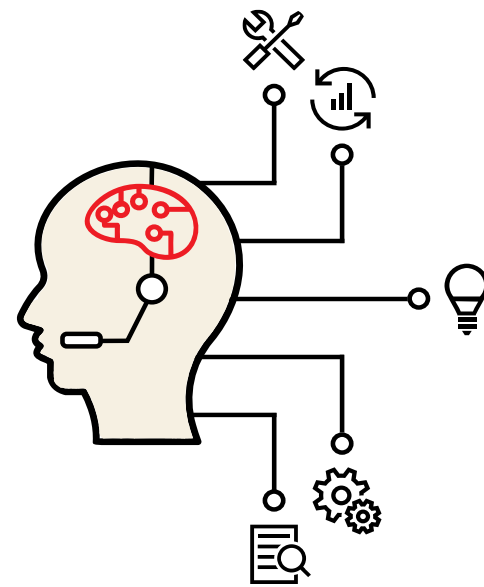


From GenAI to Agentic AI

The evolution heightens the critical role of the network infrastructure.



The progression from Generative AI to Agentic AI represents a significant leap in artificial intelligence, moving from systems that primarily create content to systems that can autonomously act and pursue complex goals.



The network plays a critical and foundational role in implementing solutions that enable organizations to use and benefit from AI. Training large language models (LLMs) to create new content (text, images, code, audio, video) has tested the boundaries of managing, moving and storing volumes of data used in enterprise applications.

Consider that:

By 2026, 20% of frustrated knowledge workers with no development experience will take charge of transforming how they work by building their own agentic workflows —improving cycle times by:

40%¹



GenAI can enhance many corporate functions by automating tasks, enhancing creativity and improving decision-making. The functions poised for significant impact include:



Technology and Software Development



Customer Ops (Service and Support)



Sales and Marketing



Corporate and Staff Functions (HR, Finance, Legal)

60%

of CIOs expect to have Generative AI-based workloads in production by the end of 2025.



GenAI model spending is expected to grow \$149.8% in 2025,

to \$14.0 B²

From GenAI to Agentic AI:

As AI models move from training to real-time inference and Agentic AI experiences, compute, networking and storage need to be closer to the edge.

Agentic AI queries can generate up to

25 times

more network traffic than simple chatbots, increasing the criticality of a low latency, high bandwidth network and decentralized resources that can scale these workloads.

Agentic use cases are expected to be used across industries for:



Self-driving cars: These vehicles use agentic AI to navigate complex road conditions, make decisions about speed and direction, and interact with other vehicles.



Personal assistants: Agentic AI can power personal assistants that can schedule appointments, manage emails and perform other tasks with minimal user input.



Financial trading: AI agents can be used to analyze market data, make trading decisions and manage portfolios with minimal human intervention.



Healthcare applications: Agentic AI can analyze medical data, assist with diagnoses and personalize treatment plans.



Customer service: AI agents can handle customer inquiries, resolve issues and provide support, often without human assistance.

Verizon AI Connect—Building readiness for the AI-driven future

The exponentially growing impacts of AI are compelling organizations to prepare and implement solutions that enable them to capitalize on the potentials of AI.

Verizon AI Connect³ provides organizations the robust, scalable and secure network services to deliver, manage and support AI workloads at scale.

Verizon's resilient, high-capacity, low-latency network infrastructure is essential for enabling the next wave of AI innovation.

Leveraging Verizon's foundational networking ecosystem, organizations can get the space, power, infrastructure and services that help them prepare for and implement AI solutions of today and tomorrow.

Learn more

Talk to your Verizon Business representative to learn more about how Verizon AI Connect can help meet your connectivity needs or visit verizon.com/aiconnect.

1. IDC, IDC FutureScape: Worldwide Generative Artificial Intelligence 2025 Predictions, October 2024

2. Gartner, Forecast: Generative AI Models, Worldwide, 2023-2029, 3Q25 Update, Arunasree Cheparthi et. al., September 2025

3. Verizon AI Connect is not available outside of the U.S. However, the full capabilities of the solution (Wavelength, dark fiber and other VBG offers that enable AI workloads) are available and supported globally.