Dedicated Fiber Internet:
Why businesses need
dedicated connectivity

Meet new business challenges with a reliable,
dedicated high-performance connection.
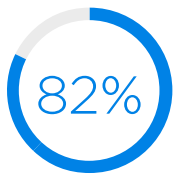
Spectrum
ENTERPRISE®

$8.15 billion

Forecast for global fiber market by 2025.[1]

82%

of organizations see migrating workloads to the cloud as a stepping stone toward digital transformation.[5]

41%

of IT leaders say they are increasing use of cloud-based services and products.[6]

Businesses today need a reliable, high-performing network to enable productivity, efficiency and growth. Consistent internet availability is critical for everything from fast delivery of large files and supporting a distributed workforce to handling multiple types of time-sensitive traffic and the performance of cloud-based applications. A dedicated fiber internet service provides the high-performance connection your business needs to meet these evolving challenges and maximize the benefits of managed services.

The demand for bandwidth shows no signs of slowing. The factors fueling this demand for network capacity include the continued acceleration of digital transformation, adoption of high-bandwidth applications and the breakneck pace of data growth.[2] Because fiber can accommodate higher bandwidth and greater speeds than other connectivity types, it's become essential for many organizations — globally, the fiber market is forecast to reach $8.15 billion by 2025.[3]
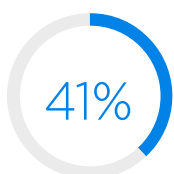
As businesses embrace digital transformation, adoption of cloud computing is growing. Among IT leaders, 41% say they are increasing their use of cloud-based services and products, 33% plan to migrate from legacy enterprise software to cloud-based tools and almost a third are migrating on-premises workloads to the cloud.[4] With many business-critical workloads moving to the cloud, reliable, high-performance internet connectivity becomes more important than ever.

A fast connection can keep your applications running and your business operating at peak productivity, but not all connections are created equal.

The right internet connection for your business

A fiber-optic network can provide a high-quality connection and great reliability. Unlike other transport solutions, fiber is not susceptible to electromagnetic interference, which can degrade performance. Yet, fiber alone is not enough to position your business for a digital future.
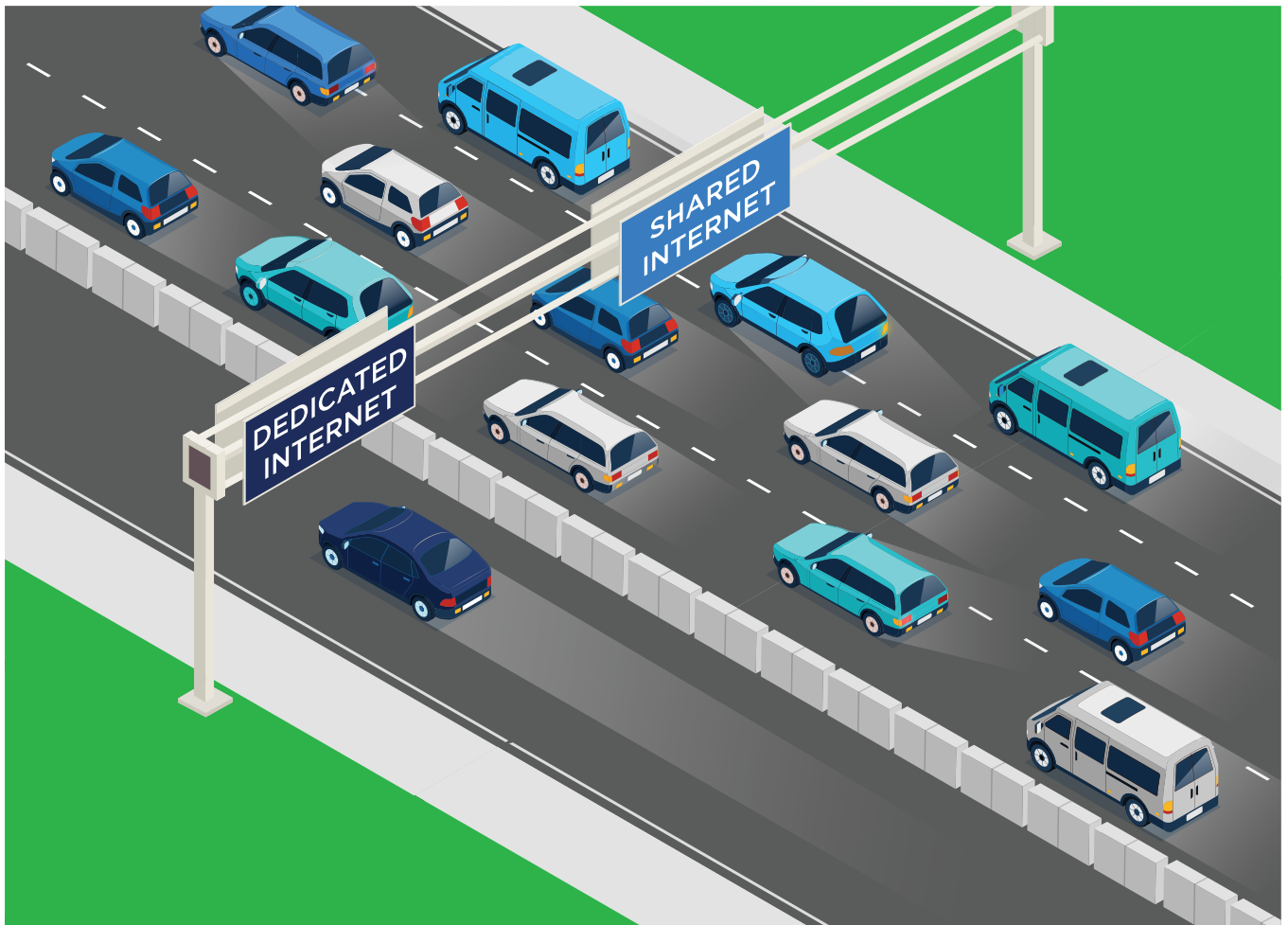
A dedicated fiber internet service allows businesses to avoid throughput and speed reductions that can happen when competing for bandwidth on a shared connection. Moreover, applications perform better with the symmetrical upload and download speeds of a dedicated connection.

