

Transforming Networking for a Seamless Future

Exploring the partnership of Juniper's Mist AI
ecosystem with Resilient Networks.





Resilient Intelligent Networks

Resilient Intelligent Networks a provider of networking solutions and support, caters to a global client base and collaborates with top software and solutions providers to meet their technology needs including Juniper Networks. Initially focused on the public education sector, Resilient expanded its client base to include the oil and gas, healthcare, retail, and commercial sectors, primarily serving organizations with 500 to 2000 users across multiple locations and regions since 2006. They offer "best of breed" technologies, providing customized networking, data security, and IT integration solutions.



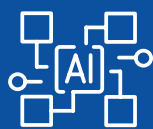
Juniper Networks

Driven by Mist AI, delivers the secure, AI-Driven Enterprise (AIDE) used to optimize user experiences from client to cloud, with simplified operations across the WLAN, LAN, WAN, and security. Mist AI transforms network operations with AI-driven insights and automation for unprecedented simplicity, reliability, and predictability.

Their team of data scientists and cloud architects have decades of networking experience building out the network of the next decade. At the heart of the AI-Driven Enterprise is Marvis, the networking industry's first virtual network assistant (VNA) and Mist AI engine. Marvis is fundamentally transforming the way IT teams interact and troubleshoot the network, by leveraging AI to translate the growing volume and velocity of data into actionable insights and outcomes.

AI-Driven Enterprise (AIDE)

Juniper and Resilient are using Mist AI to revolutionize enterprise networking. By delivering unprecedented automation and insights, the Juniper Mist AI Platform saves time and money, maximizes IT productivity, and delivers the best networking experience to any digital user.



Economic Impact of Juniper Network's Wired and Wireless Access Driven by Mist AI

Economic Impact of Juniper Network's Wired and Wireless Access Driven by Mist AI

IT leaders must harness automation technology and build a network ecosystem that continually improves user experiences while simultaneously increasing operational agility. AI-driven operations and support are key as they optimize user experiences (UX) while lowering costs through operational efficiencies. A recent Total Economic Impact™ (TEI) study conducted by Forrester Consulting found the Juniper Mist solution:



Reduced total time spent resolving network-related help desk tickets by 85%

The Juniper Mist solution offers deep insights into wired and wireless networks with features such as rapid root cause analysis, proactive anomaly detection, and automated event correlation. With a more agile network solution, organizations experienced a 70% reduction in network-related tickets and reduce its mean time to resolution (MTTR) for technical issues from one hour to 30 minutes. This results in savings of nearly \$148,000 in network support costs over three years.



Decreased deployment time by 50%

Moving to an automated, templated deployment with Juniper's cloud-based platform increased speed-to-deployment while making it easier to scale than previous on-premises solutions. This saved \$151,000 over three years.



Retiring previous network management solutions saved more than \$1 million over three years

When organizations replaced their on-premises legacy tools with Juniper, they were able to stop paying license and hosting fees for those solutions.



Improved end-user productivity saved more than \$75,000 over three years

Network end users saw fewer network issues within their organizations' Juniper environments due to the platform's ability to proactively detect faults before they become a critical issue. This decreases disruptions to end-user workdays by an average of 30 minutes per ticket for the users affected by the issues.



Solutions Enabling the AI-Driven Enterprise

Juniper has brought true innovation to the networking space with the world's first AI-driven wired and wireless network.

The Juniper Mist™ AI Platform makes networking predictable, reliable and measurable with unprecedented visibility into the user experience. Time-consuming manual IT tasks are replaced with AI-driven proactive automation and self-healing capabilities, lowering networking operational costs and saving substantial time and money.

Juniper Mist AI Platform

Juniper makes it easy to add or remove new features by leveraging a microservices cloud architecture driven by Mist AI. New enhancements and bug fixes are delivered almost weekly without network disruption. Services scale up or down elastically when they're needed, eliminating the cost and complexity of monolithic hardware. Plus, the Juniper Mist platform is inherently resilient as the failure of one service does not impact others.

AI-Driven Campus Fabric Management

Juniper's AI-Driven Enterprise portfolio enables customers to scale and simplify the deployment of their campus wired and wireless networks while bringing greater insight and automation to network operators. An enhancement to the Juniper Mist Cloud and AI engine, EVPN-VXLAN campus fabric management is part of Wired Assurance, and it expands on Juniper's unique automation, AIOps, and cloud capabilities to streamline IT operations, lower IT costs, and deliver unparalleled agility and scale. It helps IT teams:

- Simplify device onboarding using a QR code
- Provide cloud-based EVPN-VXLAN configuration using intent and choice of topology
- Verify, apply, and confirm intent once fabric is provisioned

IT teams using AI-driven campus fabric management can easily onboard, deploy, and manage campus fabrics at scale from the Juniper Mist cloud.

