

The Juniper Mist AI-Native Journey

Walk with us through Juniper's AI journey — from our beginnings as Mist Systems to our latest inventions and releases.

2014-2018

— The Mist Era —


The AI-Native network is born.

Mist



Mist Systems is founded, revolutionizing Wi-Fi network operations with AI and the first modern, elastic cloud.

2014



Mist introduces Marvis, the world's first virtual network assistant.

2018

2019-2023

— The Juniper and Mist Era —

Mist transforms the campus and branch with the first integrated, AI-powered, LAN and WAN.

JUNIPER
driven by Mist AI




Juniper acquires Mist and AIOps goes mainstream.

2019



Mist/Marvis learns about wired switching, resulting in the first AI-powered wired and wireless access network in the industry.

SSR




Marvis meets the Session Smart Router. Juniper acquires 128 Technology for tunnel free SD-WAN that provides granular WAN telemetry to the Mist AI engine. The Campus and Branch gets Mist AI.

2020




Customers can deploy SD-WAN from Mist Cloud (day 0/1).

2021



Customers can deploy SD-WAN from Mist Cloud (day 0/1).

2020



Marvis gains new switching actions, IT experience continues to improve.

2021



Marvis integrates with LLM, enabling advanced documentation and support queries.

Hey Marvis, troubleshoot Bob's Zoom call.

+ zoom



Marvis learns about Zoom and Teams. Application data is joined with network data. Shapley identifies/explains rootcause for poor Zoom experiences.

2022



Cloud-delivered network Access Assurance simplifies network security operations.

2023

2024-PRESENT

— Juniper AI-Native Networking Era —

2024

Juniper declares the industry's first AI-Native Networking Platform.


3 Pillars of the AI-Native Networking Platform

Right Data: Ask the right questions. What are users experiencing?

Right Real-Time Response: Proactive remediation with real AIOps

Right Secure Infrastructure: Cloud-native for sustainable scale and agility

2024



Marvis expands to the data center.

AI-Native Sustainability Goals



2040 Committed to net zero emissions


-25% by 2030 Reduce supply chain emissions

2024




Marvis Minis are born, simulating users.

2024



Marvis expands again to the WAN edge.

2024



Marvis enhanced with Application Experience Insights dashboard (Application Experience SLEs)

Notable industry trends

- \$6** billion global internet users in 3 years
- 2X** increase in connected devices by 2028
- 30%** increase in video streaming per year

Customer KPIs and benefits

- Up to **85%** fewer truck rolls
- Up to **9X** faster to deploy
- Up to **90%** fewer trouble tickets

Industry recognition

- 99%** Cyber Ratings efficacy
- 4X** Leader in Gartner Magic Quadrant for Enterprise Wired and Wireless LAN Infrastructure



Scan or click the QR code to explore our full range of AI-native and on-demand events and join us to learn more about how Juniper's AI-Native Network is setting a bar for exceptional networking experiences.