

Kyndryl Consult for Network and Edge

With the move to hybrid cloud environments and flexible ways of working, the dependency on the network and connectivity is more prevalent than ever.

Network connectivity is now more mission-critical than it ever has been. So why is it often the overlooked element of transformation projects?

One of the main reasons is that a good network is something we simply take for granted; it just works, and we only notice when it doesn't.

Refocus on the network

A key driver for a renewed re-focus on the network, is the recent industry-wide shift in ways of working and automation. These new demands expose network deficiencies and demand secure networking at speed and reliability levels like never experienced before.

Imagine, for example, a company that has chosen a cloud-first strategy for its applications. Then, on the last day of the quarter, the SaaS-based finance platform becomes unreachable due to network issues. The new demands on reliability and resilience are massively magnified.

Refactor the legacy

Many networks have evolved to where they are today, either incrementally, by capacity growth, acquisition, or a move of architecture to support a business operational management change. Security audits can also drive the addition of new platforms to plug insecurities elsewhere.

Many organisations are now coming to a point where network connectivity is the limiting factor in their IT growth plans.

The emerging question is now, where do we go for unbiased advice and industry expertise?

Kyndryl Consult for Network and Edge

Kyndryl offers a range of services designed to enable successful modern data management and achieve business benefits. Innovation is always at the center of our approach. Our practitioners design and build systems with scalability, security, performance and resiliency in mind. Our services include complex multi-vendor integrations at massive scale with integrated monitoring, management and automation across:

Enterprise Networking:

- Design and implementation of software-defined networks for datacenter, campus LAN, WAN and cloud
- Virtualisation/cloudification of network functions across cloud, core, access & edge
- Agility via automation and orchestration
- Network security (using SASE, Zero Trust)
- Extensive experience with hybrid network topologies spanning data center, wired and wireless campus, WAN and multi-cloud

Nextgen Wireless (Private Spectrum 5G and Advanced Wi-Fi):

- Design and implementation of wireless-first connectivity solutions for small and large campuses, factories, manufacturing floors, etc.
- Site Surveys, radio design, security
- Private LTE/5G, Wi-Fi, Low orbit implementation and installation
- Radio management software installation, configuration, testing
- 15+ years of global experience providing successful wireless solutions to hundreds of customers

Edge Computing:

- Full-stack design and implementation of edge computing solutions
- OT/IT Integration for Industry 4.0
- Devices: manufacturing terminals, industrial sensors, heavy equipment, autonomous mobile robots, etc.
- Edge cloud platforms: AWS Outposts, Azure Percept, IBM Cloud satellite
- Applications: Visual quality inspection, smart cities, healthcare, autonomous vehicles, predictive maintenance

AI Operations and Management:

- AI operations, tooling, and network automation for dynamic, intelligent network management and monitoring
- Identifies critical trends and changes in network behavior and lifecycle management
- Provides the visibility, automation, and intelligence required to tactically and strategically make better and more informed decisions

How Kyndryl can help

Kyndryl helps customers seamlessly integrate digital touchpoints with operating models that optimise orchestration, increase flexibility, and mitigate risk—all in a hybrid multi-cloud environment built for speed, security, and compliance.

Digital Touchpoints

User Experience | Scalability | Accessibility | Value-Add
Embedded in intelligent business processes

Service Integration

Orchestration | Flexibility | SLA | Integration |
Risk Management | SRE | DevSecOps |
Data Management | AI | Automation

Hybrid Multi-cloud IT Environment

Speed and Latency | Quality | Compliance |
Cybersecurity | Economics | Resiliency
Instrumented to enable effective digital interactions



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Features

- Network modernisation
- SaaS first, network readiness
- Hybrid working
- Market expertise
- Advisory services
- Managed services guidance
- Transformation plan

Benefits

Lower TCO:

Transform from dedicated network hardware to a generalized compute platform that costs less to build, operate and maintain

Invest wisely:

Avoid the pitfalls of over-promised solutions

Agility:

Flexible capacity allocation and ability to adapt to dynamic application topologies

Security:

