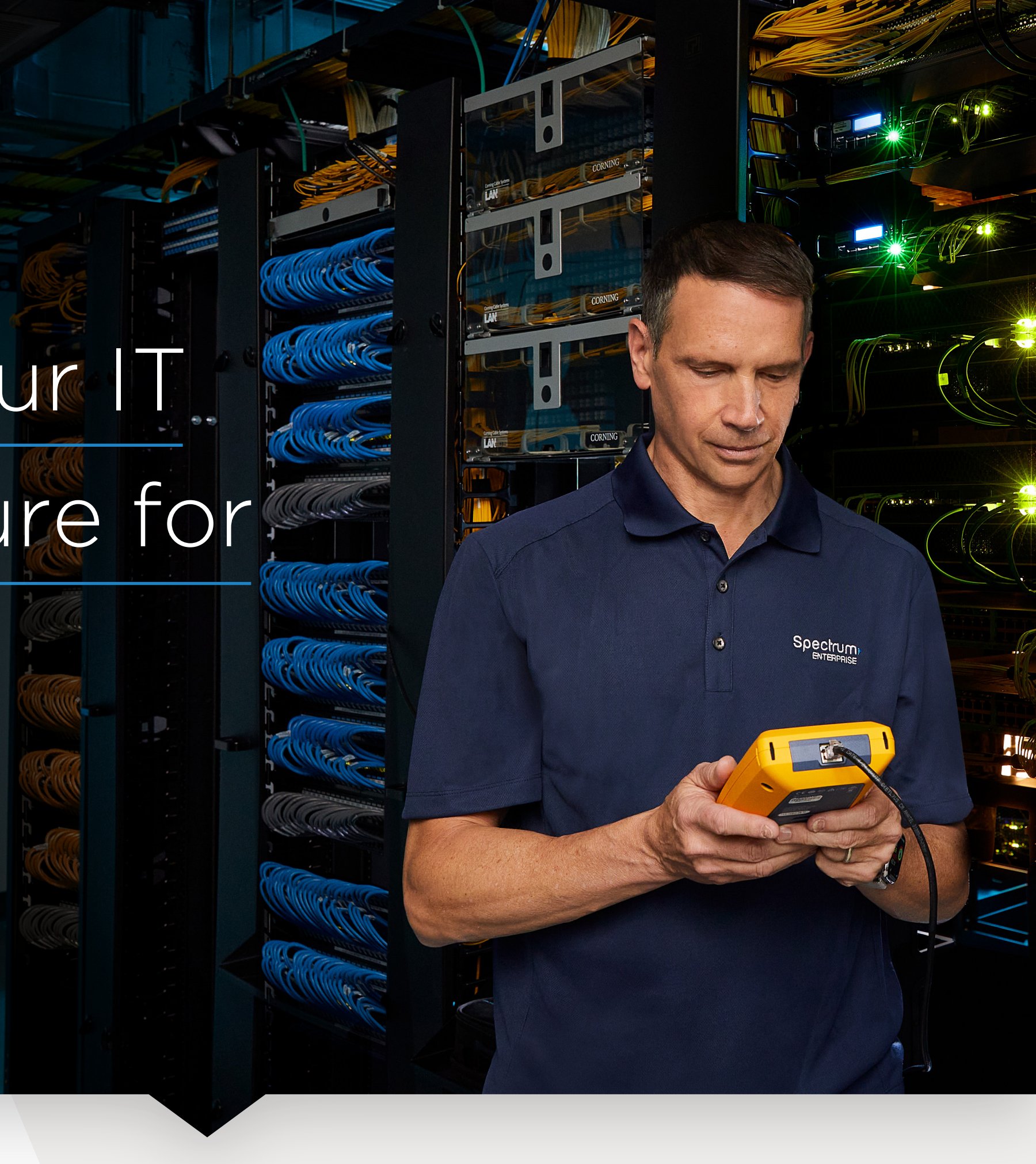# Prepare your IT infrastructure for the future

Reliably and securely meet growing network needs

As an IT leader with an organization counting on the technology your team supports, you're under pressure. Pressure to deliver fast, seamless access to essential data and tools. Pressure to ensure IT services are always available and data is secure — even as bandwidth needs rapidly increase.

You're not alone. To meet these challenges, many organizations are preparing to expand their capabilities in networking and connectivity. The top three tech initiatives identified by IT leaders — cloud migration, digital transformation and cybersecurity — all require highly reliable, high-performance network technologies.[1] On top of that, IT planning must ensure these services and infrastructure stay within limited budgets.

