

ALL  
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DevNet Zone

#CiscoLiveAPJC



The bridge to possible

# Use Case Centric APIs

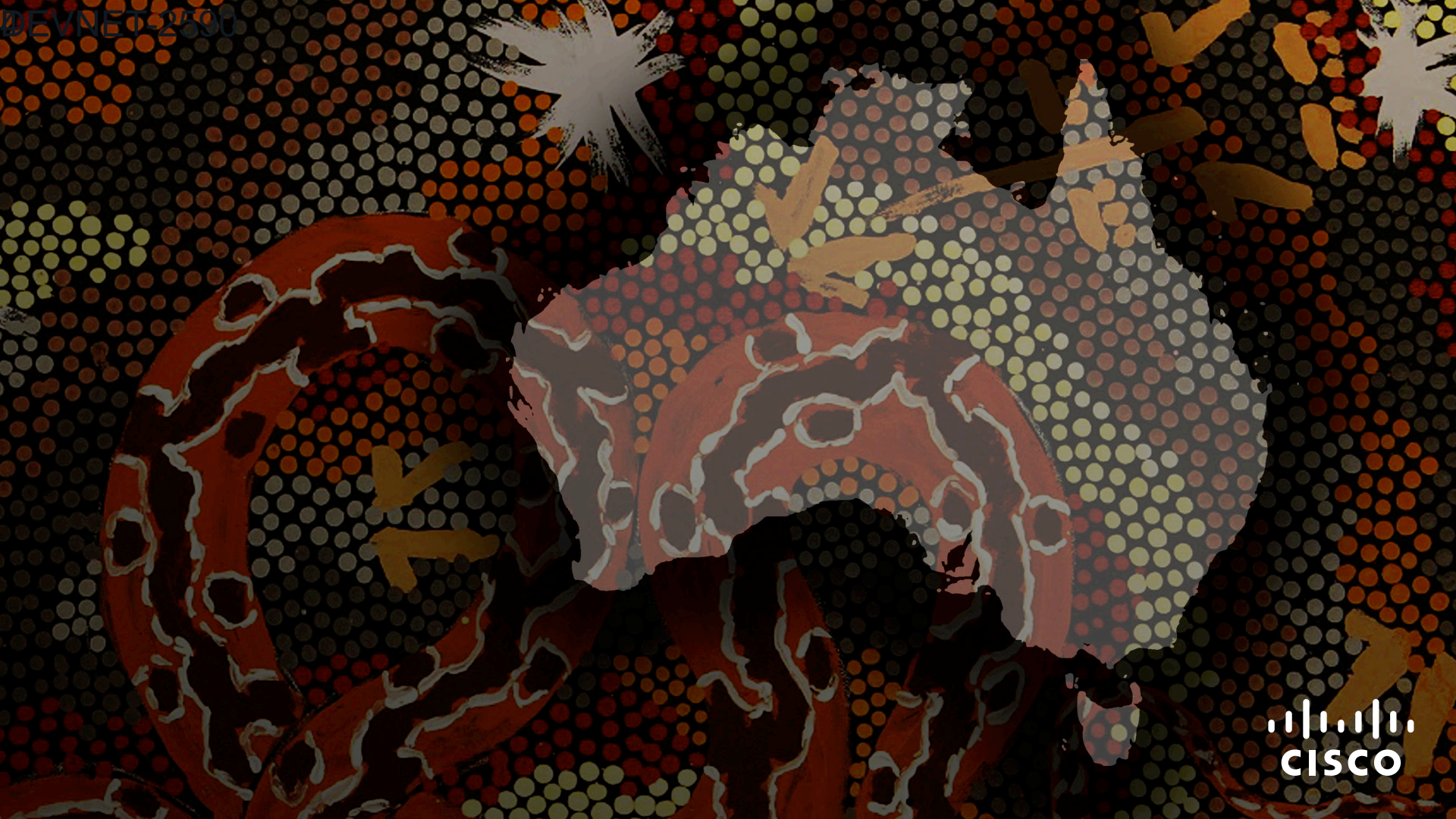
Under a New Umbrella

Yaron Caspy, Eng Product Manager  
DEVNET-2590



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# Cisco Webex App

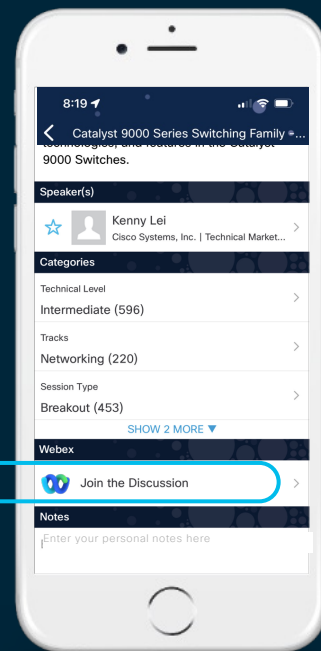
## Questions?

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

## How

- 1 Find this session in the Cisco Live Mobile App
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- 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

- Introduction
- The Key is Access
- Use Case Grounding
- Demo
- Recap
- Resources

# Introduction





*It's not broken so why fix it?*

# The Key is Access





# The Key is Access

Who uses Cloud Security Platform's API's?

- CISO
- Security Architect
- Security/Network Admins
- Engineers
  - Security
  - Core
  - Outsourced
  - 3<sup>rd</sup> party

# The Key is Access

## Our goals

- Make it easy for organizations to securely implement their use cases
- Make it simple, fast and intuitive for admins to create APIs keys for their desired use cases with granular controls/policies + access scopes
- Offer flexibility to provide access to a broad collection of APIs

