

CISCO *Connect* Brasil

ALL IN



The bridge to possible

Accelerating the Data-Defined Network

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VP Product Management
R1 B2



Agenda

Next Generation Meraki Cloud

Next Generation Meraki Dashboard

Meraki Health

AI-powered Auto RF

Closing Thoughts

Next Generation Meraki Cloud

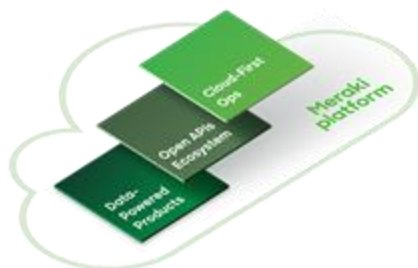
The Meraki platform: a foundation for **IT and IoT**



MERAKI DASHBOARD



Built-in solutions



API
Tailored solutions



CUSTOM BUILT

developer.cisco.com/meraki



TECH PARTNERS

meraki.com/marketplace

ACCESS

Three icons representing network access: a white Wi-Fi access point, a network switch, and a dark circle with 'SM' in green.

Wi-Fi Switching Mobile device management

SD-WAN

Two icons representing SD-WAN: a black SD-WAN router and a white cellular gateway device.

Security and SD-WAN Cellular gateways

IoT

Two icons representing IoT: a white smart camera and a white sensor device.

Smart cameras Sensors

Create **consistent policies and permissions** for all users, regardless of how they are connected

Secure and prioritize business-critical communication and applications

Enhance resiliency, agility, and performance with policies designed to optimize connectivity

Enrich user experiences and reduce time to isolate problems with **deep visibility** and **assurance** across the infrastructure

Next-generation WAN and Wi-Fi establishes high-speed teleworking with resilient uplinks



1. Hybrid Work

powered by Meraki

OFFICE

Sensor-enabled space usage and activity monitoring for social distancing and cleaning

Asset tracking surfaces insights on equipment activity and tool usage

PUBLIC

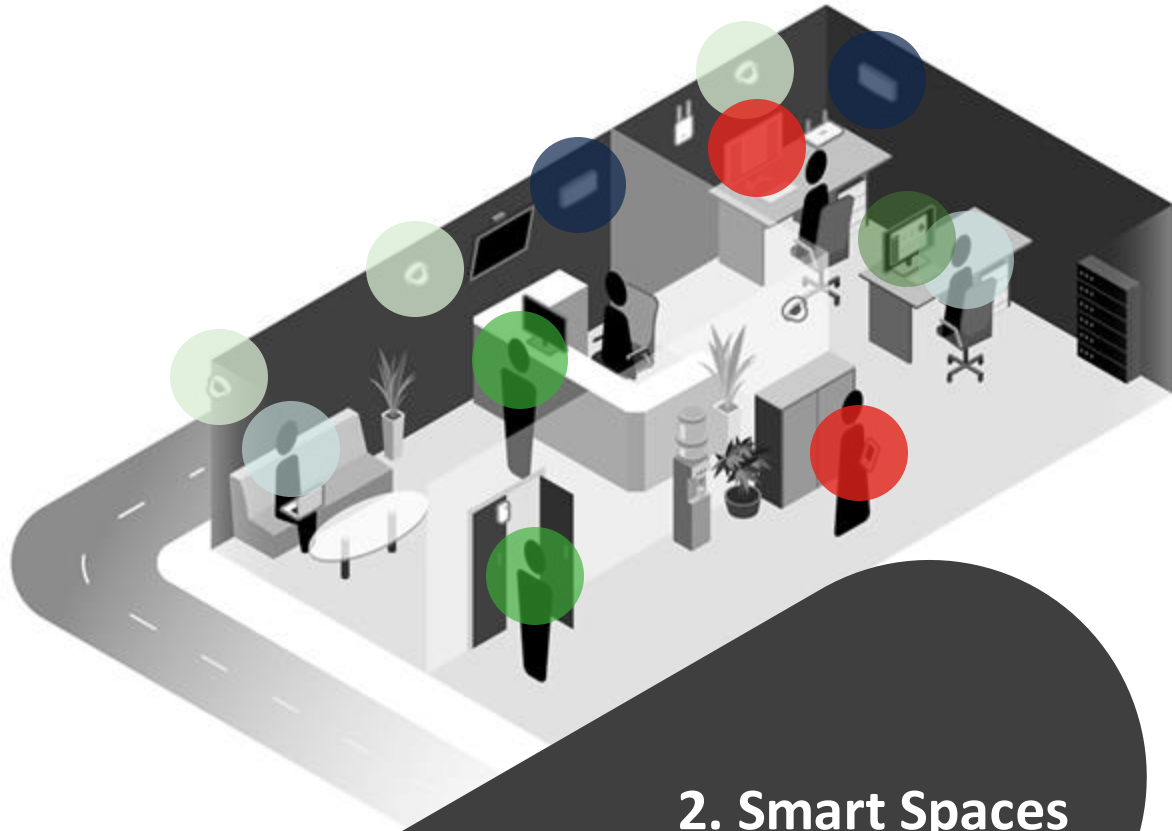
Tailored communications deliver personalization

