

CISCO *Live!*



#CiscoLive



The bridge to possible



Meraki

There's an App and an API for That

See How with Meraki

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BRKMER-1004



#CiscoLive

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 June 17, 2022.



<https://ciscolive.ciscoevents.com/ciscolivebot/#BRKMER-1004>



Agenda

- Why API
- API priorities
- Ecosystem priorities
- Conclusion

Why does API Matter?





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

Meraki API & Ecosystem By Numbers

Daily API requests

200M+

API endpoints

530+

Ecosystem partner
apps

230+

Meraki API Services

Dashboard API

Webhooks

Location Services

Captive Portal API

MQTT



Mass deployment



Monitoring



Wi-Fi & Bluetooth
analytics



Guest Wi-Fi access



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.'
```

Simplicity

Here is a collection of webhook payload templates to integrate with your favorite platform or inspire your next solution.

Overview

- Introduction
- Webhook Sample Alerts

Payload Templates

- Overview
- Included Templates
- Custom Templates

Template Examples

- Overview
- DataDog
- Jira
- Meraki
- PagerDuty
- Slack
- Webex
- Webex - Adaptive Cards

PagerDuty

Jira Software

You can check out all of the integrations or suggest new ones in the Meraki GitHub [webhook-payload-templates](#)

Webhooks

HTTP servers

Name	URL	Shared secret	Payload template	Webhook tests
Splunk	https://prd-p-uruu7.splu	.....	Splunk	Send test webhook ✕
ServiceNow	https://UserID:Passwor		Included templates	Send test webhook ✕
temp - webhook site	https://webhook.site/19	....	Meraki	Send test webhook ✕
Webex Adaptive Cards	https://webexapis.com/	.....	Webex	Send test webhook ✕
DataDog	https://api.datadoghq.e	.....	Slack	Send test webhook ✕
Jira Dexterlabora	https://dexterlabora.atl	.....	Microsoft Teams	Send test webhook ✕
filter tests - home lab-2	https://home-lab.intern	.....	Custom templates	Send test webhook ✕
Slack - Native	https://hooks.slack.com	.....	Test	Send test webhook ✕
home-lab	https://home-lab.intern	.....	Splunk	Send test webhook ✕
Webex - Native	https://webexapis.com/	....	Webex Adaptive Cards	Send test webhook ✕

Add an HTTP server

Webhook Templates

General

