

NTT and Cisco create private 5G juggernaut

Article

The news: Cisco is tapping NTT to help expand its private 5G services aimed at automotive, logistics, healthcare, retail, and public sector verticals, per [VentureBeat](#).

Benefits of accelerating 5G edge connectivity: The joint venture between two networking giants has the potential to help Cisco and NTT's existing customers easily integrate private 5G into their existing LAN/WAN/cloud infrastructures.

- **Bolstering security will be the largest driver of low-latency and resilient private 5G** in private infrastructure as data breaches, phishing scams, and [ransomware incidents are on the rise](#).

- Other benefits include improved machine vision, predictive analytics, push-to-talk “walkie-talkie” communications, automated guided vehicles (AGVs), and always-connected PCs for frontline workers.
- NTT has the world’s first fully managed enterprise private 5G platform, and Cisco has been collaborating with **Intel** to build “global 5G innovation centers” to test 5G applications and use cases.

By the numbers:

- **48% of all private LTE/5G networks in the public domain use 5G** as of October 2022, up from 43% at the end of 2021, per [Analysys Mason](#).
- **GSMA** forecasts that [operators are expected to spend \\$900 billion](#) worldwide between 2021 and 2025 on mobile capital expenditures, nearly **80% of which will be in 5G**.
- **The global private 5G market is expected to exceed \$8 billion by 2026**, with a compound annual growth rate of 35.7% from 2022, per [IDC](#).

The time is right: “CIOs everywhere ... want more secure networks, they want dedicated [network] capacity, they want dedicated spectrum. They want service-level commitments, and they want it all as a service,” said **T-Mobile** president and CEO **Mike Sievert**.

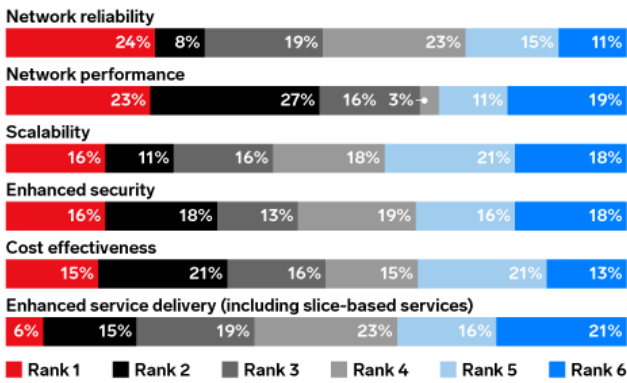
Key takeaway: NTT and Cisco’s partnership in private 5G as a service multiplies the potential for adoption since existing customers are likely to trust companies they already work with.

- Having two of the biggest networking companies working in tandem will also attract new customers seeking reputable private 5G solutions.
- Consolidation between players could be an upcoming trend as private 5G and edge computing gain momentum.

Dig deeper: Read our Q&A with Shahid Ahmed, Group EVP at NTT, on growth [opportunities in private 5G in enterprise](#).

Benefits of 5G Private Network Architecture According to Communication Service Providers (CSPs) Worldwide, by Rank, Q3 2021

% of respondents



Note: n=62 managers or higher at CSPs with 5G private network deployment plans
Source: Heavy Reading, "Deploying 5G Private Networks: Timeline, Segments, and Strategies" sponsored by Quanta Cloud Technology (QCT) and Intel, Dec 2021
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