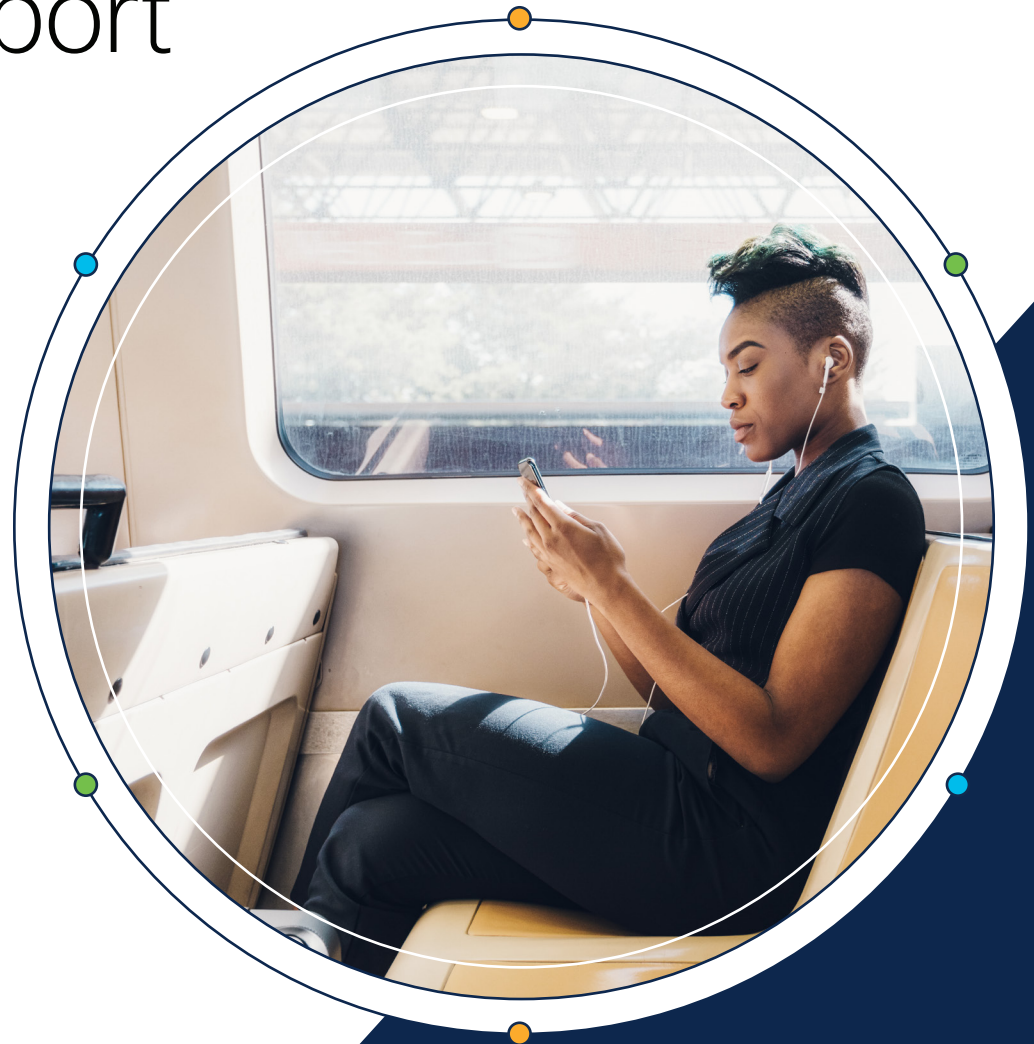# Agile Mobile Transport

Agile Mobile Transport for resilient services

The access network is at the front end of customer experience and is one of the most important parts of the mobile network in terms of its impact on service quality. Users are extremely unforgiving of a poor initial experience.

Low-latency 5G and bandwidth-intensive AI workloads require resilient service-aware backhaul networks and real-time visibility to meet stringent performance requirements. An advantage of Cisco® Agile Mobile Transport is the ability to manage mobile traffic from end to end, from the cell site access and backhaul to the edge and core network, with a secure, unified, flexible architecture. Cisco Crosswork® Network Automation simplifies operations by automating network provisioning and providing more visibility and control over performance.

