![Enterprise Strategy Group by TechTarget logo]

Architecting the Network for an AI-powered World

Enterprise IT stands on the threshold of one of the greatest evolutionary changes in decades with the arrival and expansion of AI and its fast-growing variant, generative AI (GenAI). But to reach the AI promised land, many organizations must invest in significant new compute infrastructure to ensure their networks are ready to play their essential role in supporting AI initiatives. AI-driven network upgrades must deliver increased speed, high throughput, and low latency. TechTarget's Enterprise Strategy Group recently surveyed network professionals to gain insight into these trends.
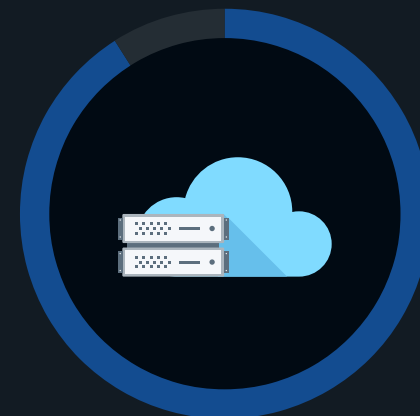
Notable findings from this study include:
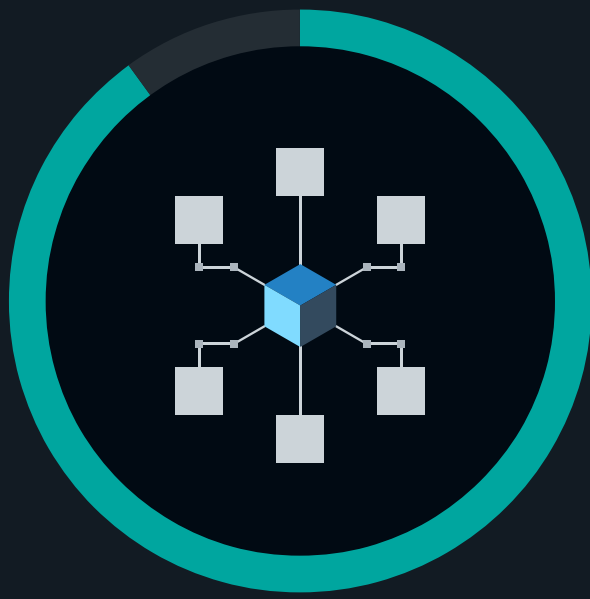
90% of organizations say networking is becoming **more critical** with the arrival of AI technologies.

90% of organizations feel that AI and automation will be essential for managing and optimizing GenAI cluster networks.
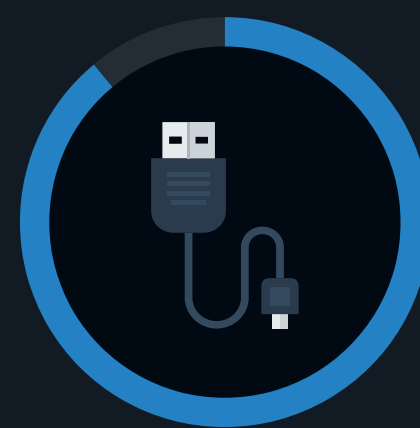
91% of organizations plan to migrate GenAI workloads to on-premises data centers from public cloud, SaaS, and/or colocation sites.

76% of organizations have deployed GenAI workloads at the edge or plan to do so in the next 12 months.

89% of organizations that have deployed or are planning for local GenAI clusters will use Ethernet for cluster networking.

85% of organizations say that GenAI has a **medium to high impact** on their network planning and architecture for active projects.

For more from this Enterprise Strategy Group study, read the full research report, *Architecting the Network for an AI-powered World.*

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