

Is your enterprise network *future-ready?*

Deliver simple, seamless, and
secure connectivity with intelligent
wired and wireless networks

Your business is only as strong as your network

When every interaction depends on connectivity, enterprise networks are the backbone of the modern business. But far too often, that backbone is fragile, built on a crumbling foundation of legacy systems, siloed tools, and continuous manual effort that can't support today's demands.

Employees are frustrated by dropped calls, sluggish Wi-Fi, and network outages. Customers get clunky experiences that damage brand trust. And IT teams are lost to constant troubleshooting, with little time left to think about optimization or innovation.

Enterprises that fail to modernize will see more downtime, rising costs, and missed opportunities. But those that can provide seamless, reliable, and secure connectivity will turn their networks from a cost of doing business to a driver of meaningful value. By creating intelligent, unified networks, they'll boost productivity, nurture customer trust, and power business growth.

This guide explores:

-  **Why modernization is essential** for meeting new and future connectivity demands
-  **The key characteristics and outcomes** of tomorrow's intelligent enterprise networks
-  **A unique approach** that makes it easier to deliver the benefits of network modernization

Network modernization can't wait

Network connectivity has been a vital foundation for productivity and collaboration for many years. When networks fail, employees lose time, customers lose patience, and businesses lose out to competitors that can seize opportunities faster.

But now, the stakes are getting higher.

In a world of hybrid work, employees need to trust that coming to the office doesn't mean putting up with slow speeds and patchy Wi-Fi. Customers expect flawless experiences, wherever they interact with a brand. And IT leaders need to balance these demands with the pressure to cut costs without compromising network resilience and security.

Network outages come with real financial impacts – more than \$500,000 an hour for the average enterprise, according to Gartner estimates¹ alongside less measurable costs, including missed opportunities, employee frustration, and reputational damage.

And legacy networks can't cope

However, for many enterprises, poor connectivity and frequent outages have become part of business as usual. They're trying to meet modern demands with a complex web of legacy Wi-Fi and wired networks, riddled with management blind spots and security vulnerabilities, and offering fragmented user experiences.

For IT teams, it's a constant battle to tweak network configurations, patch security flaws, and uncover root causes of outages. For people who rely on connectivity to do their jobs, it's another reason to work from home.

It's time to fundamentally rethink wired and wireless connectivity to create a new generation of intelligent and resilient enterprise networks.



What does the enterprise network of the future look like?

At Capgemini, we believe the enterprise network of the future should offer seamless, secure connectivity and the intelligence to minimize the need for manual intervention. The next generation of enterprise networks will deliver three important outcomes:



Simplified management

A unified wired and wireless infrastructure, with one operating system and one management platform will dramatically streamline deployment management. And in the AI-powered world of zero-touch operations and autonomous infrastructure, networks will deploy quickly, adapt automatically, and heal themselves without disrupting operations.



Relentless resilience

AI-driven automation will also power far more resilient networks. Instead of demanding constant human intervention, networks will calibrate themselves in real time, automatically adjusting signal strength, balancing power, and optimizing channels. Future networks will also have security built in at every layer, with Zero Trust principles embedded at the earliest stages of design to protect users and the devices and systems they rely on.



Revolutionized experiences

Perhaps the most valuable outcome is the impact these intelligent enterprise networks will have on the people who use them. No more dropped calls just as a deal's about to close. No more hit-and-miss guest Wi-Fi that makes customers feel far from welcome. And no more sleepless nights wondering what new network disaster you'll find in the morning.

By 2028, **35%** of enterprises will use AI to improve network operations and resilience, a huge leap from less than 10% in 2025.²

Gartner

From an uphill struggle to a walk in the park

Connectivity should propel your business forward, not drag it down. By modernizing and unifying wired and wireless networks, you can:

- **Boost employee satisfaction and productivity** by eliminating the network issues that cause frustration and lost time.
- **Impress customers and build trust in your brand** with meetings that run smoothly and guest Wi-Fi that just works.
- **Free IT teams from constant firefighting and repetitive tasks** with automation that takes care of day-to-day management and stops the fires from happening in the first place.
- **Reduce costs across the board** with energy-efficient components and design, less manual effort, and a unified platform that leads to lower licensing costs.

This is the network of the future. And with **Wired and Wireless Enterprise Networks by Capgemini**, it's a future we're already making a reality.

Inside the Capgemini approach to enterprise network transformation

Wired and Wireless Enterprise Networks by Capgemini offering brings together cutting-edge technology and intelligent automation into a unified network architecture operated on a single platform.

By combining vendor-agnostic technological innovations with our global delivery expertise and deep understanding of enterprise transformations, we design, build, and operate networks that are:

AI-native self-healing networks that continuously learn, adapt, and improve without human intervention.	Secure by design with Zero Trust principles built in to protect users, devices, and applications.	Globally scalable with certified networking professionals across our Network Operations Centers and Global Delivery Centers delivering 24/7 support in multiple languages.
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With an infrastructure that anticipates and mitigates issues before they happen, meetings run smoothly, collaboration flows uninterrupted, and employees actually look forward to working in the office again. And when customers visit your locations, they experience flawless connectivity with no awkward pauses or technical distractions, building trust and confidence.

Alongside these transformed user experiences, IT teams benefit from a network that troubleshoots itself, and business leaders see lower operational and

energy costs through automation and smarter design.

To bring speed and simplicity to network transformation, we've also built a set of accelerators, allowing organizations to deploy high-quality network experiences in seconds, not days. These transformation catalysts give IT leaders the opportunity to refocus their teams on delivering strategic value rather than firefighting, giving business leaders peace of mind from faster rollouts, less disruption, and lower costs.

Enterprise network transformation in action

When a major ransomware attack threatened business continuity at an international car shipping company, Capgemini rapidly redesigned its wired and wireless networks to enhance security and connectivity, providing the scalability for future growth.

With a global software-defined architecture and zero-touch provisioning, the company has been able to regain control of its network, simplify operations, and deliver a superior user experience worldwide.

Start your network modernization today

With a smarter, more resilient network, you can eliminate the everyday frustrations that slow employees down and make customers lose trust. By delivering intelligent, unified connectivity across wired and wireless networks, you can unleash productivity and collaboration, and unlock new levels of customer engagement.

So, if you're tired of losing time to poor connectivity and network outages, or losing ground to competitors who can act faster, network modernization can't wait any longer. It's time to build a network that manages and heals itself, adapts to meet changing user needs, and protects your users and your business.

Start you network modernization today and put an end to the frustration and spiraling costs, and create a network that provides a backbone you can rely on to support business growth.

To learn more about how we can help you create and operate an intelligent enterprise network that delivers simple, seamless, and secure connectivity, *get in touch with our experts.*

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¹Key Practices to Reduce Network Downtime, Gartner, 2025: <https://www.gartner.com/en/documents/6911366>
²Magic Quadrant for Enterprise Wired and Wireless LAN Infrastructure, Gartner, 2025: <https://www.gartner.com/en/documents/6649634>

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About Capgemini

Capgemini is an AI-powered global business and technology transformation partner, delivering tangible business value. We imagine the future of organizations and make it real with AI, technology and people. With our strong heritage of nearly 60 years, we are a responsible and diverse group of over 420,000 team members in more than 50 countries. We deliver end-to-end services and solutions with our deep industry expertise and strong partner ecosystem, leveraging our capabilities across strategy, technology, design, engineering and business operations. The Group reported 2025 global revenues of €22.5 billion.

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