

## Kyndryl + Nokia: Powering secure, AI-ready enterprise connectivity

In an increasingly connected world, businesses looking to digitally transform their operations face a constant balancing act: modernize network and data center resources to make the most of technological advancements like AI and cloud – without risking availability, performance or security.

With 68% of businesses investing heavily in at least one form of AI but 57% reporting innovation delays due to foundational issues,<sup>1</sup> AI programs are rapidly outpacing infrastructure readiness.

- Existing infrastructure can't support AI, machine learning (ML) and high-performance computing (HPC) workloads
- Data sovereignty and regulatory requirements drive up costs, complexity and risk
- Complex, multiregional networks and data centers hinder operations and service delivery
- Hybrid cloud, edge computing and data growth increase the need for high-capacity, low-latency, secure connectivity
- The evolution of quantum computing has exposed security risks from theory to planning

### Unlock comprehensive connectivity

Kyndryl and Nokia are working together to support scalable, resilient architectures and deliver high-performance, AI-ready enterprise data center and networking solutions.

By aligning network, cloud and application layers, we're helping enterprises around the world modernize infrastructure while improving operational efficiency, security and reliability.



## AI-ready enterprises

We've combined Nokia's AI switching, routing and event-driven automation stack with Kyndryl's integration expertise and managed services across hybrid cloud, data center and edge to help you design infrastructure that can support AI, ML and HPC workloads at scale.

- Reduce operational overhead
- Minimize human error
- Enhance observability in multivendor environments

## Quantum readiness

Quantum readiness is no longer theoretical. As AI adoption and emerging quantum computing capabilities dramatically increase the flow of encrypted data between data centers, clouds and edge environments, ultra-low-latency and quantum safe security have become priorities for business resilience.

We're working with Nokia to address quantum readiness at the network foundation. We've combined Nokia's leading optical transport, data center interconnect, and quantum safe networking capabilities with Kyndryl's assessment, systems integration, and end to end managed services to design architectures that protect traffic in motion—not just data at rest.

- Protect critical AI and cloud traffic across data center environments
- Scale to terabit-level capacity connectivity using economical and energy-efficient optical transport
- Reduce regulatory and long term cryptographic risk with a clear, phased roadmap to quantum-safe security
- Build a resilient foundation that supports AI today while preparing for quantum era threats tomorrow

## Kyndryl + Nokia in action

**Continuously modernize your networks** with rigorously tested data center and networking blueprints that enhance resiliency, performance and security, reduce deployment risk, and accelerate time to value.

**Prepare infrastructure for AI, ML and HPC at scale**, allowing you to deploy and expand dedicated environments that protect your proprietary data, while delivering the performance required for advanced workloads.

**Support data sovereignty and compliance requirements** through data center repatriation, modernization or expansion with quantum-safe network security against evolving quantum cyber threats—without slowing innovation.

**Simplify operations and minimize ongoing costs** through AI driven automation and network operations (NetOps) capabilities that improve resiliency, speed service creation and reduce operational complexity across global environments.

## For more information

To learn more about Kyndryl and Nokia partnership, please visit [www.kyndryl.com](http://www.kyndryl.com)



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<sup>1</sup> The Readiness Tipping Point, Kyndryl, 2025.