Home IoT

Messages

People (3)

Content

Schedule

Meet

Write a message to General

ORGANIZATION

Dexter's Laboratory

NETWORK

Demo Inc

Network-wide

Wireless

Insight

Organization

Alerts

Alerts Settings

Default recipients

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.)

Open-Source Collection

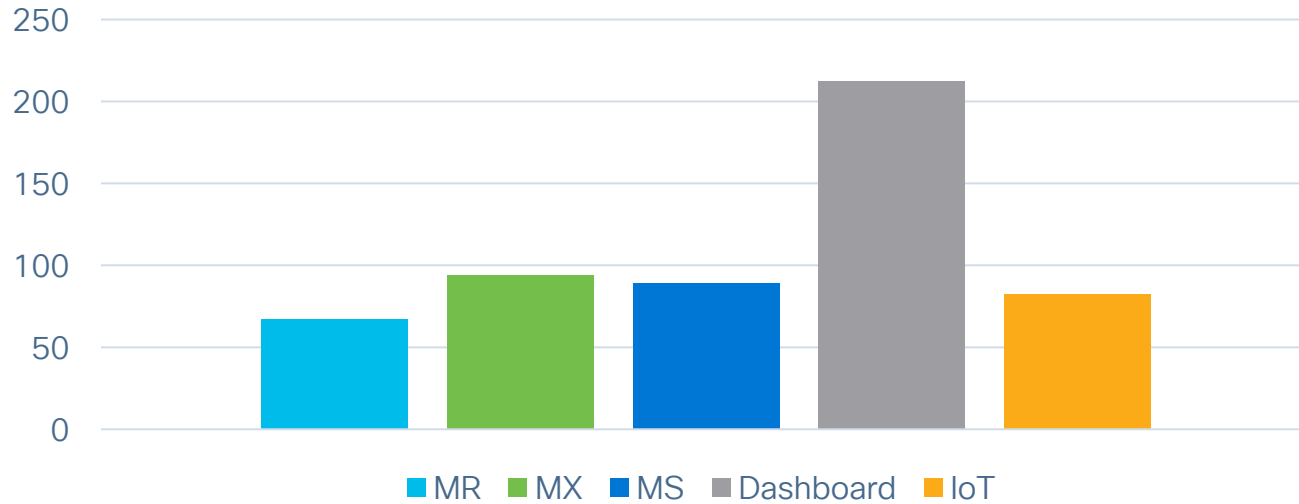
The screenshot displays the Cisco Meraki Developer Hub website. The header includes the Cisco DevNet logo, navigation links for Docs, Explore, What's new, Resources, and Marketplace, and buttons for SIGN UP FREE and LOG IN. The main heading reads "Explore and demo solutions built with Meraki APIs". Below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

Solution Title	Description	Live demo	Tags
Automate Network Provisioning with Service Now	Sample Angular app built inside ServiceNow to interact with the Meraki API	Live demo	Network Automation, Dashboard API
Instant Network Reporting with Google Sheets	Use and customize reports for the Meraki Dashboard with Sheets	Live demo	Network Monitoring, Dashboard API
IoT with Meraki and Node Red	Use a GUI to interact with a Meraki network and IoT applications.	Live demo	IoT, Dashboard API
Manage Administrators Across Organizations at Scale	Python script to manage administrators at scale	Live demo	Network Automation, Dashboard API
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	Live demo	Network Monitoring, Dashboard API
Provision Networks with a Google Form	Use a Google form with the Meraki API to make changes to the network	Live demo	Network Automation, Dashboard API
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




Features per product



API v0 Sunset

 **DexterLaBora** Meraki Employee01-27-2022 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.

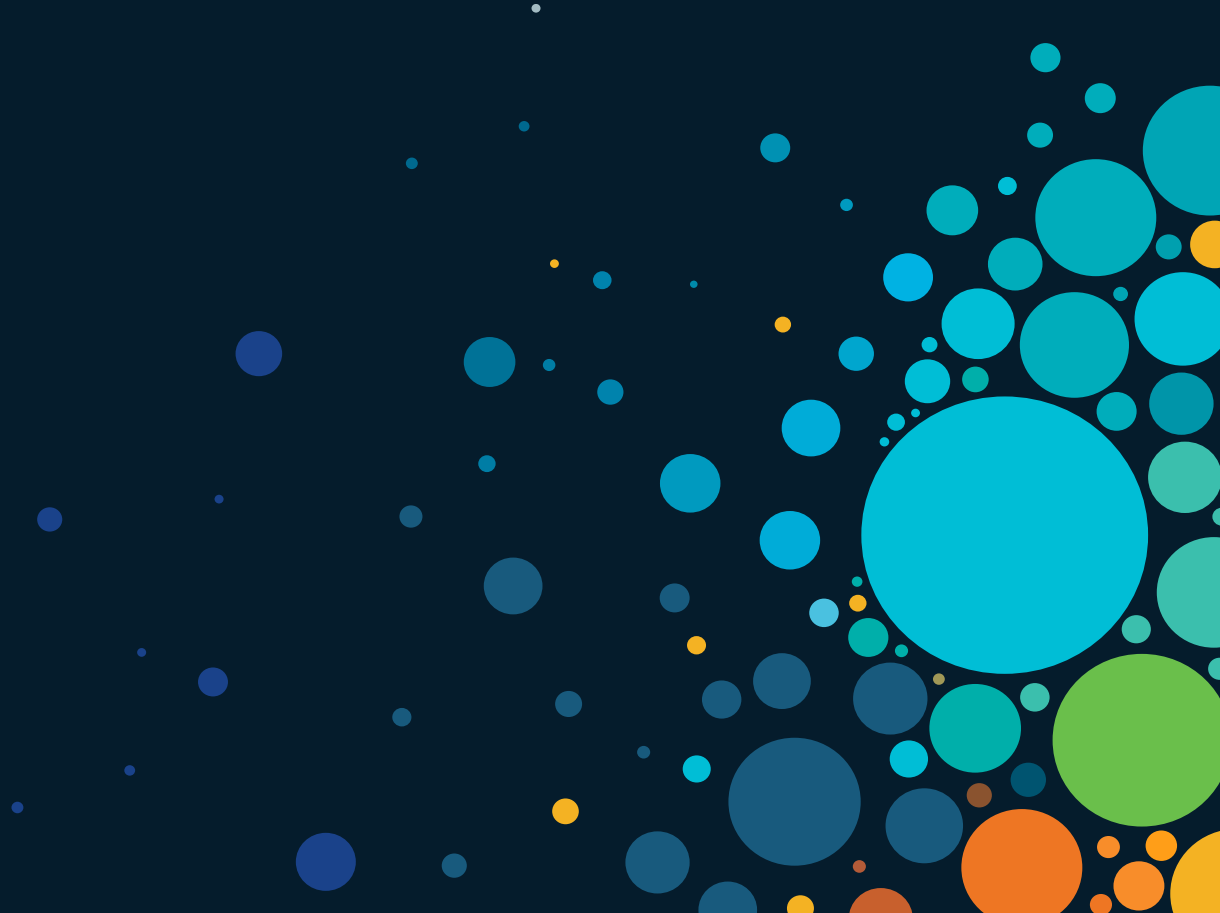
With this in mind, we are announcing the following specific dates and timeframes for discontinuing support of v0.