Contactless engagement allows for touchless point of sale and customer service

RESTRICTED

Environmental monitoring secures critical infrastructure and manages compliance

Power and energy monitoring improve carbon footprint and save energy



2. Smart Spaces powered by Meraki

Making the cloud **work for you**

Your network defined by data



700k+
customers



99.99%
cloud SLA

4M+

Customer
networks

12M+

Meraki
devices online

190+

Countries
in network

7B+

External API
monthly calls

315M+

Daily end-user
devices

250M+

Daily splash
pages served

Born in the cloud, growing daily, and **trusted everywhere**

Meraki Cloud: History



Gen 1 – 2006

Gen 2 - 2014

Gen 3 - 2018

Gen 4 - 2021

Meraki Cloud for the next decade

10x scale

Global Expansion

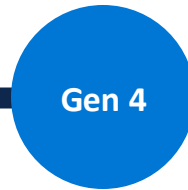
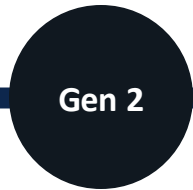
Higher performance

Powering new Cisco product lines

Next Gen Cloud Architecture design



Meraki Cloud: Evolution



Next Generation Meraki Cloud



Scale

Elastic services for
increased
burst capacity



Security

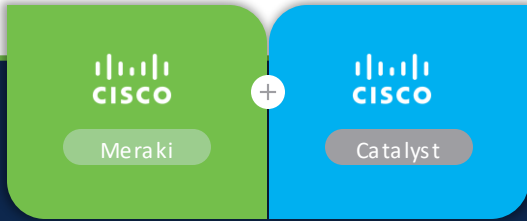
Hardened infrastructure



Speed

Increased velocity
of innovation and
expansion

Launchpad for Cisco products



Catalyst management with
Meraki Dashboard



Cloud Monitoring



Cisco+ Secure Connect

Meraki Platform

Next Generation Meraki Dashboard



Today: Integrations to **automate and scale**



CISCO PORTFOLIO



Cisco ISE



Cisco AnyConnect



Cisco AMP



Cisco Snort IDS/IPS



Cisco Umbrella



Cisco Secure Network Analytics



Cisco Duo

MERAKI PORTFOLIO



APIs + ECOSYSTEM

200+ apps, 500+ use cases

Hybrid Work

hot desking, flex office

Smart Spaces

asset tracking, IoT sensors

Safe Environments

contact tracing, safe occupancy

Analytics

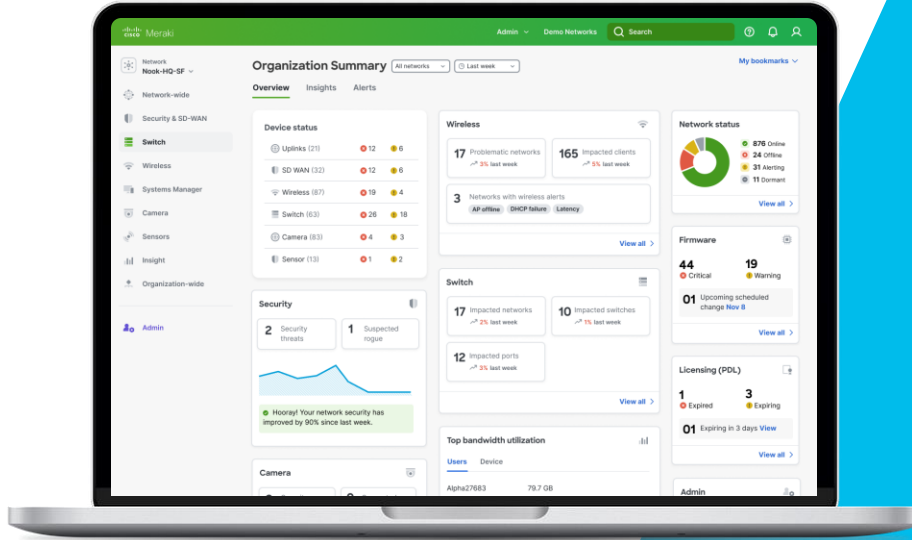
footfall analytics, usage optimization

Marketing

guest Wi-Fi, online to offline

+ 25 more categories

Evolution of Meraki Dashboard



Improved user experience

Outcome based workflows

Intuitive and consistent UI

Actionable insights

Higher performance & scale

Beta NOW

Next Gen Dashboard Landing Page

Enhanced intelligence and
automation

Consolidated alerts

Unified platform

The screenshot displays the Cisco Meraki dashboard interface. At the top, there's a navigation bar with the Meraki logo, 'Demo Networks', 'Admin', and a search bar. The main content area is titled 'Welcome, Avery' and includes a notification: 'Your organization has issues that require your attention'. Below this, there are four 'Device health' cards: 'Uplinks' (1/2 Healthy, Offline), 'Security Appliances' (2/2 Healthy, Online), 'Switches' (81/134 Healthy, Alerts), and 'Wireless' (1289/1289 Healthy, Online). A section for 'Alerts' shows a list of recent issues, including power supply offline, unreachable devices, and firmware mismatches. At the bottom, a 'Networks' table lists various locations like Alameda, San Francisco, and London, with columns for Usage, Tags, Clients, MX, MS, and MR, each containing status indicators.

