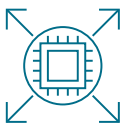# S&P Global
Market Intelligence

Plan for **AI success**

You can mitigate the risks of AI application deployment by building infrastructure that is secure and scalable.

Scalability is critical in AI infrastructure

Scalability is the top concern of experienced AI infrastructure leaders.

Increasing data volumes make **network and security scalability critical** to AI success.
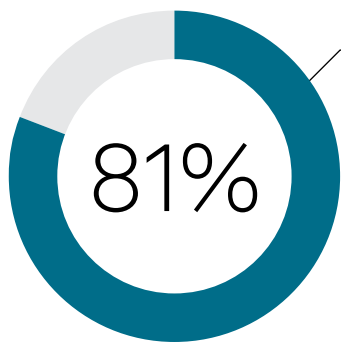
Modular and scalable infrastructure must grow with AI technology to manage costs and ensure resilience.

> "I would prioritize a modular, hybrid-ready architecture with built-in scalability and resiliency, and MLOps from day one."
>
> **VP of architecture**
> 1-5,000 employees, UK, professional services

Source: S&P Global Market Intelligence 451 Research AI at Scale study 2025, commissioned by Verizon.

Network performance/reliability is the most critical need

81%

Performant networks enable rapid innovation. Most rate it a **critical need.**
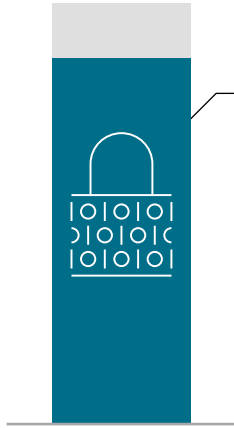
Enterprises **underestimate the volumes of data** driven by AI and impacts on bandwidth and latency requirements.

> "Optimizing data transfer — specifically improving bandwidth and latency — is a key area to consider ... Reason: In AI/ML workloads, large volumes of data are transferred to the cloud, and bandwidth can easily become a bottleneck."
>
> **Director of technology**
> 1,000-5,000 employees, Japan, professional services

Q. Which infrastructure component requires the most urgent upgrade to support your AI/ML initiatives?
Source: S&P Global Market Intelligence 451 Research AI at Scale study 2025, commissioned by Verizon.

Security is the top need for AI infrastructure

87%

Most see **security requirements** as the leading change being driven by AI in their infrastructure.

> "Security requirements are extremely high as we work with confidential patient data, and there are significant costs involved in working with the regulatory agencies and maintaining private cloud environments."
>
> **Assistant CTO**
> 5,000-10,000 employees, Singapore, healthcare

Q. Looking ahead over the next 12-24 months, what changes do you anticipate in your infrastructure that are being driven by existing or new AI/ML use cases?
Source: S&P Global Market Intelligence 451 Research AI at Scale study 2025, commissioned by Verizon.

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