

REALIZE SEAMLESS, EXPERIENCE-FIRST NETWORKING WITH JUNIPER AND CRADLEPOINT 5G

Enhance your network with 5G Wireless WAN and provide diversified connectivity, faster time to service, and improved business continuity—while optimizing the user experience

Challenge

Enterprises require enhanced business resiliency, faster time to service, and greater visibility into the health of the network.

Solution

The combined Juniper and Cradlepoint solutions provide holistic enterprise and campus networks with multiple options for 5G WWAN connectivity and network insights.

Benefits

- *Faster time to service and Day 1 connectivity through the integration of 5G WWAN into a wired and WLAN network deployment*
- *Improved business continuity from alternative connection failover and improved network agility*
- *Better end-to-end visibility of LAN and WWAN, assured business continuity, and crucial insights for optimizing the network experience with AI-driven problem solving*

The Challenge

Today's business environment is complex—hybrid workforces, disrupted supply chains, changing physical infrastructures. Dependable network connectivity that extends both within and outside the enterprise is essential to enable the global workday. Business continuity, resiliency, and agility require a modernized network that harnesses the latest technology innovations—5G Wireless WAN (WWAN), artificial intelligence, Wi-Fi 6E, wired LAN connectivity, SD-WAN, and security.

Integrating 5G WWAN into your existing network topology can offer many benefits including diversification of WAN connection, faster time to service and day 1 connectivity, enhanced application performance, and more.

The Juniper Mist and Cradlepoint Solution

Together, Juniper and Cradlepoint deliver in-building enterprise and campus switching, Wi-Fi, security, SD-WAN solutions, and 5G WWAN connectivity in a holistic, full-stack solution.

Features and Benefits

Complete enterprise stack with 5G WWAN diversity: Together, Juniper and Cradlepoint deliver in-building enterprise and campus switching, Wi-Fi, security, SD-WAN solutions, and 5G connectivity in a holistic, full-stack solution. Integrating 5G WWAN into your network topology comes with many benefits, such as diversification of WAN connections, faster time to service, and enhanced application performance.

Faster time to service and Day 1 connectivity: By integrating 5G WWAN into a wired and WLAN network deployment, organizations can realize faster time to service and Day 1 connectivity, plus enhanced overall performance.

Business continuity: Modern businesses require 100% uptime. Combining the Juniper portfolio with Mist™ AI, Wi-Fi 6E, Bluetooth LE, wired LAN enterprise switching, SD-WAN, and security, with Cradlepoint 5G WWAN connectivity, provides businesses with alternative connection failover and improved network agility. Downtime becomes a thing of the past—vastly improving network experiences and keeping the business running.



AI-driven problem-solving on the network: Marvis™ Virtual Network Assistant, Juniper’s AI-driven problem solver and conversational assistant, provides network visibility and proactive network insights and remediations. In addition, by leveraging the combined data attained via Mist AI and Cradlepoint NetCloud, you get better end-to-end visibility, assured business continuity, and crucial insights for optimizing the network experience.

5G WWAN for primary network access: 5G is great for mobile offices, pop-up locations, kiosks, and short-term events. In places where wired WAN connectivity is not an option 5G WWAN is the answer. 5G WWAN greatly reduces the time for WAN connection delivery in these installs and enables new use cases for the full stack of wired, wireless, and SD-WAN Juniper solutions.

Solution Components

The combined Juniper and Cradlepoint solution includes:

- Cradlepoint 5G adapters providing high-performance WWAN connectivity to the enterprise campus/branch, ensuring business continuity and an optimal end user experience.
- Juniper Networks® Wi-Fi access points, switches, SD-WAN routers, and next-generation firewalls that make Wi-Fi predictable, reliable, and measurable; and offer unprecedented visibility into the user experience with unique service-level expectation (SLE) metrics.
- Marvis provides network visibility and proactive network insights and remediations.

The Juniper Mist components are:

Juniper Mist cloud: All wireless deployment, operational, and management functions are handled via the Juniper Mist cloud, which delivers the following wireless, wired, and WAN services:

- Juniper Mist Wi-Fi Assurance provides user service levels, anomaly detection, automated event correlation for troubleshooting, dynamic packet capture, policy configuration, guest WLAN access, and more.
- Juniper Mist Wired Assurance delivers unparalleled user experiences for campus switching with simpler AI-driven operations, shorter mean time to repair, and better visibility into connected devices.
- Juniper Mist WAN Assurance is a key component of the Juniper AI-Driven SD-WAN solution, providing rich streaming telemetry that enables application health, WAN link health, and gateway health metrics and anomaly detection.
- Marvis provides natural language queries with integrated help desk functionality for rapid and simple root cause determination and problem resolution while realizing the Self-Driving Network™ with its Marvis Actions framework.
- Juniper High-Performance Access Points are deployed on premises for Wi-Fi, BLE, and/or IoT access.
- Juniper EX Series switches are cloud-ready, high-performance access and distribution/core-layer devices for enterprise branch, campus, and data center networks.
- Session Smart™ Routers power the Juniper SD-WAN solution that’s designed with a tunnel-free architecture that enables improved performance, fast deployments, and cost savings.