Network	Usage	Tags	Clients	MX	MS	MR
Alameda	222 TB	California quadrant	4578	1	22	344
San Francisco	222 TB	Tag	4578			1
Oakland Branch	222 TB		4578	1	22	344
Chicago	222 TB	Tag	4578			344
Scranton	222 TB	Tag	4578	1	22	344
Seattle	222 TB	Tag	4578		22	344
London	222 TB		4578		22	344
Munich	222 TB	Tag	4578		1	222
Sydney	222 TB	Tag	4578		22	222

Available now!

Global Overview

Global visibility focus

Streamlined access

Performance at scale

The screenshot displays the Cisco Meraki Global Overview dashboard. The interface includes a top navigation bar with the Cisco Meraki logo, 'Demo Networks', and 'Admin' options. A sidebar on the left shows 'Global Overview' and 'Organization Grand Chester Hall'. The main content area is titled 'Global Overview' and features a search bar and filters for 'Organization Status', 'License Model', 'License Status', and 'Device Status'. Below these filters, a table lists various organizations with columns for Organization, Networks, License status, License Expiration, License model, Unused license, MX, and MS. The table contains 15 rows of data, each representing an organization with its respective metrics and status indicators.

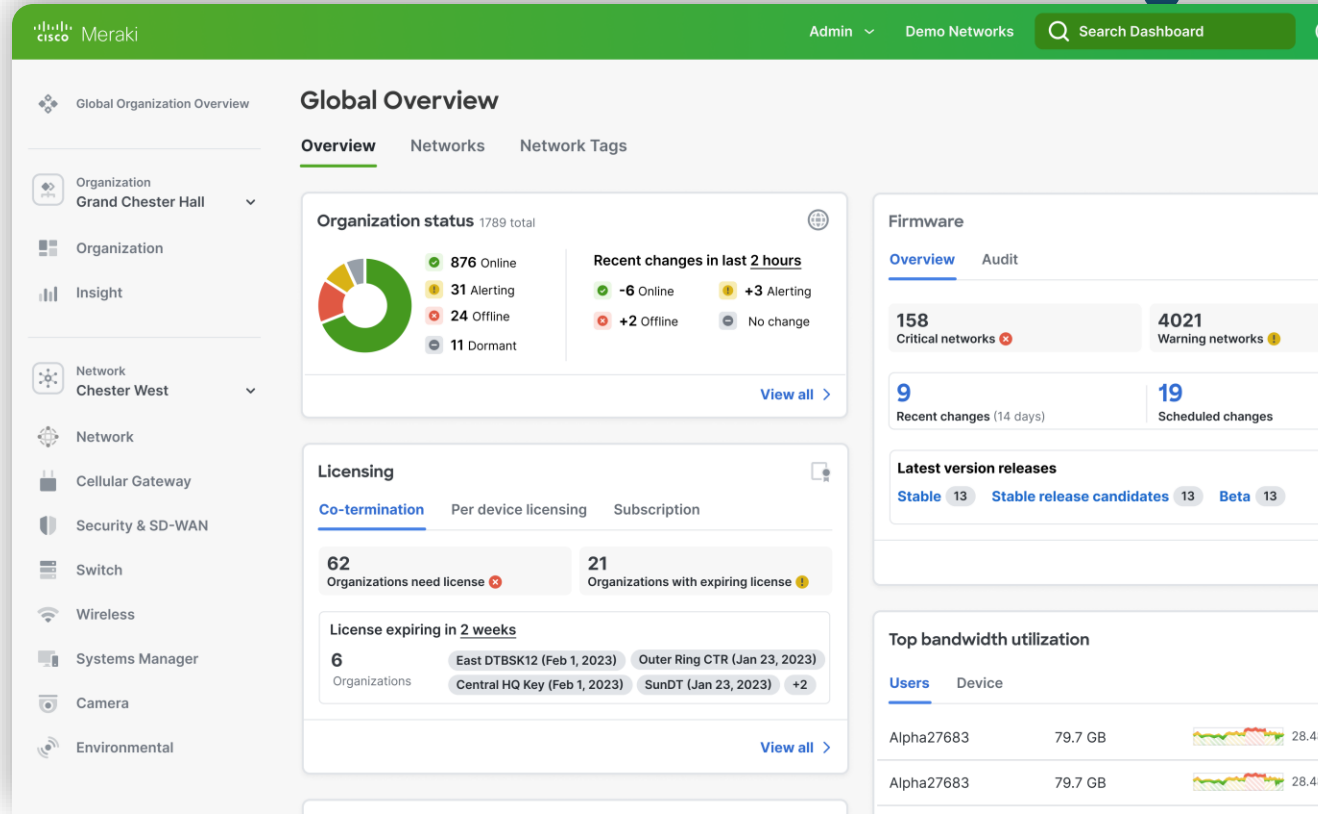
Organization	Networks	License status	License Expiration	License model	Unused license	MX	MS
ABC Corporation	7983	OK	May 28, 2022	Co-termination by org	0	30 12 11 223	30
CDN Corporation	234	Required	Apr 04, 2022	Co-termination by org	0	30 12 11 223	12
Clarity visionworks Corporate	843	OK	Oct 21, 2022 View more	Per device licensing	23	-	30
Dorro Suites	1113	Required	Nov 11, 2022	Co-termination by org	0	All online	All
Fish & Fry	4687	OK	May 28, 2022	Co-termination by org	0	All online	All
Galapagos Quarters	726	OK	Apr 04, 2022	Co-termination by org	0	30 12 11 223	30
Harry DD2292	386	Expiring	Dec 05, 2022 View more	Per device licensing	17	12 11 223	12
Jacksonville - Data Center	8634	Expiring	May 28, 2022	Co-termination by org	0	30 12 11 223	-
Monastery-AUR 367	444	OK	May 28, 2022	Co-termination by org	0	12 223	All
MCD 92724	974	Required	May 28, 2022 View more	Per device licensing	3	30 12 11 223	12
Northside East Wing 23	8736	Shutdown	May 28, 2022	Co-termination by org	0	-	30
South gate 29823	3434	OK	May 28, 2022	Co-termination by org	0	-	-
SDTN Corporation	674	OK	May 28, 2022	Co-termination by org	0	All online	All
Velocity 297924	345	OK	May 28, 2022	Co-termination by org	0	30 12 11 223	30