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 and navigation links for 'For Developers' and 'Join Marketplace'. The main heading is 'Explore apps for Meraki products', with a subtext 'Track assets, measure behavior, build marketing campaigns, and more.' Below this is a search bar labeled 'Search for apps'. The left sidebar contains a 'Discover' section with links like 'All apps', 'Most popular', 'New apps', and 'Meraki picks'. It also has a 'Filters' section with expandable categories for 'Product', 'Industry', and 'Region'. The 'Categories' section lists 'All categories', 'Hybrid work', 'Safe environments', 'Smart spaces', 'Analytics', and 'Marketing'. The main content area shows 'Business solutions (184)' and 'Network management (64)' tabs. Below the 'Business solutions' tab, it indicates '184 results' and displays a grid of app cards. Each card features a logo, the app name, and a brief description.

Discover

- All apps
- Most popular
- New apps
- Meraki picks

Filters

- Product
- Industry
- Region

Categories

- All categories
- Hybrid work
- Safe environments
- Smart spaces
- Analytics
- Marketing

Business solutions (184) Network management (64)

184 results

- Leapfrog AI**
Remote Person Monitoring
Leapfrog IOT AI can help in taking care of patients, children & senior citizens.
- PMagix**
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...
- inpixon**
Inpixon 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										
All										
		Name	Class	Manufacturer	Name	IP Address	Asset tag	Device type	URL	Tags
		Yolanda Dickson@23	IP Firewall	Meraki	Z3			Firewall	https://n149.meraki.com/Teleworker-YolandaYH4UyW/c/managers/nodes/new_list/247145645653514	Add tag...
		Sas Dimer Gateway	Network Gear	Adtran	Total Access 9246	198.17.34.1	P1000082	Gateway		Add tag...
		RETAIL_TOR MDF 1.2 MR70	Wireless Access Point	Meraki	MR70	172.22.1.3			https://n149.meraki.com/Toronto-wireless/n14923Dvc/c/managers/nodes/new_list/247145649250206	Add tag...
		RETAIL_TOR MDF 1.1 MK87C-NA	IP Firewall	Meraki	MK87C-NA			Firewall	https://n149.meraki.com/Toronto-aedlans/n14960i/cvc/c/managers/nodes/new_list/247145649250206	Add tag...
		RETAIL_TOR MDF 1.1-MS225-24P	IP Switch	Meraki	MS225-24P			Switch	https://n149.meraki.com/Toronto-switch/n1493qvc/c/managers/nodes/new_list/247145649250206	Add tag...
		RETAIL_TOR MDF 1.1 MR20	Wireless Access Point	Meraki	MR20	172.22.1.2			https://n149.meraki.com/Toronto-wireless/n14923Dvc/c/managers/nodes/new_list/247145649250206	Add tag...
