![Zayo logo]

# Building GenAI at Scale: 5 Things to Look for in a Network Provider

**Generative AI (GenAI) is revolutionizing the way enterprises operate.**
Organizations that take advantage of this transformative technology can boost productivity in their workforce, improve the customer experience, and attain a competitive advantage. However, with the adoption of GenAI comes new enterprise network requirements.

Seeking to tap into the power of GenAI? To get ahead, find the right vendors and partners to help your organization adapt. You should seek a network partner that offers:

## ☐ A Dense Network Footprint

As data exchange needs accelerate, so will the need for more fiber network infrastructure. Find a provider with a deep, dense, and expanding fiber network footprint able to meet the data-intensive demands of GenAI now and in the future.

Zayo offers the capacity and diversity for organizations to drive AI initiatives, with a 17.5 million fiber-mile network. Connect your IP network with Zayo across 1,600 on-net data centers. We provide the availability, capacity, and data center operator relationships in North America to support your AI workloads.

## ☐ Access to Secondary Markets

With developers turning to secondary markets for AI training projects comes the need for last-mile connections in new markets. Find a vendor with a long-haul, metro, and last-mile network presence where you need it today and tomorrow as you scale.

Zayo has a unique ability to quickly establish connections in emerging markets and rural spaces where more data centers are emerging. We're always looking toward what's next – we anticipate where connectivity needs outside of Tier 1 markets will arise and build our networks accordingly.

# High Bandwidth Availability

Traditional network architectures and legacy technologies simply can't keep pace with the bandwidth demands of GenAI. Find a provider that deploys the latest technology in network architecture – ultra-high capacity, low-latency, and resilient network designs and can provide a roadmap for continuous network improvement.

To meet future enterprise infrastructure needs, Zayo has upgraded 85% of our North American Wavelengths network to 400G, to be fully 400G-enabled by the end of 2024. Zayo offers IP options up to 100G with 35TB peering capacity for efficient traffic routing. In 2024, we added 16 new PoPs in key markets and boosted peering capacity quarterly by one to two terabits to meet evolving enterprise needs.

# Extensive Dark Fiber

Dark fiber provides flexibility for businesses looking to scale their network and accommodate evolving needs.

Zayo offers Long Haul Dark Fiber as a standard product – something others in our industry don't. We continue to build market-unique metro and long-haul dark fiber routes to enable enterprises to prepare themselves for increased bandwidth needs.

# SD-WAN Expertise

SD-WAN solutions are poised to become critical network differentiators as organizations apply GenAI by intelligently assisting with network design, setup, and management. Seek network providers with multi-vendor expertise with SD-WAN to provide improved network anomaly detection, predictive maintenance, and network traffic optimization.

Zayo is not only a leader in fiber and transport services, but we are also a market leader in large-scale SD-WAN deployments. Our SD-WAN capabilities enable customers to scale with ease, reduce network complexities, and boost network performance.

**Ready to deploy GenAI at scale? Equip yourself with the knowledge you need to tap into GenAI by reading our whitepaper.**

**Contact us** **to get started.**

**866.364.6033**

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