Spectrum
ENTERPRISE®

Find the right internet connection for your organization

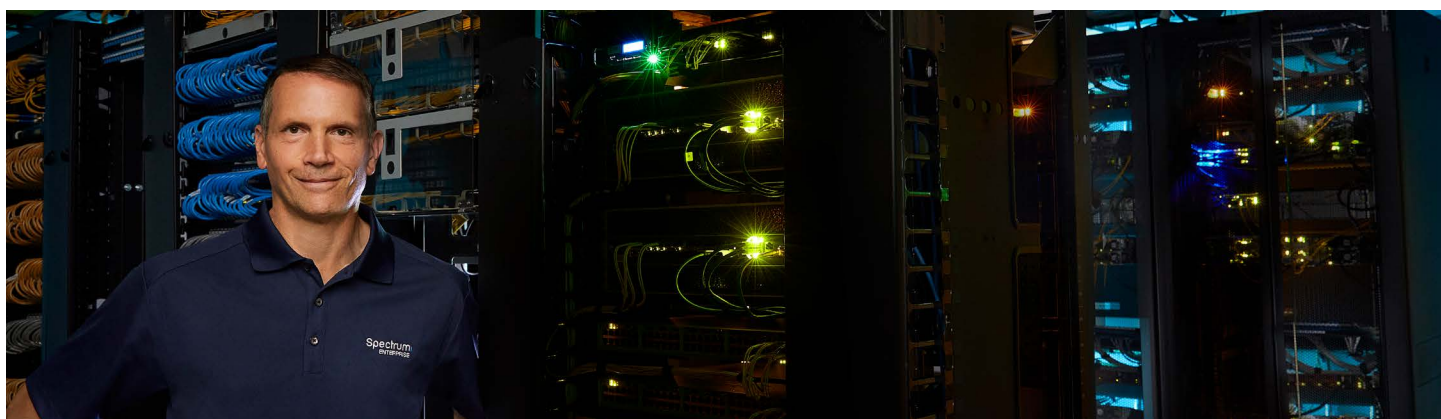| Dedicated internet	Shared internet
• Dedicated connection that is not shared by other organizations.	• Shared connection may be slower than advertised speed.
• Symmetrical upload/download speeds to support optimal application performance.	• Asymmetrical upload/download speeds may impact application performance.
• Scalable bandwidth to meet evolving needs.	• Shared connection speed may decline as more users consume limited bandwidth.
• Availability backed by an end-to-end service-level agreement (SLA).	• Performance assurance or SLAs may not be available.