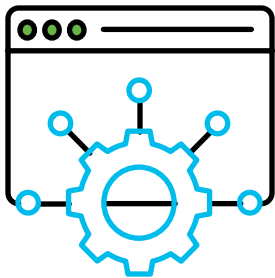
Concept

Multi-Org Insights

Global operations focus

Actionable Insights





What **APIs** can do on the Meraki Platform

Mass provisioning

Set up thousands of networks in mins

Network automation

Auto configure devices on custom criteria

Advanced monitoring

Monitor devices and trigger workflows on state

Advanced analytics

Generate data-rich reports on-demand

Cloud integrations

Integrate business systems and ecosystem applications

The most **expansive** app ecosystem in the industry



More outcomes for business

200+ applications

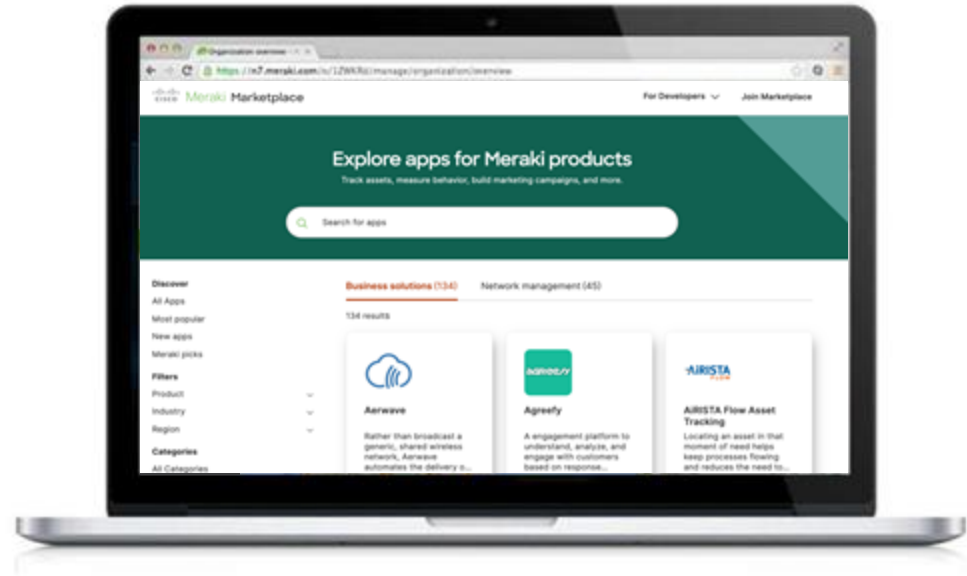
48 solution categories

500+ use cases

100+ customer wins

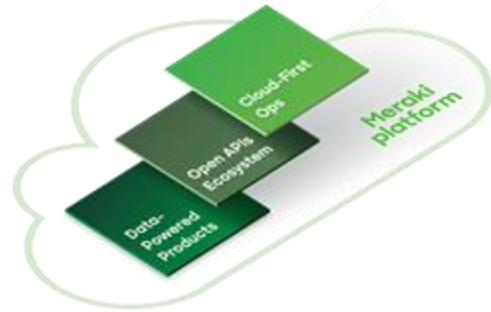
More apps

More categories



Meraki Health

Powering the future of IT operations



ANALYTICS

Billions of data points processed per day

INSIGHTS

Reveal insights to accelerate management and troubleshooting

RECOMMENDATIONS

Actionable recommendations accelerate problem solving and build confidence

OPTIMIZATION

Proactively offer improvements personalized per network

ZERO TOUCH

Automatically remediate and configure the network

Beta NOW

Health for the Organization

Intuitive focus on contextual information

Top-down view of network behavior

Trend analysis to quickly identify problem areas

The screenshot displays the Cisco Meraki Organization Summary dashboard. The interface includes a left-hand navigation menu with categories like Network, Security & SD-WAN, Switch, Wireless, Systems Manager, Camera, Sensors, Insight, and Organization-wide. The main content area is titled "Organization Summary" and features a "Health" section with several summary cards for Uplinks, MG, MX, MR, MV, and MS. Below this is a "Networks" section with a search bar and a table of network usage and client counts over the last week. The table includes columns for Network, Usage, Tags, Clients, MG, MX, MS, and MR, with rows for various locations like Hong Kong HQ, NY2 - office 5, Sydney refreshed, Seattle Data Center, LAX-331_rewq, Shanghai main hub, NY1 - cloud controller, Coffee shop 12, San Diego 8520 - 395, and Boston Cafe. Each cell in the table contains numerical data and status indicators (green for good, yellow for alerting, red for offline).