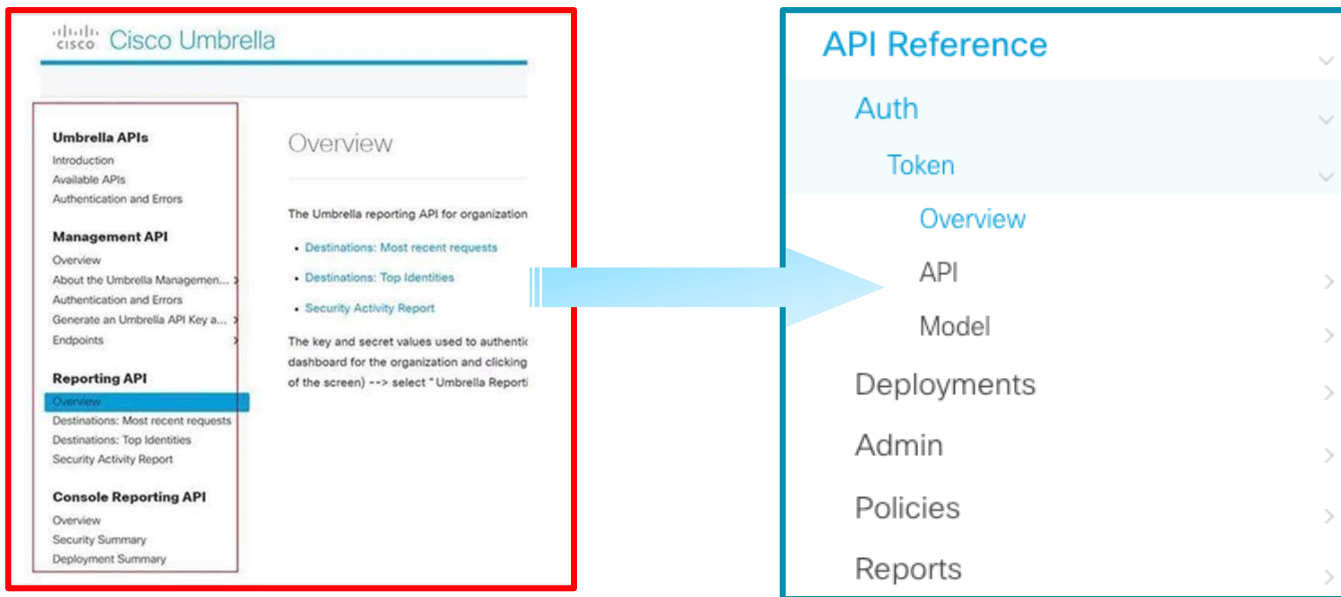
# Use Case Grounding



# Grounded by use case

Use Case	Examples
Admin	Admin tasks in Umbrella like: <ol style="list-style-type: none"><li>1. Managing users</li><li>2. Managing roles</li></ol>
Deployments	Manage your deployment like: <ol style="list-style-type: none"><li>1. Networks</li><li>2. Tunnels</li><li>3. Devices</li></ol>
Policies	Manage policy elements like: allow/block lists
Reports	Access your Umbrella data and break down your activity like: <ol style="list-style-type: none"><li>1. Which destinations are your users accessing</li><li>2. Which events are being blocked</li><li>3. Applications your users are using</li></ol>

# Grounded in Documentation



# Grounded in how you manage credentials

The screenshot displays the Cisco DevNet API Key management interface. Annotations with lines pointing to specific UI elements are as follows:

- Name:** Points to the 'API Key Name' field, which contains the value 'Management'.
- Groups=Use Cases:** Points to the 'Created at' field, which shows 'Apr 29, 2022'.
- Permission:** Points to the '25 selected' table, which lists permissions for various scopes. The table has columns for 'Scope' and 'Permission'. The permissions listed are 'Read / Write', 'Read / Write', 'Read Only', and 'Read Only'.
- API Key:** Points to the 'API Key' field, which contains the value 'f15b0a89000b4036a8d39caad32f88a8'.
- Key Secret:** Points to the 'Key Secret' field, which contains the value '#####'.

Additional UI elements visible include:

- Management** (Page Header)
- Created By** mtanasko@cisco.com
- Last Modified** Apr 29, 2022
- Last Used** Apr 29, 2022
- Key Scope** (List of scopes: Policies, Deployments, Admin, Reports)
- 25 selected** (Table of permissions)
- REMOVE ALL** (Button)
- API Key** (Field with value f15b0a89000b4036a8d39caad32f88a8)