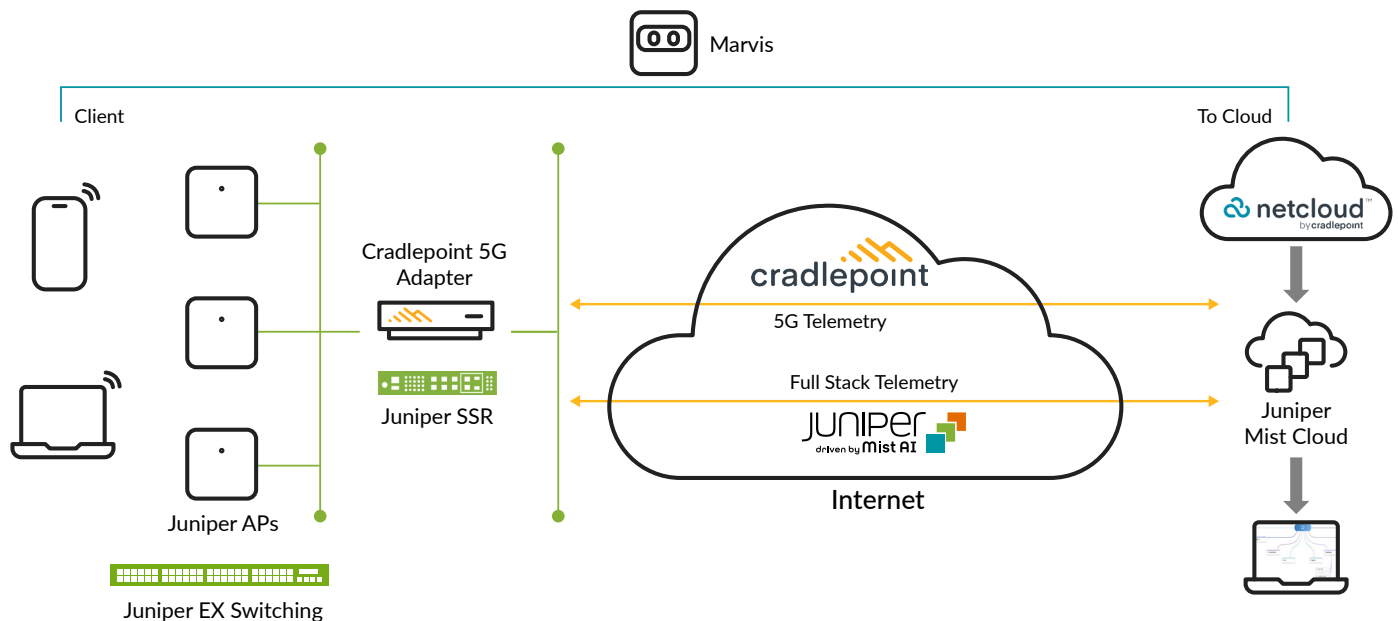


Figure 1: Cradlepoint and Juniper, powered by Mist AI, offer reliable remote connectivity for WWAN.

The Cradlepoint solution includes the following components:

Cradlepoint 5G wideband adapters provide industry-leading WWAN connectivity. These purpose-built adapters are sold with a subscription to NetCloud Service for 5G/LTE Branch Adapter, which provides streamlined configuration and continuous cloud, modem, and router software feature enhancements. The options are:

- Cradlepoint W1850 Wideband Adapter for Branch (indoor)
- Cradlepoint W4005 Wideband Adapter for Branch (outdoor)
- Cradlepoint MC400-5G Modular Modem
- Cradlepoint NetCloud Manager for cloud-based control of LTE and 5G WWANs

Summary—Enhance Resiliency for Applications and Services with 5G WWAN

The integration of Cradlepoint 5G W-WAN with Juniper Mist AI-driven Enterprise solutions provides business resiliency and continuity, enhanced application performance, and creates new business opportunities for emerging mobile use cases. Together they deliver a full-stack networking solution that can help organizations move to the next level and provide enterprises more options for reliably connecting to remote locations.

Next Steps

To learn more about the joint Juniper Mist and Cradlepoint solution, please contact your Cradlepoint or Juniper representative, or visit <http://cradlepoint.com> and www.juniper.net.

About Juniper Mist

At Juniper Networks, we are dedicated to dramatically simplifying network operations and driving superior experiences for end users. Our solutions deliver industry-leading insight, **automation**, **security** and **AI** to drive real business results. We believe that powering connections will bring us closer together while empowering us all to solve the world's greatest challenges of well-being, sustainability and equality.

About Cradlepoint

Enterprises rely on Cradlepoint and its Cellular Intelligence to build a reliable, secure network for fixed and temporary sites, vehicles, IoT devices, and remote employees—anywhere. A pioneer in Wireless WAN, Cradlepoint offers advanced 4G and 5G routers and adapters—controlled through Cradlepoint NetCloud™.

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