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DevNet Zone



The bridge to possible

Innovate with Meraki APIs & Its Partner Marketplace

John Kuchta – Solutions Architect PM

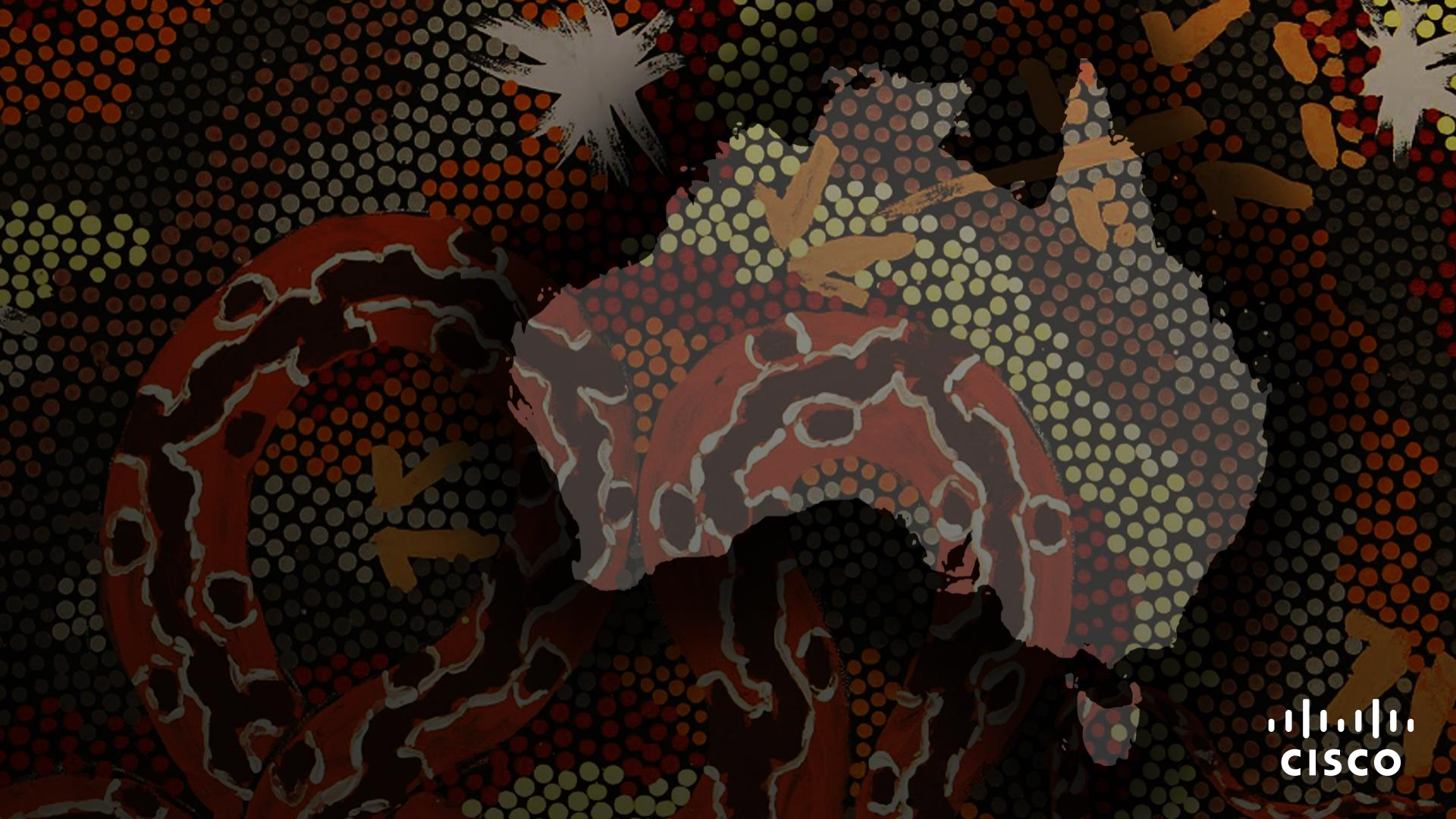
Shweta Palande – Technical Marketing Engineer PM