Granular policy enforcement that enforces enterprise policies and enables zero-trust security models

Application continuity:

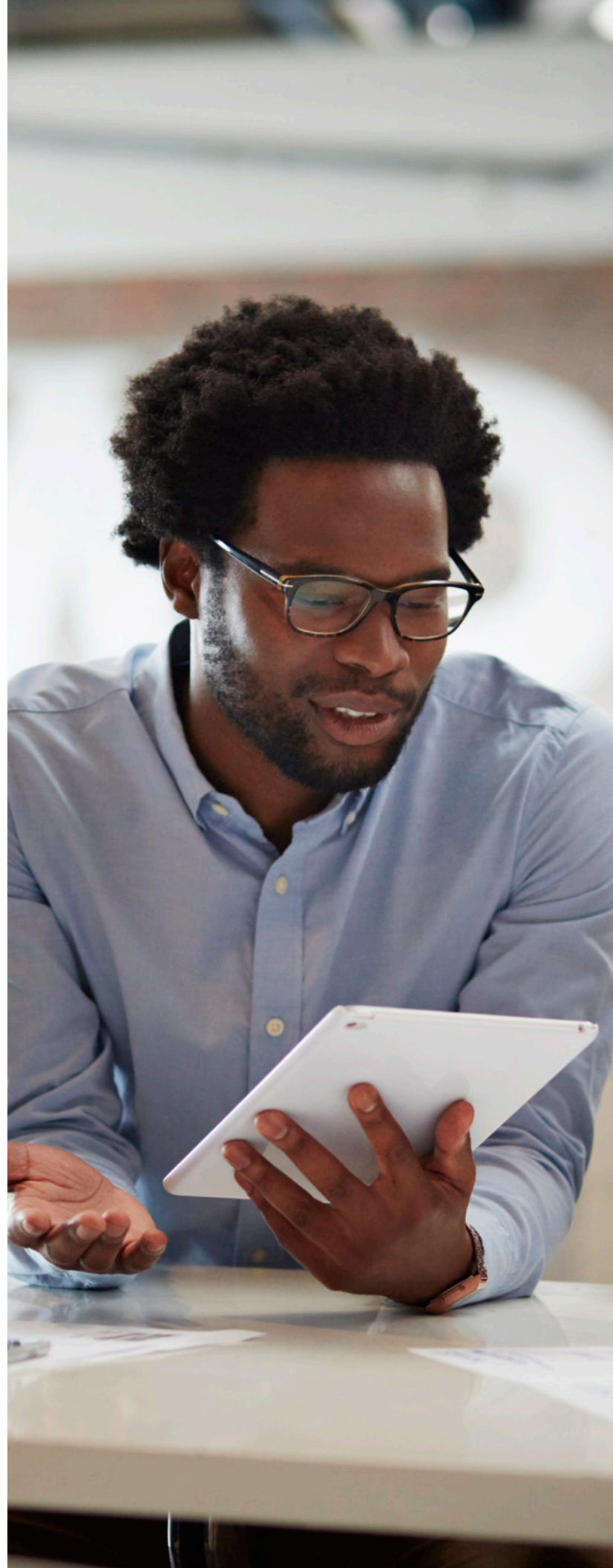
Applications and data can reside and be accessible from anywhere with confidence of resilience

Cloud journey:

Support a seamless transition from traditional to cloud-native apps on a single infrastructure

Telecom-circuit and equipment-provider neutral:

As a network integrator, Kyndryl is telecom-circuit and equipment-provider neutral



Why Kyndryl?

Kyndryl has deep expertise in designing, running and managing the most modern, efficient and reliable technology infrastructure that the world depends on every day. We are deeply committed to advancing the critical infrastructure that powers human progress. We're building on our foundation of excellence by creating systems in new ways: bringing in the right partners and working side by side with our customers to make the right technology investments to achieve business outcomes and unlock potential. Our alliances with market-leading technology partners empower us to innovate and co-create an integrated cyber resilience approach to help our customers anticipate, protect against, withstand and recover from adverse cyber events.

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