Spectrum►
ENTERPRISE®

Dedicated fiber internet clears the way for your business success

With the right internet connection in place, business leaders can look to the future with confidence, knowing they have a strong foundation for growing the business and developing innovative new products and services.

As IT teams develop connectivity strategies to support the business, they must consider the advantages of dedicated fiber connection over a shared connection, including:

- **Managed services performance:** As providers offer more solutions to increase efficiency and reduce IT workloads, a dedicated connection can provide organizations with reliable bandwidth to achieve the full benefits of their managed network services.

- **Reliability:** Businesses with dedicated internet experience the benefits of both high-speed connectivity and reliability that is backed by an end-to-end SLA.

- **Application performance:** With the rapid growth of cloud applications, more businesses rely on consistent connectivity for essential operations. Dedicated internet increases application performance with consistent uptime, symmetrical upload and download speeds and easily scalable bandwidth to meet changing requirements.

- **Speed:** Having access to fast connectivity speeds is paramount for businesses that rely on videoconferencing, cloud computing, collaboration services and more. Dedicated internet can reach speeds up to 100 Gbps when delivered over a fiber network, while shared internet might be capped at 1 Gbps.

- **Bandwidth availability:** Bandwidth-intensive applications for critical business operations have become the norm for most organizations. Dedicated internet provides guaranteed bandwidth at all times.

When worries about internet performance are eliminated, a company can turn its attention to strategic business initiatives. Workers who can utilize internet connectivity without delay and interruption are likely to be more productive. Companies will also avoid the cost of lost productivity associated with outages, and customers will be happier and more loyal, thanks to a positive experience.

Spectrum►
ENTERPRISE®

Dedicated Fiber Internet from Spectrum Enterprise®

Choosing Dedicated Fiber Internet from Spectrum Enterprise means opting for a dedicated high-performance connection and support that keeps your organization running. The service is backed by an industry-leading SLA that offers a 100% uptime guarantee, end-to-end performance to all your Dedicated Fiber Internet locations nationwide and delivers low latency, jitter and packet loss all the way into the client suite.

With Dedicated Fiber Internet, you can experience the consistent, reliable bandwidth and performance you need delivered by a dedicated connection over a nationwide private fiber network. Dedicated, scalable bandwidth ensures fast, symmetrical uploads and downloads at speeds up to 100 Gbps. A dependable internet connection ensures high performance for your network resources, allowing you to better serve employees and customers. If your organization relies on technologies in the cloud, video collaboration or a distributed workforce, the best choice is dedicated internet over a fiber network.

Additionally, you can enhance Dedicated Fiber Internet with optional managed technology services designed to protect, simplify and improve the performance of your network. These managed services encompass networking, communication, collaboration, remote work and security services.

With Spectrum Enterprise, you'll gain the dedicated high-performance connection you need from a partner you can depend on. Our nationwide reach, advanced technology and deep expertise give you better network performance to meet your evolving business requirements. As a single provider with 100%, 24/7/365 U.S.-based support, we bring connectivity and managed services together to create an experience that's reliable, scalable and efficient.

Visit enterprise.spectrum.com/fiber to learn how your organization can benefit from our Dedicated Fiber Internet service.

100% service uptime backed by an industry-leading SLA.

1. "The Top 4 U.S. Fiber Trends in 2022," INDATEL Services, 2022.
2. "5 Trends Driving Demand for Fiber," Zayo, May 27, 2022.
3. "The Top 4 U.S. Fiber Trends in 2022," INDATEL Services, 2022.
4. Blair Franklin, "The Digital Forecast: 40-Plus Cloud Computing Stats and Trends to Know in 2023," Transform with Google Cloud, January 27, 2023.
5. Kathleen Mitford, "3 Key Cloud Adoption Trends in Migrating and Modernizing Workloads," Microsoft Azure Blog, December 7, 2022.
6. Blair Franklin, "The Digital Forecast: 40-Plus Cloud Computing Stats and Trends to Know in 2023," Transform with Google Cloud, January 27, 2023.

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.

Spectrum
ENTERPRISE®