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Cisco Webex App

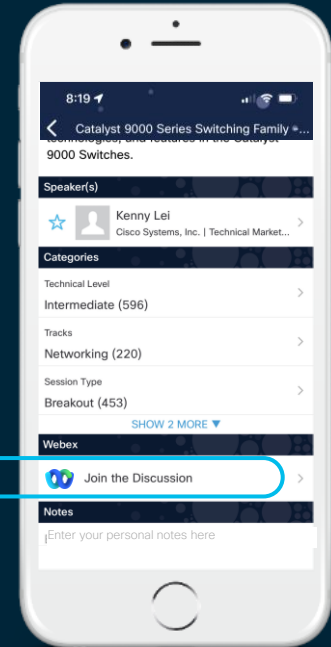
Questions?

Use Cisco Webex App to chat with the speaker after the session

How

- 1 Find this session in the Cisco Live Mobile App
- 2 Click “Join the Discussion”
- 3 Install the Webex App or go directly to the Webex space
- 4 Enter messages/questions in the Webex space

Webex spaces will be moderated by the speaker until Thursday 22 December, 2022.





Agenda

- Why API
- API priorities
- Ecosystem priorities
- Conclusion

Why does API Matter?





*APIs enable open innovation for all
customers of all sizes.*

Daily API requests

200M+

API endpoints

530+

Ecosystem partner
apps

230+

Dashboard API



Mass deployment

Webhooks



Monitoring

Location Services



Wi-Fi &
Bluetooth
analytics

Captive Portal API



Guest Wi-Fi
access

MQTT



Real-time
data stream

Developer Experience



API Contract

organizations configure

Get Organization

Operation Id: *getOrganization*

Description: *Return an organization*

GET /organizations/{organizationId}

Request Parameters

Path

organizationId* | String

Responses

Status: 200

Schema Definition

Example Body

```
{
  "id": "2930418",
  "name": "My organization",
  "url": "https://dashboard.meraki.com/o/VjjsAd/manage/organization/overview",
  "api": { "enabled": true },
  "licensing": { "model": "co-term" },
  "cloud": {
    "region": { "name": "North America" }
  }
}
```

Schema Definition

Example Body

```
- object
  - id: string Organization ID
  - name: string Organization name
  - url: string Organization URL
  - api: object API related settings
    - enabled: boolean Enable API access
  - cloud: object Data for this organization
    - region: object Region info
      - name: string Name of region
  - licensing: object Licensing related settings
    - model: string Organization licensing model. Can be 'co-term', 'per-device', or 'subscription.'
```