		RETAIL_SYD MV12N-20	Network Gear	Meraki	MV12N	192.168.128.5			https://n149.meraki.com/Sydney-camera/n149184i/cvc/c/managers/nodes/new_list/247145649250206	Add tag...
		RETAIL_SYD MDF 1.1 MX65	IP Firewall	Meraki	MX65			Firewall	https://n149.meraki.com/Sydney-aedlans/n1493qvc/c/managers/nodes/new_list/247145649250206	Add tag...
		RETAIL_SYD 1.1 MR42	Wireless Access Point	Meraki	MR42	172.18.5.51			https://n149.meraki.com/Sydney-wireless/n149184i/cvc/c/managers/nodes/new_list/247145649250206	Add tag...
		RETAIL_NY MDF 1.1 MX65	IP Firewall	Meraki	MX65			Firewall	https://n149.meraki.com/NewYork-aedlans/n1493qvc/c/managers/nodes/new_list/247145649250206	Add tag...
		RETAIL_NY MDF 1.1-MS225-48LP	IP Switch	Meraki	MS225-48LP			Switch	https://n149.meraki.com/NewYork-switch/n1493qvc/c/managers/nodes/new_list/247145649250206	Add tag...
		RETAIL_NY 1.1-MS32	Wireless Access Point	Meraki	MR32	172.22.1.2			https://n149.meraki.com/NewYork-wireless/n1493qvc/c/managers/nodes/new_list/247145649250206	Add tag...

Showing records rel

All > Caller = Me

Number

INCO

INCO

INCO

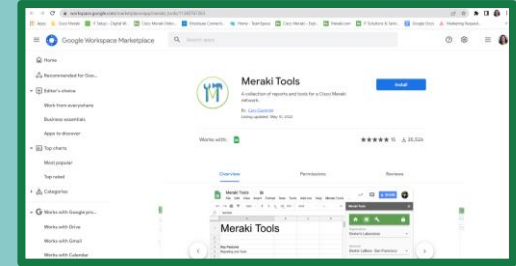
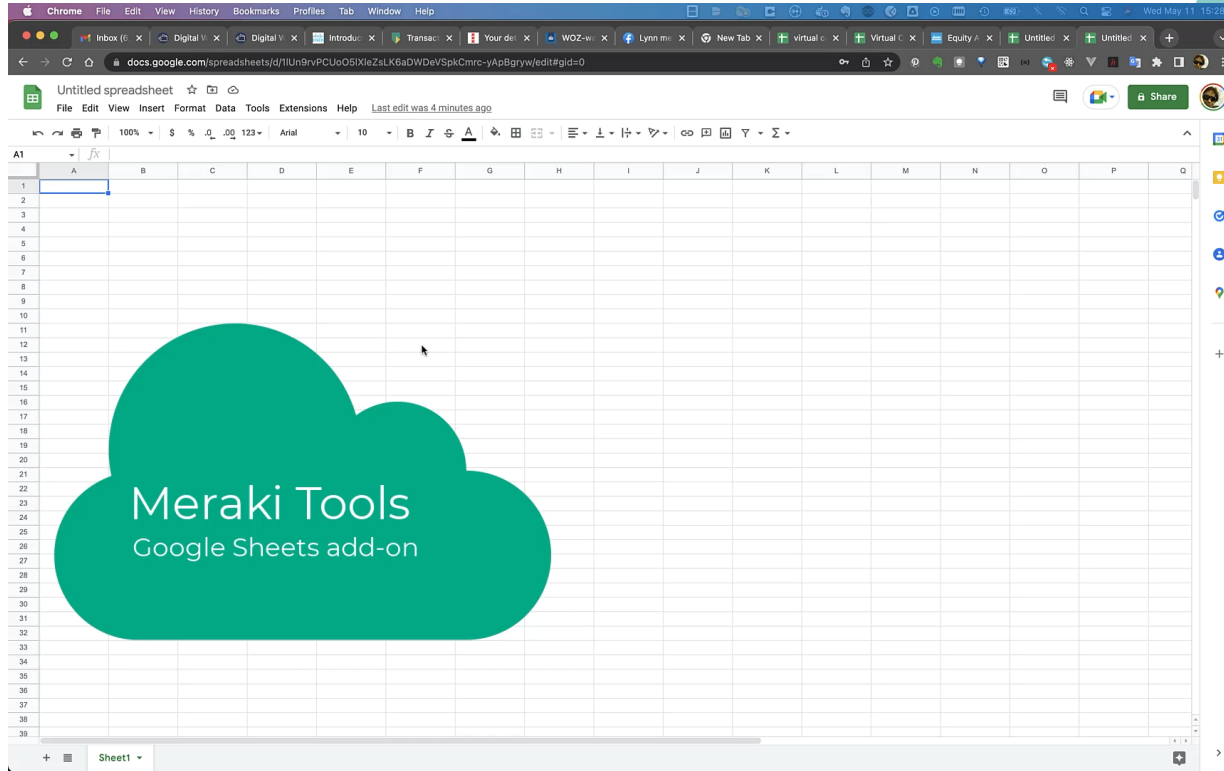
Showing records related to: Meraki Device Alerts

 All > Caller = Meraki Device Alerts

	Number	Opened	Short description	Caller	Priority	State	Category	Assignment group	Assigned to	Updated
	INC0010003	2020-05-28 01:46:36	APs went down	Meraki Device Alerts	● 1 - Critical	New	Alert	(empty)	(empty)	2028-01-01
	INC0010002	2020-05-28 01:43:11	Cable error detected	Meraki Device Alerts	5 - Planning	New	Alert	(empty)	(empty)	2028-01-01
	INC0010001	2020-05-28 01:41:22	APs went down	Meraki Device Alerts	● 1 - Critical	New	Alert	(empty)	(empty)	2028-01-01

Actions on selected rows...

Meraki Tools




Meraki Alerts In-a-Box

The collage features several screenshots from the Meraki dashboard:

- Alerts - Meraki Dashboard:** Shows configuration for cellular gateway and environmental alerts. For example, "A cellular gateway goes offline for 60 minutes" and "A sensor goes offline for 60 minutes".