Benefits

- Simplify your mobile transport with a unified architecture from access to edge to core

- Optimize efficiency with high-performance and power-efficient Cisco Silicon One™ routers

- Deliver low-latency mobile services and AI applications with assured Service Level Agreements (SLAs)

- Automate operations and control real-time network, services, and SLA performance

- Secure mobile traffic, AI workloads, and applications with end-to-end encryption

Agile Mobile Transport is based on advanced Silicon One routers that have scalable bandwidth and flexible capacity to 1.2Tbps and flexible port density of 1-100G and 400G with integrated encryption and security critical for mobile transport and private mobile access. The xHaul network can be managed together with your edge and core network as part of a unified architecture. Cisco Provider Connectivity Assurance enables 5G network operators to monitor each segment of the network, including fronthaul, midhaul, and backhaul, to verify that services are complying with SLAs. Performance data needs to be collected, analyzed, and integrated for an end-to-end view of services and SLAs.
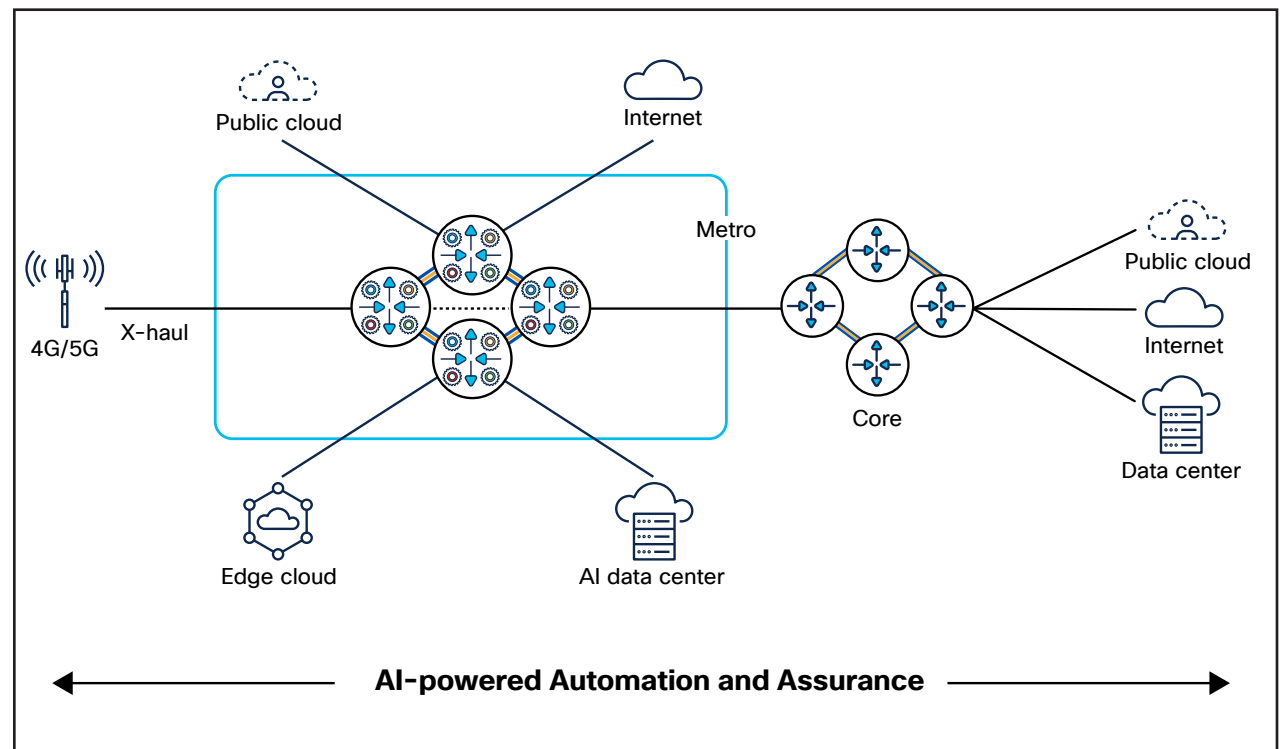

Figure 1. Agile Mobile Transport

For more information

Learn more about refreshing your mobile transport network to deliver high-performance services and resilient user experiences with Cisco Agile Mobile Transport.

Explore:

- **8000 Series Routers**

- **NCS 500**

- **NCS 5700/5500**

- **Crosswork Network Automation**

- **Provider Connectivity Assurance**

- **Agile Metro**

Discover Agile Services Networking

Simplify deployment of resilient mobile transport and assured services

Deliver low-latency 5G and AI edge workloads and applications with increased performance, power efficiency, and resiliency. Cisco Agile Mobile Transport provides flexible bandwidth and scalability to meet the needs of diverse services, including low-latency and high-bandwidth AI and 5G applications.

- Silicon One routers secure end-to-end mobile traffic for resiliency and performance with built-in encryption (MACsec and IPsec) and precision timing (PTP class C and integrated GNSS (PRTC-B)) in xHaul transport.

- Automate xHaul deployment and management with a unified architecture of Cisco IOS® XR software across xHaul, edge, and core network infrastructure using Crosswork Network Automation.

- Get real-time performance visibility into applications, services, and network performance.

- Deliver excellent user experiences and monetize advanced services with competitive SLAs and end-to-end service assurance.