Network	Usage	Tags	Clients	MG	MX	MS	MR
Hong Kong HQ	53.9 MB	HQ - 1 Primary	120	1 Offline, 1 Alerting	1 Offline, 1 Alerting	7 Offline, 50 Alerting, 10 Online	7 Offline, 50 Alerting, 10 Online
NY2 - office 5	10.12 MB	Office	54	1 Offline, 1 Alerting	1 Offline, 1 Alerting	5 Offline, 10 Online	5 Offline, 10 Online
Sydney refreshed	4.16 TB	New	14	1 Offline, 1 Alerting	1 Offline, 1 Alerting	3 Offline, 1 Alerting, 10 Online	3 Offline, 1 Alerting, 10 Online
Seattle Data Center	829.5 MB	Lab Primary	348	—	2 Online	10 Online	170 Online, 12 Offline
LAX-331_rewq	4.98 GB	—	40	2 Online	—	10 Online	92 Online, 12 Offline
Shanghai main hub	5.33 GB	Primary	394	2 Online	2 Online	10 Online	223 Online, 12 Offline
NY1 - cloud controller	3.5 TB	—	36	—	—	10 Online	8 Online, 12 Offline
Coffee shop 12	89.42 GB	Cafe	18	2 Online	2 Online	10 Online	1 Offline, 12 Offline
San Diego 8520 - 395	1.2 TB	Office	85	2 Online	2 Online	10 Online	10 Online
Boston Cafe	10.6 GB	Cafe	5	2 Online	2 Online	10 Online	10 Online

Beta NOW

Alert Hub with **Guided Troubleshooting**

See network alerts from every Dashboard page

Easily navigate to alerting devices

Inline links to step-by-step troubleshooting

The screenshot displays the Cisco Connect Alert Hub interface. At the top, there is a green navigation bar with the word "works" on the left, a search bar labeled "Search Dashboard", and icons for user profile, help, and notifications. Below the navigation bar, the main content area is titled "Alerts" with a "Beta" badge. The location is identified as "Z - San Francisco - Lab and Guest".

The interface is divided into sections for "DEVICE HEALTH" and "CONNECTIVITY".

- DEVICE HEALTH** section contains two alerts:
 - CRC errors detected** (1): Detecting a very high number of CRC errors on **GUEST 5.3**. Time: Dec 31 12:28. Includes a "Suggested fix" button.
 - Power supply offline** (1): **IDF-LAB-5.2.2**. Time: Sep 26 08:42.
- CONNECTIVITY** section contains one alert:
 - Unreachable device** (1): **5.3 Beluga Guest**. Time: Aug 02 15:09.

At the bottom right, there is a summary bar: "Alerts for all networks" with a count of "620".

Beta NOW

Organization Alerts Page

Centralized alerts across all networks

Sort and filter to quickly focus on highest priority issues

Intuitive navigation and alert dismissal reduces noise

The screenshot shows the Meraki Alerts page for the 'Dripir HQ' network. The page is organized into several sections:

- Alerts Summary:** Shows 1 Critical, 12 Warning, and 0 Informational alerts.
- Alert List:** A table of alerts with columns for Priority, Alert, Details, Device, Network, Time (UTC), and Category. The table includes 12 rows of alerts, such as 'Power supply offline' and 'Misconfigured DNS'.
- Additional alerts and logs:** A section providing more context and links for the alerts.
- Alerts for this network:** A section for 'Dripir HQ' with sub-sections for Network alerts, Environmental alerts, and Organization alerts.
- Alerts for the organization:** A section for 'Dripir' with sub-sections for Insight alerts, Organization alerts, and a link to the Change log.

Priority	Alert	Details	Device	Network	Time (UTC)	Category
Warning	Power supply offline	11:3e:23:ea:33:33	MR	Dripir Vancouver	Mar 31 09:30	Device Health
Warning	Power supply offline	BISH-4-1-SW1-CAMS	MX	Dripir Vancouver	Mar 30 21:45	Device Health
Warning	Power supply offline	Main floor 4.03	MT	Hong Kong HQ	Mar 30 21:45	Device Health
Warning	Misconfigured DNS	Spare in 5th floor	MX	Hong Kong HQ	Mar 30 21:45	Configuration
Warning	Power supply offline	as:33:ea:33:33:33	MS	Dripir HQ	Mar 29 09:30	Device Health
Warning	Power supply offline	IT Imaging	MX	Hong Kong HQ	Mar 29 09:30	Device Health
Warning	Power supply offline	Closet 22.1	MS	London Bishopgate	Mar 29 08:11	Device Health
Warning	Outdated/unreachable configuration	Point Reyes floor		Hong Kong HQ	Mar 29 08:11	Connectivity
Warning	Unreachable devices	Bishopgate main AP	MR	Dripir Vancouver	Mar 29 08:10	Connectivity
Warning	Never connected to the Meraki cloud	Coffee bar on floor 4, north	MT	Hong Kong HQ	Mar 29 07:33	Device Health
Critical	CRC errors detected	Very high CRC errors detected on Closet 22.32 / 3	MS	Dripir Vancouver	Mar 29 07:33	Device Health
Warning	Misconfigured DNS	Main area 33-0001	MS	Hong Kong HQ	Mar 29 07:33	Configuration
Warning	Devices VLAN mismatch	VLAN mismatch exists between Closet 44-1 / 3 and Closet 117 / 8	MS	Waterloo 234233	Mar 29 07:33	Configuration



Life has enough challenges.