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organizations configure

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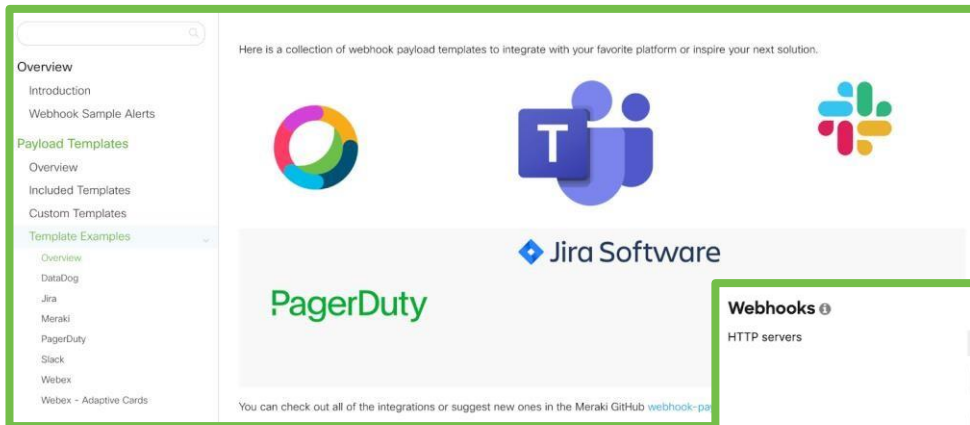
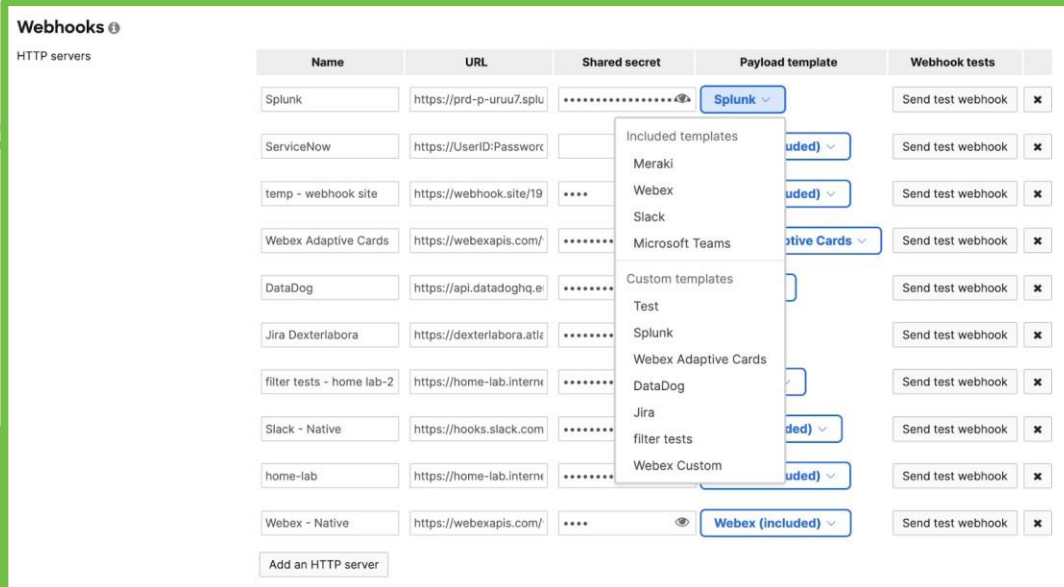
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Simplicity



Webhook Templates

General

Home IoT

Messages

People (3)

Content

Schedule

Meet

Write a message to General

Shift + Enter for a new line

- ORGANIZATION
- .Dexter's Laboratory
- NETWORK
- Demo Inc
- Network-wide
- Wireless
- Insight
- Organization

Alerts

Alerts Settings

Default recipients

All network admins x

+

Wireless

☒ Configuration settings are changed

Show additional recipients

☐ A gateway goes offline for 60 minutes

☐ A repeater goes offline for 60 minutes

☐ A gateway becomes a repeater

☐ A rogue AP is detected

☐ A VPN connection comes up or goes down

☐ Network usage exceeds 100 GB in 20 minutes

Webhooks

HTTP servers

There are no HTTP servers configured to receive webhooks

Add an HTTP server

[Add or edit webhook templates](#)

SNMP traps

Access

Disabled

Cancel

Save

(Please allow 1-2 minutes for changes to take effect.)

