AI-Driven SD-Branch

JUNIPER
driven by Mist AI

Devices and Users

Wireless

Wired

WAN

Multi-Cloud Apps

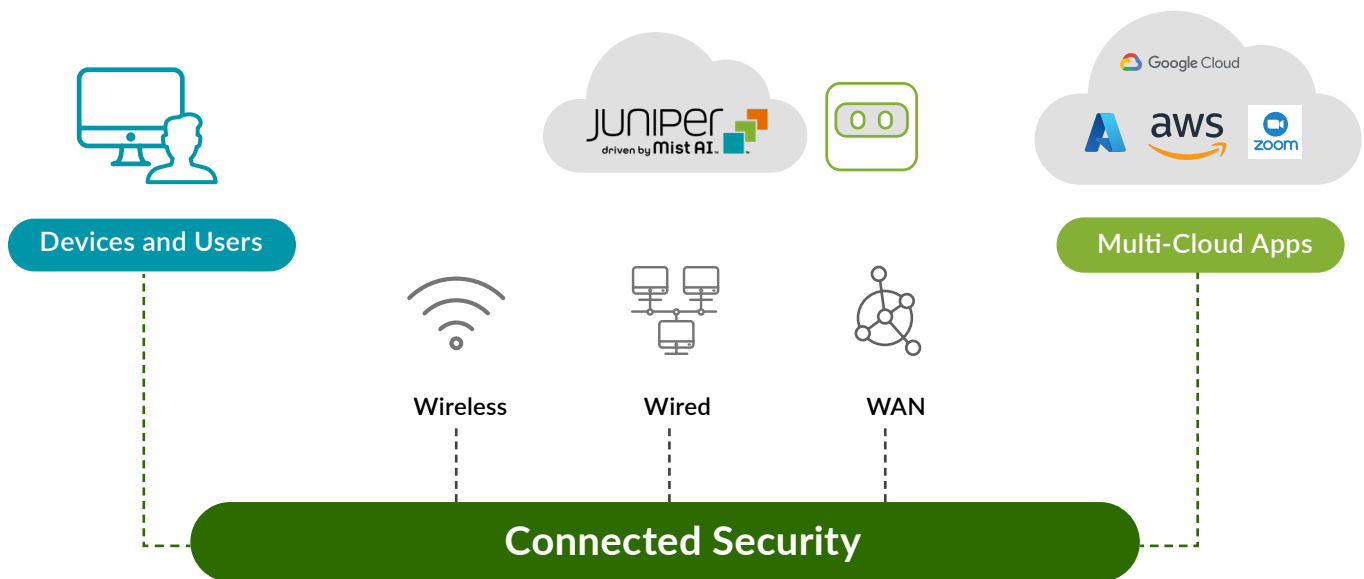**Connected Security**

In an AI-driven enterprise, a simple and secure branch starts with flexible, secure connectivity to the enterprise network and multicloud.

Juniper's AI-driven SD-Branch solution provides this with AI-driven SD-WAN powered by Session Smart Routing, branch LAN switches, and Mist Wi-Fi — all managed from the Mist Cloud.

Enterprises, if they choose, can manage their own instance or consume SD-Branch through a systems integrator or service provider's managed offering.

Regardless, all options benefit from centralized visibility and orchestration of network and security policy. All automate and secure a software-defined branch that accelerates and ensures business services while improving economics and end-user application experience.

Benefits

IT User

- Automate and expedite configuration and deployment with flexible and easy-to-use templating tools
- Quickly get devices up and running with Zero Touch Provisioning (ZTP) claim codes
- Reduce mean-time-to-repair (MTTR) with AI-driven insights from client to cloud
- Leverage open APIs for third-party integration and a microservices cloud architecure for increased agility and reliability

End User

- Tunnel-free SD-WAN architecture allows for fast, reliable, and secure connectivity for superior experiences
- Seamless application failover for uninterrupted voice and video
- Proactive, AI-driven insights allows IT operators to find and resolve network issues quickly — often before the end user feels the impact

Security

- Built-in Zero Trust Security with deny-by-default and multi-hop authentication
- Adaptive encryption and hypersegmentation allow for strong security without compromising performance
- SASE ready with seamless connections to Juniper or third pary SSE.

Financial Benefits

- Reduce time-to-value by getting the network up and running quickly
- Tunnel-free architecture reduces bandwidth costs
- Find and resolve network issues faster, reducing costly downtime and improving productivity

Components of the AI-Driven SD-Branch

Mist AI and Cloud

Design, deploy, and operate the AI-driven branch from a single dashboard.

Marvis Virtual Network Assistant

Ask the Marvis conversational interface about network performance and get prescriptive actions to improve the end user experience.

WIFI
- Wireless Access Points
- Mist Wi-Fi Assurance

SD-WAN
- Session Smart Routing
- Mist WAN Assurance

LAN
- EX Series Switches
- Mist Wired Assurance

Learn More

Read: Client to Cloud Assurance with an AI-driven Enterprise Solution Brief

Join a Live Demo: The AI-Driven Enterprise

Watch: Deploying a Full Stack Branch with Mist AI

JUNIPER NETWORKS | Driven by Experience™

APAC and EMEA Headquarters
Juniper Networks International B.V.
Boeing Avenue 240
1119 PZ Schiphol-Rijk
Amsterdam, The Netherlands
Phone: +31.207.125.700
Fax: +31.207.125.701

Corporate and Sales Headquarters
Juniper Networks, Inc.
1133 Innovation Way
Sunnyvale, CA 94089 USA
Phone: 888.JUNIPER (888.586.4737)
or +1.408.745.2000 | Fax: +1.408.745.2100
www.juniper.net

9040209-002-EN   Aug 2023