**Your wireless network doesn't have to be
one of them.**

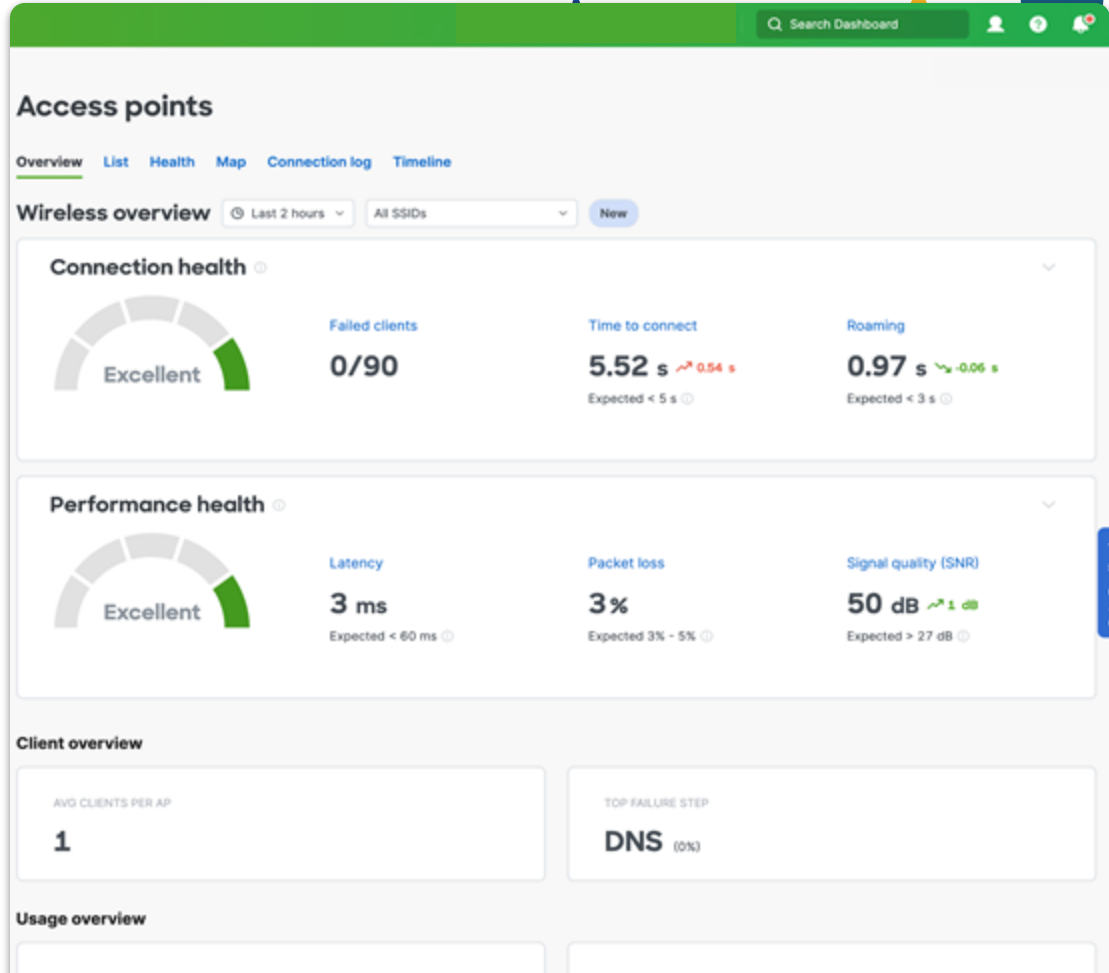
Available Now

Wireless Experience Overview

Top-level intelligence for the entire wireless network

Discoverable drilldowns

Expandable design for continuous enhancement



Top-down discovery for proactive resolution

NEW

Detect & Identify

Failed clients

12/520 ▼ -1%

Client	Failed Connections
48:9d:7d:73:0a	12
4c:3a:2f:37:4b:17	9
7a:08:8c:78:5a:0f	4

Post Mortem

Global Search to jump to client

Address profile	SN Device	Session
192.168.1.100	IPV4V6: 192.168.1.100	192.168.1.100
192.168.1.101	IPV4V6: 192.168.1.101	192.168.1.101
192.168.1.102	IPV4V6: 192.168.1.102	192.168.1.102
192.168.1.103	IPV4V6: 192.168.1.103	192.168.1.103
192.168.1.104	IPV4V6: 192.168.1.104	192.168.1.104
192.168.1.105	IPV4V6: 192.168.1.105	192.168.1.105
192.168.1.106	IPV4V6: 192.168.1.106	192.168.1.106
192.168.1.107	IPV4V6: 192.168.1.107	192.168.1.107
192.168.1.108	IPV4V6: 192.168.1.108	192.168.1.108
192.168.1.109	IPV4V6: 192.168.1.109	192.168.1.109
192.168.1.110	IPV4V6: 192.168.1.110	192.168.1.110
192.168.1.111	IPV4V6: 192.168.1.111	192.168.1.111
192.168.1.112	IPV4V6: 192.168.1.112	192.168.1.112
192.168.1.113	IPV4V6: 192.168.1.113	192.168.1.113
192.168.1.114	IPV4V6: 192.168.1.114	192.168.1.114
192.168.1.115	IPV4V6: 192.168.1.115	192.168.1.115
192.168.1.116	IPV4V6: 192.168.1.116	192.168.1.116
192.168.1.117	IPV4V6: 192.168.1.117	192.168.1.117
192.168.1.118	IPV4V6: 192.168.1.118	192.168.1.118
192.168.1.119	IPV4V6: 192.168.1.119	192.168.1.119
192.168.1.120	IPV4V6: 192.168.1.120	192.168.1.120

Root Cause Analysis

Aug 5 12:34:35

- Poor performance connection to SSID WGTC-Public for 4 hours on AP DOUWAP-LibraryMRS3 due to suboptimal AP selection.