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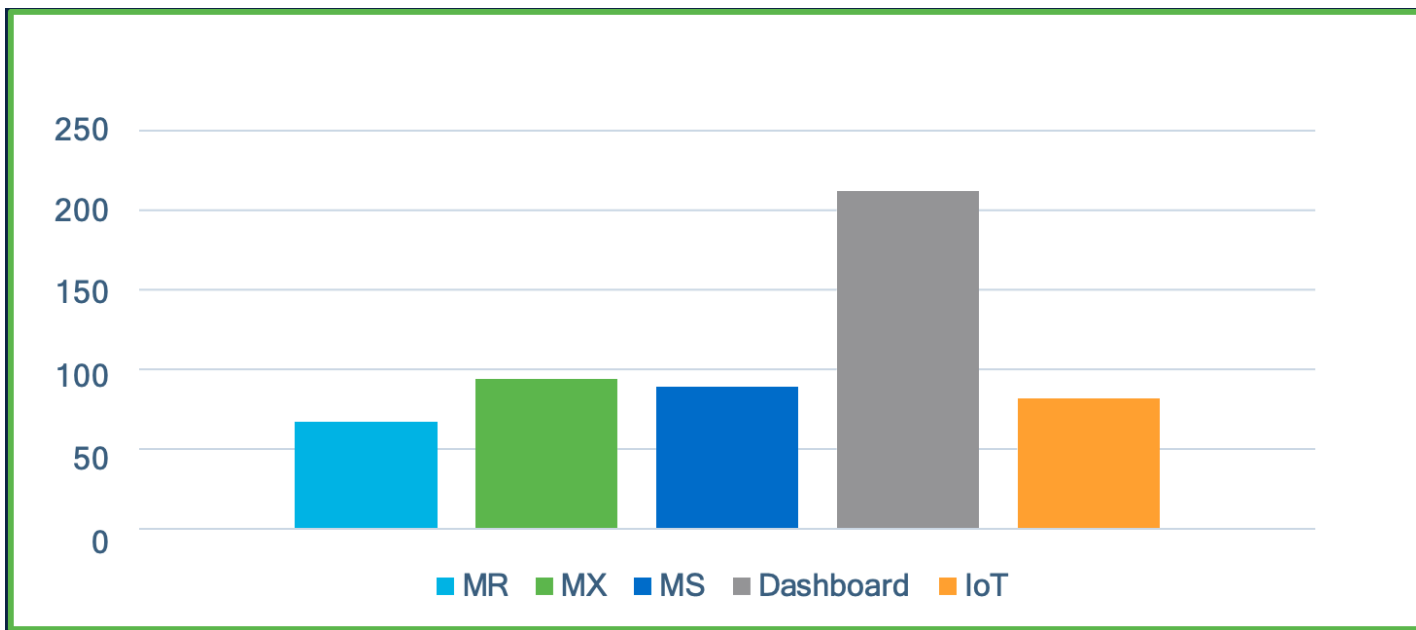
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Open-Source Collection

The screenshot displays the Cisco DevNet Meraki Developer Hub. The header includes the Cisco DevNet logo, navigation links for Docs, Explore, What's new, Resources, and Marketplace, and buttons for SIGN UP FREE and LOG IN. The main heading reads "Explore and demo solutions built with Meraki APIs". Below this, a grid of nine solution cards is shown, each with a title, description, and a "Live demo" button. The solutions include:

- Automate Network Provisioning with Service Now**: Sample Angular app built inside ServiceNow to interact with the Meraki API.
- Instant Network Reporting with Google Sheets**: Use and customize reports for the Meraki Dashboard with Sheets.
- IoT with Meraki and Node Red**: Use a GUI to interact with a Meraki network and IoT applications.
- Manage Administrators Across Organizations at Scale**: Python script to manage administrators at scale.
- Merakibeat Elastic Beats plugin for Meraki**: An Elasticsearch Beats plugin that polls the Meraki wireless health API for health stats and allows sending key stats to Elasticsearch or any of output service supported by Beats.
- Provision Networks with a Google Form**: Use a Google form with the Meraki API to make changes to the network.
- Setup a Captive Portal with JavaScript**: Captive Portal static HTML page.
- Technician Mobile Web App**: Custom Dashboard Web App for network admins and technicians with the settings they need at their fingertips.
- WiFi Location Map with Google Maps API**: A simple Web App Featuring Meraki Scanning API Data on a Google Map.

Feature Coverage



API v0 Sunset

 **DexterLaBora** Meraki Employee 01-27-2022 02:08 PM

Saying goodbye to Dashboard API v0....and Hello to Dashboard API v1



It has been a long and amazing journey. First released in 2016, this young interface proved its might, solving problems and saving time wherever it went.

Alas, it is now time for Dashboard API **v0** to walk into the sunset where **v1** will carry on the mission of simplicity and scale.