- Key Secret** (Field with value #####)
- REFRESH KEY** (Button)
- Key Refresh Date:** Aug 8, 2022

# Grounded in how you make requests

Matching the Use Case
<a href="https://api.umbrella.com/deployments/v2/networks">https://api.umbrella.com/deployments/v2/networks</a>
<a href="https://api.umbrella.com/reports/v2/categories">https://api.umbrella.com/reports/v2/categories</a>
<a href="https://api.umbrella.com/policies/v2/rules">https://api.umbrella.com/policies/v2/rules</a>

# Recap





# So, what's new?

---

- Unified Authentication
  - An admin can determine a keys access scopes
  - Admins can:
    - Create multiple API keys
    - Give them meaningful names
    - See when the keys were last used (remove stale keys)
  - The API endpoints are now accessible via a unified path and grouped by use case
  - You no longer need to specify your orgID
-

# Resources



# Where to go?

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- [Announcement and FAQ](#)
  - [API Documentation](#)
  - [Examples](#) in our DevNet repo
  - [Auth Client Examples](#) in our DevNet repo
  - [DevNet Sandbox for SIG](#)
- 

## DevNet Workshop - Simplifying and Automating SASE using Umbrella Open APIs [DEVWKS-1341]

Brian Sak, Technical Solutions Architect, Cisco Systems, Inc.

You are a Participant

Thursday, Dec 8 | 2:00 PM - 2:45 PM AEDT | DevNet Workshop 1

You are a Participant

Friday, Dec 9 | 9:00 AM - 9:45 AM AEDT | DevNet Workshop 2



# Session Surveys

We would love to know your feedback on this session!

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- Complete a minimum of four session and the overall event surveys to claim a Cisco Live cable bag.

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entered to win a  
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# Thank you

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