Trends and challenges for IT planning

Multiple clouds add complexity

Users increasingly need access to applications and data across multiple cloud service providers, as well as on-premises servers. This hybrid approach expands the potential benefits of cloud adoption but also makes migration more challenging.

72% of organizations now use hybrid cloud architecture.[2]

Remote work drives the need for high-capacity networking

Productive employees require reliable, high-performance connectivity regardless of location. Legacy infrastructure can quickly become strained as it connects more remote workers to private networks and the internet.

58% of employees have the option to work from home for all or part of the week.[3]

Managing risk means planning for security and business continuity

How prepared is your organization for a security breach or natural disaster? Ensuring always-up-to-date security in the face of cyberattacks, as well as planning for uninterrupted connectivity and data recovery after a disaster, are critical to revenue and reputation.

$9.44M is the average cost of a data breach in the United States.[4]

Tech refreshes and budget pressures call for fresh solutions

Rising capital costs and recession fears increase the pressure to make IT more efficient and reduce the total cost of ownership for network infrastructure. More organizations are reevaluating their mix of managed services, cloud spending and owned on-premises equipment to make the best use of limited resources.

53% of organizations are moving IT spending from capex to opex to manage the cost of their infrastructure.[5]

The right partner is essential

Larger organizations increasingly need high-capacity bandwidth up to 100 Gbps to reliably meet the needs of their users. Technology partners that deliver this level of performance are essential to IT leaders planning for the future. Look for a service provider that can support the next generation of high-performance networking with these capabilities:
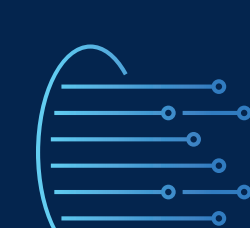
Flexible options to manage capital costs

Shift capex to opex with managed services and contracts that remove the burden of owning expensive premises equipment. You can also make IT operations more efficient with automated workflows and services that offload routine maintenance from your team.

Low latency for sensitive cloud applications

Not every provider can support sophisticated cloud architectures. Work with a partner that has connections into leading cloud service providers and infrastructure located near key data centers for even lower latency.
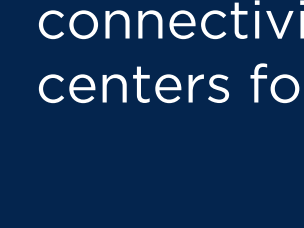
More efficient connections

A project to upgrade the capacity and performance of your network can also be an excellent opportunity to redesign connectivity to branch locations and data centers for better efficiency.
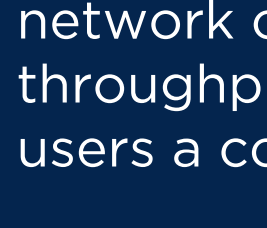
Strong security that won't degrade user experience

Networking solutions engineered specifically for high-performance networks can ensure firewalls and other network components keep pace with throughput up to 100 Gbps, giving users a consistent experience.

WAN solutions that scale

Deliver fast, secure network connectivity for users and locations as their needs change. A single partner for connectivity and networking solutions can offer the ability to easily turn on capacity across dedicated internet, Ethernet and wavelengths as you grow.

Redundant connections for business continuity

Reduce the risk that an outage can pose to your revenue, operations and service. Work with experts that can engineer full path diversity for critical locations, as well as multiple connection types and the bandwidth for daily cloud storage and replication of essential data.

50% of all enterprise applications will reside off-premises by 2024.[6]

Choose a connectivity partner with the reach and expertise to provide flexible, scalable, secure solutions

Partner with Spectrum Enterprise® and prepare for the business and technology trends driving the creation of high-performance networks for a data-intensive future.

[Learn more]

Sources:

1. "Flexera 2022 Tech Spend Pulse," Flexera, June 2022.
2. "2022 State of the Cloud Report," Flexera, 2023.
3. "Americans Are Embracing Flexible Work—And They Want More Of It," McKinsey, June 23, 2022.
4. "Cost of a Data Breach 2022," Ponemon Institute and IBM Security, July 2022.
5. "More Than Half of Enterprises Confirm Cloud Is Essential to Balance IT Spending, Couchbase Research Finds," Couchbase, June 21, 2023.
6. "IDC Spotlight Connectivity Performance Underpins Great Customer Experiences," IDC (Doc. #US50299523), March 2023.

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