The current Dashboard API v1 is designed to take you to the next step in this continuous journey.

Why is it time to sunset v0?

- To take advantage of the many enhancements implemented in v1
- Reduce maintenance and support of multiple code bases
- Reduce support issues as a result of legacy code
- Improve consistency with the developer experience.

While both the 'deprecation' and 'sunset' dates had been previously announced, we recognize that it takes time for people to migrate.

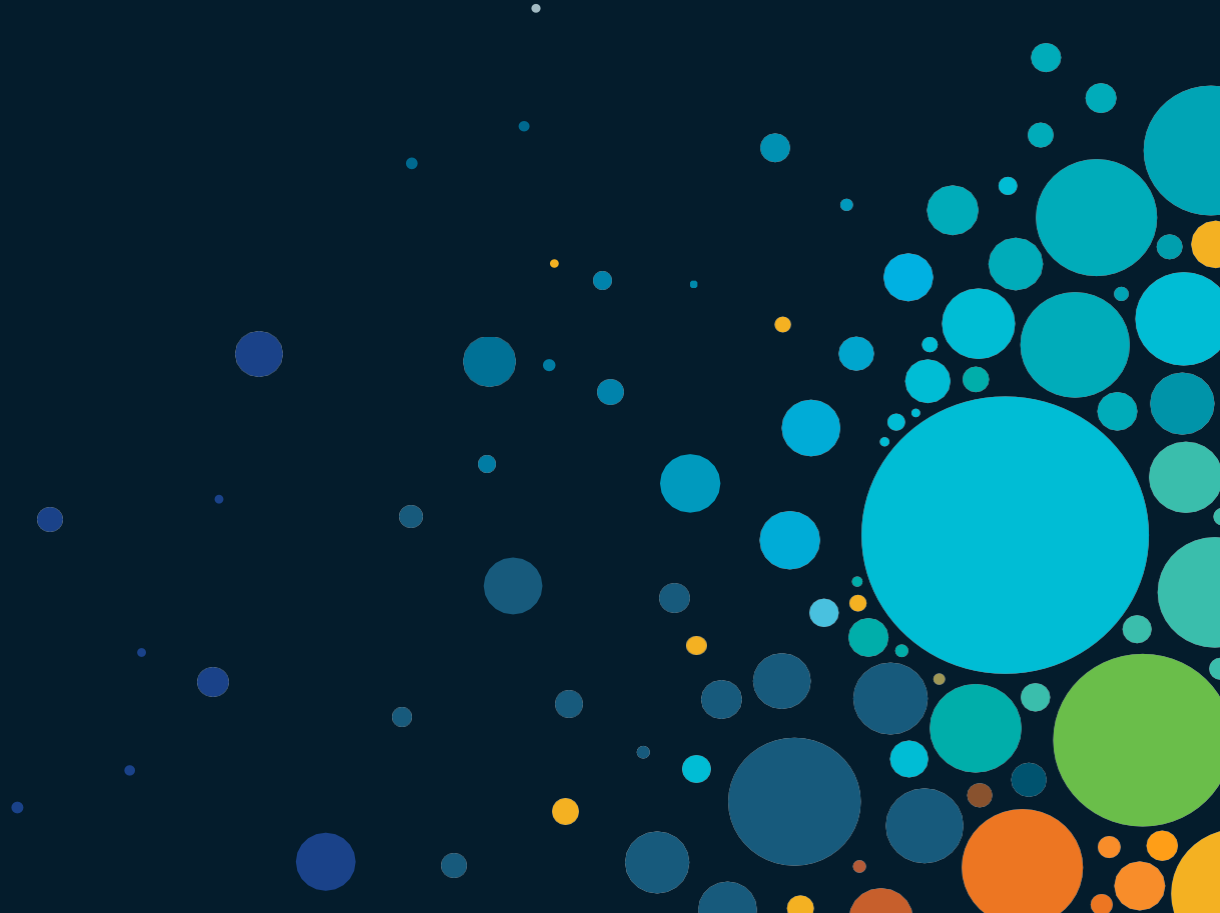
With this in mind, we are announcing the following specific dates and timeframes for discontinuing support of v0.

