

Cisco Wireless AgenticOps



Cisco® Wireless transforms network operations with AgenticOps features to put you on the path to autonomous networking.

Innovations in this category give IT teams greater visibility and control, allowing you to proactively detect issues, reduce Mean Time to Resolution (MTTR), and keep users connected with confidence.

Built on a unified platform, AgenticOps for Cisco Wireless is underpinned by hardware convergence, a common user experience, and programmable infrastructure. This approach delivers proactive and predictive wireless operations regardless of your environment—on-premises or in the cloud.

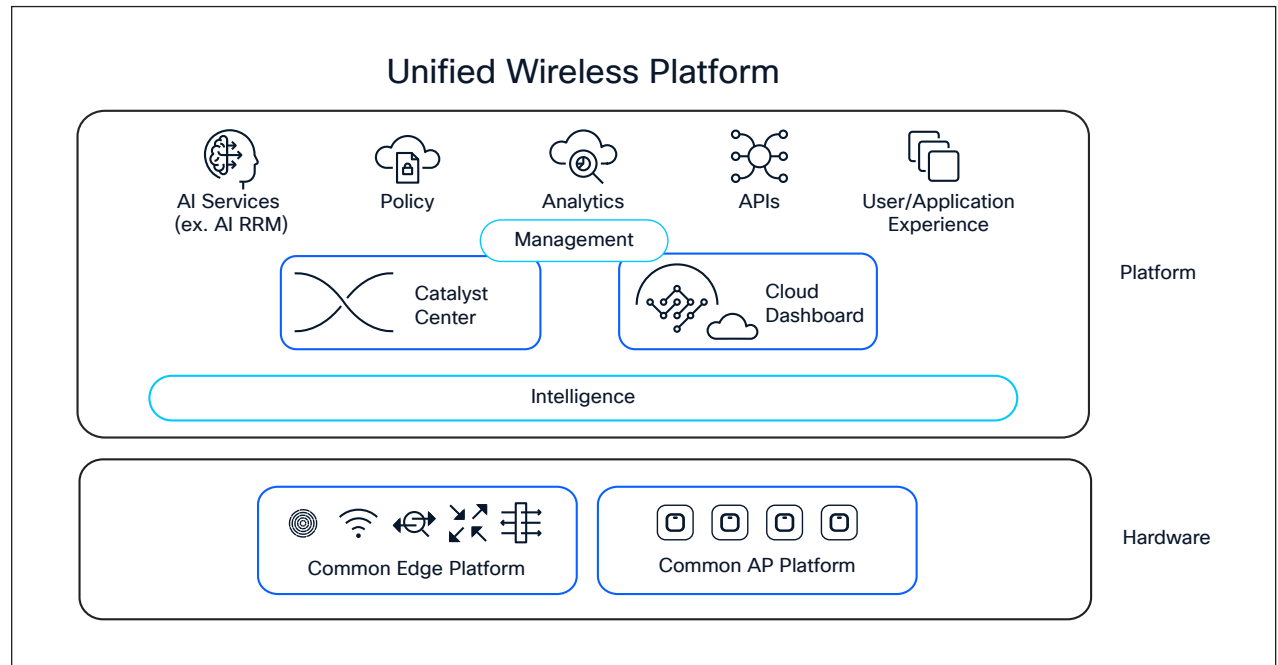


Figure 1. Cisco Unified Wireless Platform

“Cisco makes it easy to investigate when, where, and what caused a problem on which AP, which has been very effective in shortening response times.”

Doshisha University

The Wireless First workplace transformation

From interactive retail and changing work practices to connected machines and AI everywhere, the workplace transformation is in full swing. And this transformation is wireless first.

Wi-Fi is the frontline wireless technology in the workplace for users, things, and machines. Meeting the demands of future workplaces—faster innovation, higher user expectations, and diverse client ecosystem—means Wi-Fi is fast becoming business critical.

Pulling IT to the center of business transformation can be challenging for IT teams. They are already stretched thin managing Radio Frequency (RF), investigating client-specific issues, and acquitting Wi-Fi when the problem is beyond the WLAN. To be successful, IT needs help getting away from firefighting and shifting priorities to ensure that they:

- **Keep the experience alive:** End users care about application performance and experiences, not bitrate, and it's the Wi-Fi that gets the blame.
- **Solve problems faster:** Wireless downtime continues to become more expensive. IT teams are focused on the number of outages and the speed at which problems are resolved.

- **See beyond the network:** The modern network is diverse, with more devices, more applications, and a wider geographic area, meaning that IT needs visibility into apps and infrastructure from access point to cloud.

