you to rest easy knowing your solutions include 24/7/365 U.S.-based support and local technicians.

Work with a network service provider that has the knowledge, experience and technology to meet the evolving BCDR challenges of your organization. Learn more at enterprise.spectrum.com/HighCapacity.

1. James Bergren, "[Network Outages Cost More than \\$1M Annually for Nearly Two-Fifths of US Businesses, Opengear Study Finds](#)," Opengear, May 26, 2020.
2. Ibid.
3. Ibid.
4. Christine Duval, "[The Cost of an EHR Downtime](#)," Summit Healthcare, June 4, 2020.
5. Ibid.
6. "[Mid-2021 U.S. Carrier Ethernet LEADERBOARD](#)," Vertical Systems Group, Sept. 2, 2021.

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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