The road to automotive success starts with network APIs

NOKIA

Why connectivity matters

1.4 billion connected cars worldwide by 2030 - a 200% increase in just the last five years.
(Source: Market Research Future)

94%
of fleet managers report connectivity issues

80%
of IOT fleet managers are using basic connectivity

<50ms required latency for remote driving

But, there are a few bumps in the road

Best-effort Connectivity:
Unpredictable network performance affecting critical operations.

Black-box Networks:
Limited visibility into network behavior and performance.

Security Gaps:
Increased vulnerability to cyber threats with expanded connectivity.

Low Confidence in Critical Areas:
Inconsistent connectivity in areas like tunnels, urban canyons, and remote locations.

Programmable connectivity, built for mobility

What is Network as Code?

Network as Code is Nokia's concept of extreme simplification of network capabilities to enable applications to dynamically change the network to optimize performance and user experience.

Quality on Demand

Device location

Network congestion predictions

Device reachability

Network-aware route optimization

Population density

Under the hood: The benefits of programmable connectivity

Reliable OTA and Telemetry updates

Enhanced driverless operations

Seamless In-car digital experiences

Context-aware V2X communication

QoD prioritization for reliable rideshare

Ensures fast, reliable OTA updates by boosting network quality when needed

Enables safe remote takeover with guaranteed low-latency, high-reliability links

Boosts network performance on demand during peak usage

Enables precise traffic coordination through accurate location sharing

Ensures fast app performance even in congested network areas

Explore how your mobility applications can go from reactive to real-time.