The Benefits: Enabling the future-ready workplace

Cisco Wireless helps IT keep pace with the demands of the evolving workplace by simplifying and accelerating network operations with AI.

- **Save time and effort managing network operations** with intelligent and automated RF health and Radio Resource Management (RRM). Together with faster wireless configuration this simplifies wireless operations and gets ahead of trouble before it's even on the radar.
- **Simplify client troubleshooting** by bringing greater visibility into how clients roam and OS versions, plus network-wide roaming information.
- **Find and solve problems faster** with automated root cause analysis, remediation of network issues, and visibility beyond the AP to pinpoint if the problem is the Wi-Fi, the app, or the service.





How Cisco helps IT realize the benefits of Wireless AgenticOps

When you bring together AgenticOps with Cisco Wireless you start your journey to true autonomous wireless networking. Cisco Wireless goes beyond passive observation and only dashboard alerts, enabling you to unlock automated root cause analysis and achieve active restoration for the network.

Cisco Wireless delivers AI-powered operations from Day-0 to Day-N:

Day 0/1: Lay the Digital Foundation

Ease design, planning, and deployment using AgenticOps principles to validate the physical environment and improve wireless configuration with agentic automation eliminating manual entry errors that cause downstream failures.

Day 2: Accelerate Mean Time to Innocence

Faster assurance and troubleshooting using AI to democratize complex wireless issues. Automatically gain insights and suggestions from packet captures, run live diagnostic tests with auto remediation, and pinpoint problematic roams before a human engineer opens a ticket.

Day N: Closed-Loop Operations

Simplify optimization, lifecycle management, and remediation with agents that monitor long-term RF trends, keep a pulse on hardware end of life, and execute remediation automatically. Move from reactive patching and manual lifecycle management to proactive, self-learning operations.

Operational Category	Supporting Features
Day 0/1	<p>AP Zero Touch Device Deployment: Proactively identify and provision APs so devices come online fully configured, skipping the staging phase.</p> <p>AP Auto Locate: Triangulate the precise location of every AP using Global Navigation Satellite System (GNSS) in existing APs and Fine Time Measurement. APs snap to their exact map coordinates automatically, building a digital twin for location services.</p> <p>AI Maps in Cisco Spaces: Use computer vision plus models trained specifically on CAD layers to transform CAD floorplans into dynamic georeferenced 3D maps.</p> <p>AI Network Config: Proactive AI-driven approach to monitoring the network and making necessary configuration changes as new devices are added or changes occur</p>