The Juniper Mist™ AI Platform makes networking predictable, reliable and measurable with unprecedented visibility into the user experience.





Wireless Access Points

Juniper is leading the convergence of Wi-Fi, Bluetooth® LE, and Internet of Things (IoT) with our enterprise-grade Access Points. The Juniper Access Points work in conjunction with the Juniper Mist Cloud Architecture and Mist AI to collect and analyze metadata in near real-time from all wireless clients.

Juniper Networks EX Series Switches

EX Series switches are cloud-ready, high-performance access and distribution/core-layer devices for enterprise branch, campus, and data center networks. With the EX Series, wired access networks don't have to be complex—you can reduce risk and cost without compromising performance, quality, or innovation. Easily onboard, configure, and manage the switches and operate campus fabrics at scale with the Juniper Mist Cloud. Combine the EX switches with Juniper's Wi-Fi portfolio for a unified wired and wireless solution, driven by Mist AI, that delivers simple and secure connectivity at scale.

Juniper Mist Wired Assurance

Deliver better experiences for connected devices with AI-powered automation and service levels. Wired Assurance leverages rich Junos telemetry from EX Series Switches to enable simpler operations, shorter mean time to repair and improved visibility into end-user experiences of wired devices. Features include:

- Wired Service Levels
- Root Cause Identification in One Click
- AI-Driven Switch Insight
- Simplified Onboarding

Marvis Virtual Network Assistant

Meet Marvis—the first interactive, virtual network assistant for The Self-Driving Network™. It helps IT teams get to answers in real-time by streamlining operations and simplifying troubleshooting, while boosting user experiences. Experience:

- A Conversational Interface
- Marvis Actions for The Self Driving Network
- Anomaly Detection
- Correlate Data to Understand Scope
- Accurate Root Cause Analysis

Real World Success Stories

Juniper and Resilient are using Mist AI to revolutionize enterprise networking. By delivering unprecedented automation and insights, the Juniper Mist AI Platform saves time and money, maximizes IT productivity, and delivers the best networking experience to any digital user.

Optimize Warehouse Operations with AI

To continue accelerating the rapid growth in Parts Supply Co.'s manufacturing business, their IT team had to identify a solution which would support:

- Growth and scalability in a cost-effective manner
- Delivery of a high performing network that minimizes operations downtime
- Growth in IoT devices connecting to the network

Challenges they faced included:

- Warehouses rely on Wi-Fi as their only connectivity for most devices
- RF environment is dynamic due to moving pallet racks and inventory stacking
- Robots are sensitive to network issues
- Soaring number of IoT devices
- Difficulty in locating products and machinery

Parts Supply Co. deployed 6,000+ Mist AP41, AP61, Mist Wi-Fi Assurance Service, Mist Marvis Service, and Mist Asset Location Service which resulted in improved Wi-Fi performance, automated RF optimization, accelerated deployment of sites with APIs, accelerated helpdesk operations, and optimized flow of inventory.



Dartmouth Transforms the Campus Experience with Ai-Driven Insight and Automation

Dartmouth College set out to offer a best-in-class Wi-Fi experience to students, faculty, and administrative staff which meant a complete network refresh, from the fiber to access points.

By leveraging technology solutions including the Mist Platform, QFX10002 Switches, and EX3400 Ethernet Switches, Dartmouth achieved:



A dramatic increase in student and faculty satisfaction with a scalable, flexible campus network



New visibility into the Wi-Fi user experience and root causes of issues



An empowered college to predict problems before they arise



The use of AI and automation to speed deployment

Why Resilient and Juniper Networks

The partnership between Juniper and Resilient represents a convergence of cutting-edge technology and unwavering commitment to comprehensive networking solutions. Juniper's Mist AI-driven innovations seamlessly integrate with Resilient's robust infrastructure, delivering a powerful suite of solutions that address the diverse needs of clients in the ever-evolving digital landscape. Forrester's Total Economic Impact™ study underscores the tangible benefits, showcasing substantial cost savings and efficiency gains while real-world success stories, such as the optimization of warehouse operations and the transformation of Dartmouth's campus experience, showcase how network management can lead to better business outcomes.

Together, Juniper and Resilient offer clients not only state-of-the-art solutions today but also future-proofing and scalability for the challenges and opportunities of tomorrow. This partnership is more than a collaboration; it is a fusion of expertise, innovation, and a shared commitment to excellence, paving the way for a transformative journey towards an AI-driven future where networks are resilient, intelligent, and primed for success.