CHANNEL: 11 BAND: 2.4 GHz SNR: 12 dBm

Sticky Client

- Manually disconnect the client and check if it connects to an AP with a stronger signal.

Evidence

Recommendations

Try to force the client to re-select a more optimal AP by having the client forget the current AP and reassociate.

Note: Client devices choose which AP to connect to. Meraki APs do not force a client to connect to a particular AP. [Read more...](#)

This may temporarily disrupt the client's connection.

[Disconnect client](#)

Was this helpful?

AI-powered Smart Thresholds help to **avoid false positive alerts**

ORGANIZATION: Eric J Nguyen Test Org 2 | NETWORK: SBC Core Network | DETECTED: Dec 10 11:48 | MONITORING WINDOW: 30 minutes

10 clients are affected by poor signal quality within the network

Likely root cause
Sub-optimal RF configuration and/or high noise.

Recommended fixes
Go to the [Radio Settings](#) page to troubleshoot the issue.
Click [here](#) for more supporting documentation.

SNR values

MEDIAN SNR VALUE FOR IMPACTED CLIENTS

- 12 dB

NUMBER OF CLIENTS AFFECTED:

- 10 clients

Top 5 access points affected

- Fletcher 3rd Floor Outside Room 315
- Meta Glass Post Office Rear Hallway
- Meta Glass M147 Outdoor Program Office
- Admissions 2nd Floor Beta
- MMC/Development 3rd Floor Office Suites

ORGANIZATION: Eric J Nguyen Test Org 2 | NETWORK: SBC Core Network | DETECTED: Dec 10 11:48 | MONITORING WINDOW: 720 minutes

are being affected by high bandwidth usage in the network

Likely root cause
are using significant bandwidth in your network and

Recommended fixes
Go to the [Bandwidth Policy](#) page to assign a rate-limiting policy for the
Click [here](#) for more supporting documentation.

bandwidth usage detected

RESID-FACING-LOWER-QUAD-COURTYARD-683a1e006aed

only 18% of total network usage)

SSID

Wireless
clients affected

- near-gaas-courtyard-683a1e006aed
- near-toussaint-36-4ee4-8552-6f314a434c7a
- David Hawkins-MBP
- upchurch-fieldhouse-lower-level-facing-near-ac17c8824006
- bca76174-57b1-41d7-a312-b4bc50954373

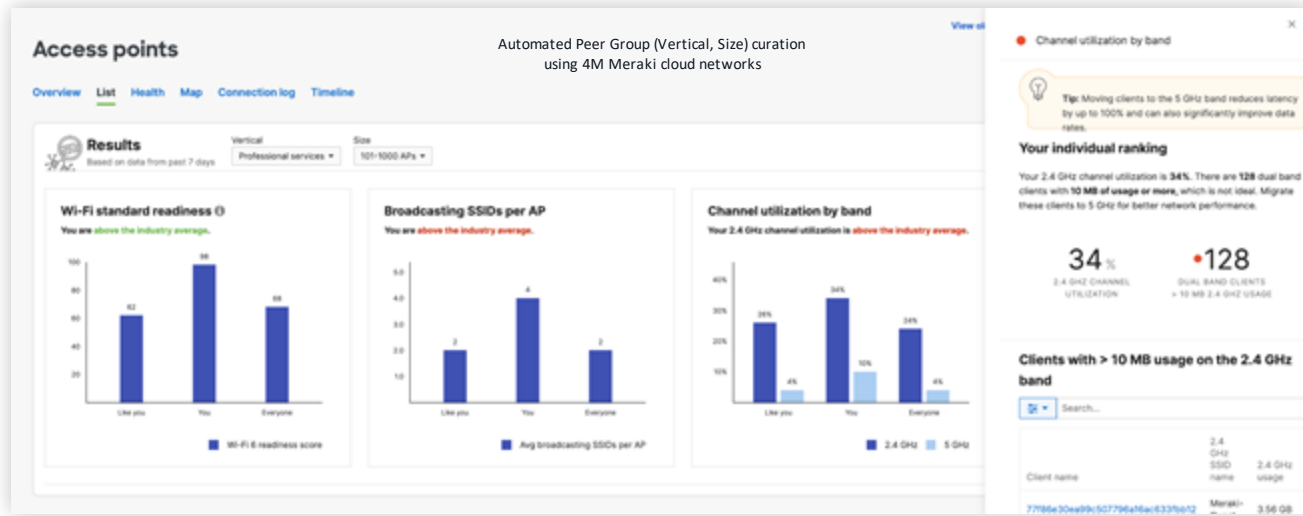
Clients fail to connect to the wireless network