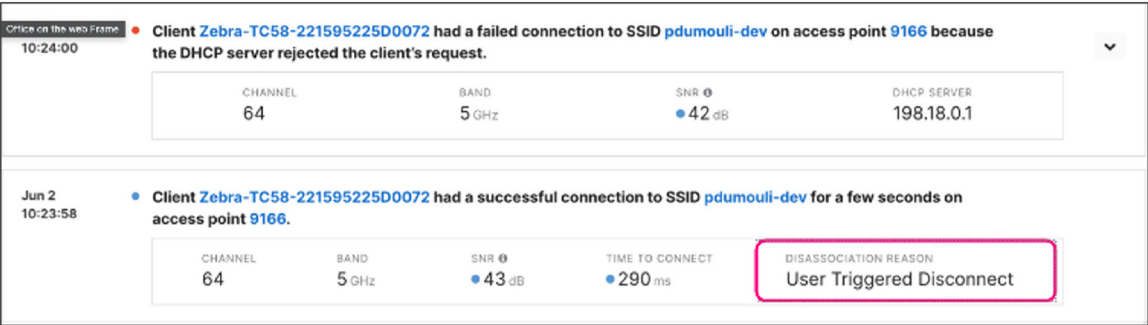


Operational Category

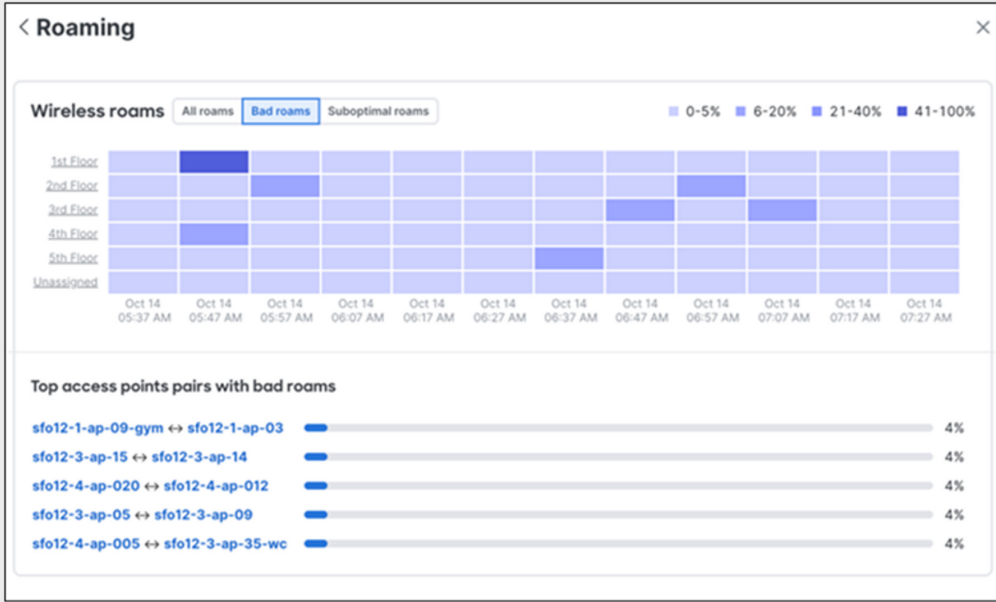
Supporting Features

Day 2

Client analytics: Native client integrations with Apple, Intel, Samsung, and now Zebra (cloud only) enable real-time device identification, profiling, and troubleshooting.



Roaming analytics: Visualizations, categorizations, and roaming behavior data at the client and aggregated network level help improve troubleshooting time and effort.





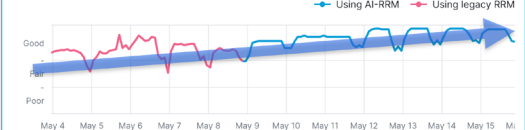
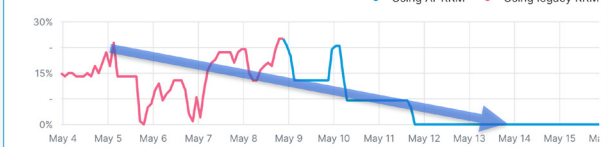
Operational Category	Supporting Features
	<p>Intelligent Capture with AI packet capture analysis: A black box for your network automatically collects wireless packet captures at every connection failure. AI packet capture analysis uses multi-modal AI models converting packet capture data into automated actions and actionable insights.</p> <p>Automated wireless Root Cause Analysis (RCA): AI-driven insights and predictive analytics help identify and expedite the resolution of network issues, reducing troubleshooting time from days to minutes.</p>
Day N	<p>AI-enhanced RRM: Make manual RF management a thing of the past with automated RF intelligence. Cisco AI-RRM provides better connection quality, lower latency, and fewer reconnections.</p> <div><p>AI-RRM Before and After – Measurable AI Advantage Typical Network examples with medium network density – (AP Density of 9)</p><div><p>+22% RF health score improvements</p><div><p>AI-RRM insights 5 GHz Total radios: 39</p><p>RF Score Last enabled May 8, 2025</p><p>Insight: 22% RF Health Score improvement, after AI-RRM was enabled.</p></div><p>-69% less High Co-Channel Interference</p><div><p>High Co-Channel Interference Last enabled May 8, 2025</p><p>Insight: 69% less high co-channel interference radios, after AI-RRM was enabled.</p></div></div><div><div>Red</div> Before AI-RRM gets enabled, using legacy RRM (autoRF)</div><div><div>Blue</div> After customer enabled AI-RRM</div></div>

Figure 2. AI-RRM before and after



Operational Category	Supporting Features
	<div><p>“Cisco has enabled us to be more efficient, leveraging tools like Cisco AI-RRM so we don’t have to spend as much time tweaking our wireless environments.”</p><p>Nutrien</p></div> <p>AP Zero Touch Deployment: Reduce upgrade time and costs needed to provision APs with automated, bulk migration of configurations.</p> <p>Active Testing powered by Cisco ThousandEyes®: Use access points to run tests that reveal comprehensive diagnostics beyond basic network metrics. This capability speeds up issue resolution and proactively assures readiness.</p> <p>AI Config Recommendations: Continually assess network and client readiness, predict performance improvements or degradation based on configuration changes, and suggest configurations for performance and security improvements.</p> <p>Automated RF health management: An always-on RF audit highlights problematic bands and provides RF scoring and insights on critical RF categories—neighbors, interference, noise, etc.</p>

Learn more

Explore Cisco Wireless AgenticOps features in our [on-premises](#) and [cloud](#) demo environments.

To learn more about how you can enable Wireless AgenticOps features for your operations, contact your Cisco account representative .