On **Feb 5, 2022**, the API v0 will sunset, meaning no support will be offered and operation is not guaranteed. We have also provided a Grace Period for support, which extends support until **Aug 5, 2022**.

What's your next step?

- Leverage the Grace Period to help prioritize migrating to v1 endpoints, so that there is minimal or ideally no reliance on v0.
- Encourage anybody using v0 APIs to identify those endpoints and prioritize migration to v1 instead.

Ecosystem Partners



Ecosystem Mission:

*Having a diverse, world-class set
of apps for all popular use cases*



Ecosystem Apps

The screenshot displays the Cisco Meraki Marketplace interface. At the top, the header includes the Cisco Meraki logo, the text "Marketplace", and links for "For Developers" and "Join Marketplace". Below the header, a large teal banner contains the text "Explore apps for Meraki products" and "Track assets, measure behavior, build marketing campaigns, and more." A search bar is positioned below the banner with the placeholder text "Search for apps".

On the left side, there is a sidebar with the following sections:

- Discover**
 - All apps
 - Most popular
 - New apps
 - Meraki picks
- Filters**
 - Product
 - Industry
 - Region
- Categories**
 - All categories
 - Hybrid work
 - Safe environments
 - Smart spaces
 - Analytics
 - Marketing

The main content area shows a grid of app cards. The top of the grid is filtered by "Business solutions (184)" and "Network management (64)". Below the filter, it says "184 results". The app cards displayed are:

- Leapfrog AI**: Remote Person Monitoring. Leapfrog IoT AI can help in taking care of patients, children & senior citizens.
- MagiXPortal**: A transitioning solution that the user of a public-access network is obliged to view and interact with...
- Local Measure VX**: A publishing solution to showcase the best customer and employee social content on your...
- Zenreach Attract**: Zenreach Attract leverages the data you have collected to build and measure effective...
- Presence Orb**: Presence Orb - Mask Detection. Presence Orb MV integrations works to detect in real time those not wearing a face mask...
- inpixion**: Inpixion Workplace Readiness. Monitor, analyze, and create visibility into critical workplace health and safety conditions with...

Service Graph Connector for Meraki

servicenow Service Management

Network Gear

Search Name

	Name	Class	Manufacturer	Name	IP Address	Asset tag	Device type	URL	Tags
	Yolanda Dolcambre Z3	IP Firewall	Meraki	Z3			Firewall	https://n149.meraki.com/Networker-Tools/n149hubv/manage/nodes/new_list/24718546533514	Add tag...
	San Diego Gateway	Network Gear	Adtran	Total Access 924e	198.17.34.1	P1000B2	Gateway		Add tag...
	RETAL-TOR-MDF-2-MR29	Wireless Access Point	Meraki	MR70	172.22.1.3			https://n149.meraki.com/Networker-Tools/n149hubv/manage/nodes/new_list/24718546533514	Add tag...
	RETAL-TOR-MDF-1-MR25	IP Firewall	Meraki	MR7C-NA			Firewall	https://n149.meraki.com/Networker-Tools/n149hubv/manage/nodes/new_list/24718546533514	Add tag...
	RETAL-TOR-MDF-1-MR25-24P	IP Switch	Meraki	MS225-24P			Switch	https://n149.meraki.com/Networker-Tools/n149hubv/manage/nodes/new_list/24718546533514	Add tag...
	RETAL-TOR-MDF-1-MR20	Wireless Access Point	Meraki	MR20	172.22.1.2			https://n149.meraki.com/Networker-Tools/n149hubv/manage/nodes/new_list/24718546533514	Add tag...
	RETAL-SVD-MV12N-2D	Network Gear	Meraki	MV12N	192.168.128.5			https://n149.meraki.com/Networker-Tools/n149hubv/manage/nodes/new_list/24718546533514	Add tag...
	RETAL-SVD-MDF-1-MR85	IP Firewall	Meraki	MR85			Firewall	https://n149.meraki.com/Networker-Tools/n149hubv/manage/nodes/new_list/24718546533514	Add tag...
	RETAL-SVD-1-MR82	Wireless Access Point	Meraki	MR82	172.18.5.51			https://n149.meraki.com/Networker-Tools/n149hubv/manage/nodes/new_list/24718546533514	Add tag...
	RETAL-NY-MDF-1-MR85	IP Firewall	Meraki	MR85			Firewall	https://n149.meraki.com/Networker-Tools/n149hubv/manage/nodes/new_list/24718546533514	Add tag...
	RETAL-NY-MDF-1-MR82	Wireless Access Point	Meraki	MR82	172.22.1.2			https://n149.meraki.com/Networker-Tools/n149hubv/manage/nodes/new_list/24718546533514	Add tag...

