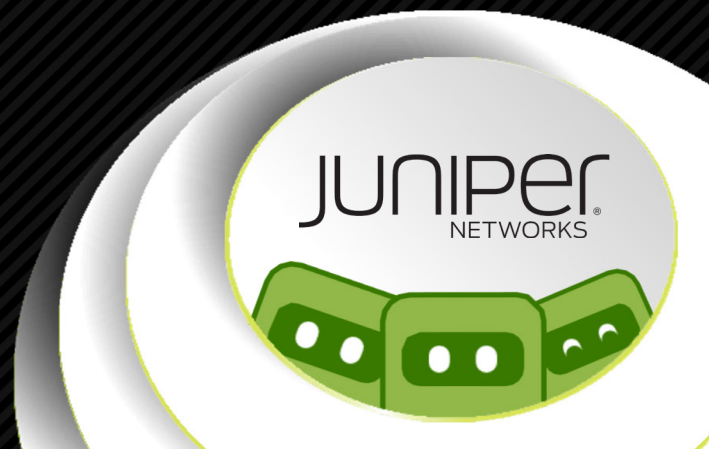# Marvis Minis

Streamline troubleshooting from client to cloud
with AI-native networking digital experience twins

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Why it's time for Marvis Minis

Next-level client-to-cloud network services and application insights

Forget everything you know about digital twinning and synthetic testing—Marvis Minis are a huge leap forward in network and application service insight. Marvis Minis build on more than eight years of learning to enable your network to:

01 **Simulate connections**
Employ proactive measures to simulate end user, client, device and app traffic from client to cloud to maximize site and org-level insights

02 **Level up insights**
Use machine learning to constantly gather contextual information about the network's activities

03 **Proactively fix issues**
Identify networking issues so you can address them before they impact end users, applications, or devices

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Smarter networks, smoother operations

Meet Marvis Minis

AI-native network twins

Think of Marvis Minis as digital experience twins that are supercharged by AI. They proactively simulate users, devices, and apps—now from client to cloud—to detect issues before they impact user experiences.

Built into the Marvis AI Assistant

Marvis Minis are an extension of the Marvis AI Assistant cloud and available at no additional charge—with no additional hardware or software requirements.

Transformative client-to-cloud management

Leave behind "black hole" config changes and reactive processes.

Exceptional user experiences

Learn what's wrong with the network and fix issues in real time to eliminate up 90% of networking trouble tickets.

Maximum value, minimal investment

Spend less time and money chasing issues with a self-configuring, auto-learning assistant.
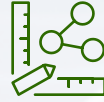
Actionable insights, quick impacts

Marvis Minis in the real world

Explore select examples relevant to all industries and verticals.

Enterprise   Site expansion and cutover

A major SaaS provider used Marvis Minis to validate user connections prior to a new site cutover. Marvis Minis simulated user and device behavior, identifying black-holed traffic on three access points (APs) connected to a single switch. The customer fixed the issue before it impacted users. Now they rely on Marvis Minis for continuous network experience validation and remediation.

Higher education   Site expansion

Before launching the wireless network at a new site, a large West Coast university deployed Marvis Minis to actively validate user connections, revealing that APs on two out of 18 switches weren't enabled for production VLAN, leading to connectivity issues. The university resolved the issues, avoiding disruptions for students, staff, and faculty. It now relies on Marvis Minis to maintain seamless network performance.

Enterprise   Application issue

A large internet service provider supporting wireless campuses deployed Marvis Minis client-to-cloud capabilities. Marvis Minis proactively detected an application failure at one of their sites. During dynamic PCAPs for application validation, Marvis Minis captured transmission control protocol (TCP) retransmissions without a TCP SYN flag set from the affected domains. The provider traced the issue to a third-party distribution switch with a MTU problem and fixed it, preventing any impacts on users.

Higher education   Configuration troubleshooting

A private East Coast university deployed Marvis Minis to identify potential configuration issues within a VLAN. While validating the VLAN scopes, Marvis Minis flagged APs that were incorrectly enabled for an IoT VLAN. The IT team swiftly resolved the issue by disabling APs connected to the switch port, resolving the potential security issue.

Healthcare   Change validation

A major U.S. pharmacy uses Marvis Minis to validate wireless network performance after configuration changes. In one instance, Marvis Minis detected an application reachability failure related to a firewall rule change that would have blocked clients from reaching the internet. Marvis Minis now ensure ongoing optimal connectivity for the pharmacy's wireless users.

Retailer   WAN configuration error

A major retailer deployed Marvis Minis to identify issues within their SD-WAN configuration. Marvis Minis validated that hub servers were no longer reachable from the spoke, identifying that current traffic steering was only routing through node 0. To resolve the configuration error, the retailer adjusted the SD-WAN steering to route traffic through both node 0 and node 1, ensuring optimal end-user experiences.

At your service, just flip the "switch"

In addition to accelerating network issue identification and resolution, one of the best things about Marvis Minis is that they're ready to go with no configuration. Marvis Minis are included in Marvis® AI Assistant—all you need is an active Marvis subscription to start delivering exceptional client to cloud network experiences with much less legwork.

CHECK OUT OUR DEMO:

How the Marvis AI Assistant Simplifies Network Management: A Deep Dive into Proven and New Features

Register now

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