- Alert Details:** A screenshot of a "Power supply went down" alert. Details include: Alert level: critical, Occurred at: 2021-03-10T11:25:16.063669Z, Organization name: Sample Org, Organization ID: 123498785975, Network name: Head Office, Network ID: L_843451796760561416, Device name: Switch-1-a, Device serial: Q3AC-UCTX-XXXX, Device MAC: 2c:3f:0b:ff:ff:ff, Device tags: office, west, Device model: MS220-48P.
- Webhook Templates:** A page titled "Here is a collection of webhook payload templates to integrate with your favorite platform or inspire your next solution." It lists various templates for platforms like Jira, PagerDuty, Slack, and Webex.
- Webhooks Table:** A table listing configured webhooks with columns for Name, URL, Shared secret, Payload template, and Webhook tests. A dropdown menu is open for the "Webex" payload template, showing options like "Webex (included)", "Webex Custom", "filter tests", "Jira", "DataDog", "Webex Adaptive Cards", "Splunk", "Test", and "Custom templates".

meraki.io/webhooks


SCAN ME

Partners here with us today!



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

Technical Session Surveys

- Attendees who fill out a minimum of four session surveys and the overall event survey will get Cisco Live branded socks!
- Attendees will also earn 100 points in the Cisco Live Game for every survey completed.
- These points help you get on the leaderboard and increase your chances of winning daily and grand prizes.



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vouchers redeemed directly
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Cisco U.

IT learning hub that guides teams
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and certification training

Cisco Modeling Labs

Network simulation platform for design,
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Cisco Learning Network

Resource community portal for
certifications and learning



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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

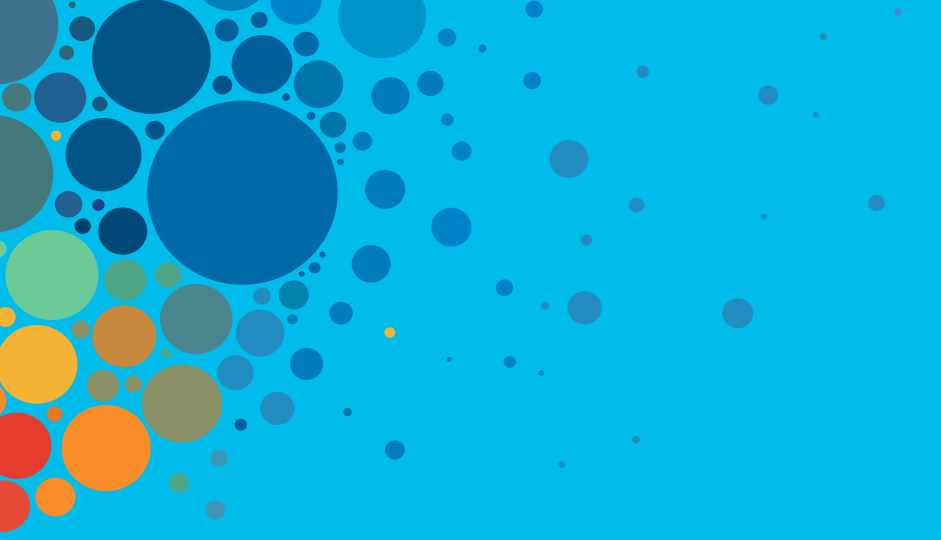
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- Book your one-on-one Meet the Engineer meeting
- Attend the interactive education with DevNet, Capture the Flag, and Walk-in Labs
- Visit the On-Demand Library for more sessions at www.CiscoLive.com/on-demand



The bridge to possible

Thank you

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