Showing records related to: Meraki Device Alerts

All > Caller = Meraki Device Alerts

	Number	Opened	Short description	Caller	Priority	State	Category	Assignment group	Assigned to	Upc
	INC0010003	2020-05-28 01:46:36	APs went down	Meraki Device Alerts	1 - Critical	New	Alert	(empty)	(empty)	202801
	INC0010002	2020-05-28 01:43:11	Cable error detected	Meraki Device Alerts	5 - Planning	New	Alert	(empty)	(empty)	202801
	INC0010001	2020-05-28 01:41:22	APs went down	Meraki Device Alerts	1 - Critical	New	Alert	(empty)	(empty)	202801

Actions on selected rows...

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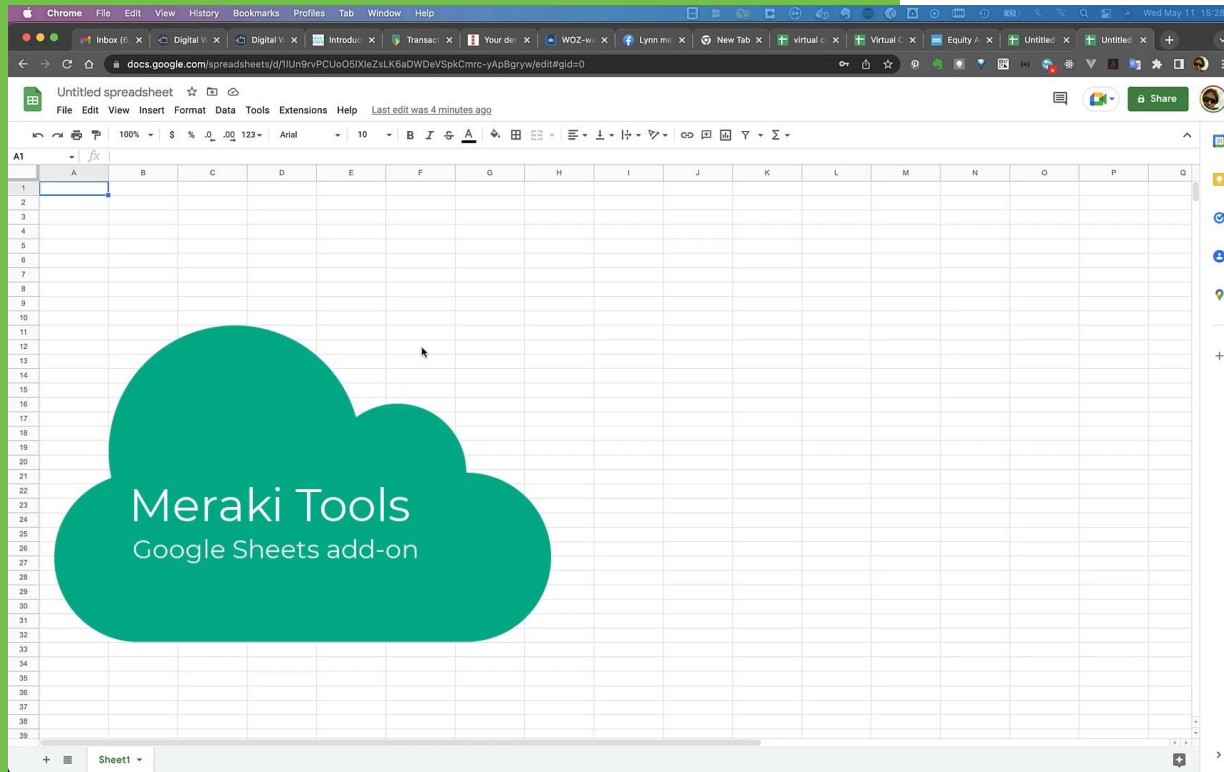
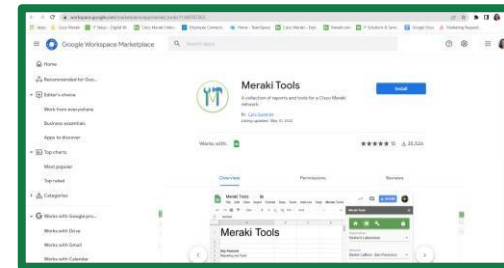
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Meraki Tools