Enable smart thresholds

Assess your network experience via peer comparison

AI-powered wireless experience benchmarking against similar networks

- Retail/Restaurants
- Professional services**
- Health care
- Manufacturing
- Financial services
- Hospitality/Hotels & leisure
- Education
- Wholesale/Distribution
- Service provider
- Other



Trending network configurations & performance impacts

Drill-down view for further insights and actionable recommendations

AI-powered Auto RF



AI-powered Auto RF



Reduce

channel changes
by up to 50%

Minimize

channel changes
in busy hours

Restore

after reviving from
green shutdown

Intelligent channel control

with AI-powered Auto RF

Channel avoidance automatically planned for DFS & interference

Automated busy-hour estimation to minimize disruptive changes

Continuous look back over 6 weeks of historical telemetry

The screenshot shows the 'Radio settings' page with three tabs: 'Overview', 'RF Profiles', and 'Auto RF'. The 'Auto RF' tab is active. It features two main sections: 'Busy hour' and 'Auto channel avoidance'. The 'Busy hour' section is enabled and set to 'Auto busy hour' based on historical data from the last 6 weeks, with a time range of 23:00 to 08:00. The 'Auto channel avoidance' section is also enabled, showing that 0 channels are avoided in the 2.4 GHz band, 3 channels in the 5 GHz band, and 0 channels in the 6 GHz band. At the bottom, there are 'Save changes' and 'Cancel' buttons, along with a note: 'Please allow 1-2 minutes for changes to take effect.'

Radio settings

Overview RF Profiles **Auto RF**

Busy hour Enabled
This action will minimize Auto RF changes during the most active hours of the day

Auto busy hour
Based on historical data from the last 6 weeks ⓘ

23:00 → 08:00 ⓘ

Manual busy hour

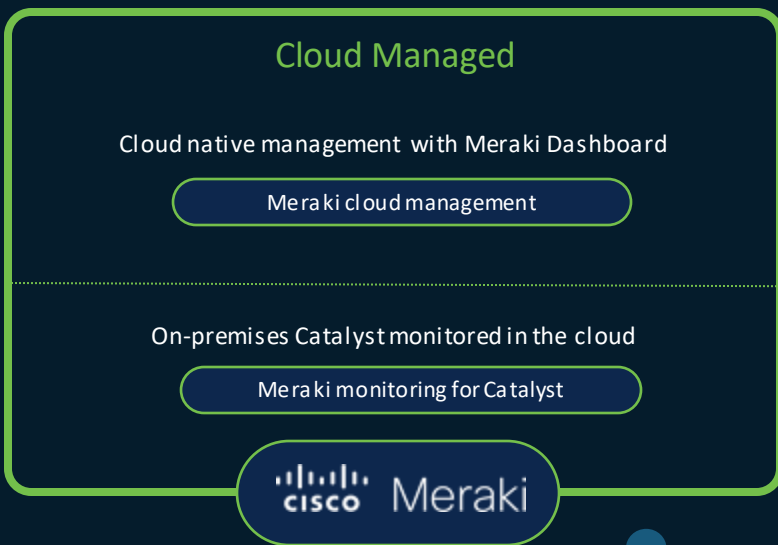
Auto channel avoidance Enabled
Auto RF will avoid DFS and overutilized channels

Channels avoided automatically by one or more access points in this network

✔ 2.4 GHZ	0 channels avoided
⚠ 5 GHZ	3 channels avoided
✔ 6 GHZ	0 channels avoided

[Save changes](#) [Cancel](#) Please allow 1-2 minutes for changes to take effect.

Management options with Cisco



Available Now

Early Access Program

Be the first to try fresh Meraki features

The screenshot shows the Meraki dashboard interface. At the top, there is a green header with the Cisco Meraki logo on the left, and 'Admin' with a dropdown arrow, 'Demo Networks', and a search bar labeled 'Search Dashboard' on the right. A user profile icon and a help icon are also present. On the left side, there is a navigation menu with items: Network (Small Branch Office), Secure Connect, Network-wide, Security & SD-WAN, Insight, Organization (highlighted), and Admin. The main content area is titled 'Meraki Early Access Program' with a 'New' badge. Below the title, a welcome message reads: 'Welcome to the Meraki Early Access Program! This is a list of all the early access features that you can enroll in and try out.' To the right of this message is a dropdown menu showing 'A-Z'. The main content area contains three feature cards, each with a 'Dashboard' label, a title, a description, and an 'Opt-in settings' toggle with a dropdown arrow. The first card is for 'Early API Access' with a toggle that is turned on. The second card is for 'License Move in Co-Termination' with a toggle that is turned off. The third card is for 'Magnetic Design System' with a toggle that is turned on.

Meraki

Admin ▾ Demo Networks Search Dashboard

Network
Small Branch Office ▾

Secure Connect

Network-wide

Security & SD-WAN

Insight

Organization

Admin

Meraki Early Access Program New

Welcome to the Meraki Early Access Program! This is a list of all the early access features that you can enroll in and try out. A-Z ▾

Dashboard

Early API Access Opt-in settings ▾

Bleeding edge APIs for software developers who want to engage with upcoming features.

Dashboard

License Move in Co-Termination Opt-in settings ▾

Move licenses between organizations that are using co-termination licensing.

Dashboard

Magnetic Design System Opt-in settings ▾

An updated look and feel for the Meraki dashboard.



The bridge to possible

Thank you