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The collage features several key elements:

- Meraki Dashboard:** A screenshot of the 'Alerts - Meraki Dashboard' showing configuration for 'Cellular gateway' and 'Environmental' sensors. It includes a sidebar with navigation options like 'Network-wide', 'Cellular Gateway', and 'Webhooks'.
- Mobile Alert:** A screenshot of a mobile notification titled 'Power supply went down' with details about the alert level, time, and device information.
- Webhook List:** A screenshot of the 'Webhooks' page showing a table of configured webhooks with columns for Name, URL, Shared secret, Payload template, and Webhook tests.
- QR Code:** A large QR code with the text 'SCAN ME' below it, intended for users to scan and access the webhooks page.

meraki.io/webhooks

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Partners here with us today!



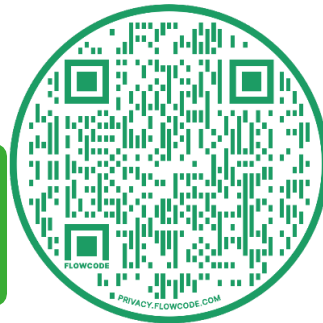
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Next steps

Stop by our Cisco Meraki Marketplace and product booth



Visit apps.meraki.io
Scan QR code above and identify 2- 3 solutions that best fit your business outcomes

Schedule a demo with Meraki ecosystem partners

Attend The API sessions during the week

Session Surveys

We would love to know your feedback on this session!

- Complete the session surveys in the Cisco Events mobile app. You'll earn some points in the Cisco Live Game and potentially win a prize.
- Complete a minimum of four session and the overall event surveys to claim a Cisco Live cable bag.

Continue your education



Visit the Cisco Showcase for related demos



Book your one-on-one Meet the Expert meeting



Attend the interactive education with DevNet, Capture the Flag, and Walk-in Labs



Visit the On-Demand Library for more sessions at www.CiscoLive.com/on-demand



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Learn



Cisco U.

IT learning hub that guides teams and learners toward their goals

Cisco Digital Learning

Subscription-based product, technology, and certification training

Cisco Modeling Labs

Network simulation platform for design, testing, and troubleshooting

Cisco Learning Network

Resource community portal for certifications and learning



Train



Cisco Training Bootcamps

Intensive team & individual automation and technology training programs

Cisco Learning Partner Program

Authorized training partners supporting Cisco technology and career certifications

Cisco Instructor-led and Virtual Instructor-led training

Accelerated curriculum of product, technology, and certification courses



Certify



Cisco Certifications and Specialist Certifications

Award-winning certification program empowers students and IT Professionals to advance their technical careers

Cisco Guided Study Groups

180-day certification prep program with learning and support

Cisco Continuing Education Program

Recertification training options for Cisco certified individuals





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Thank you

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