

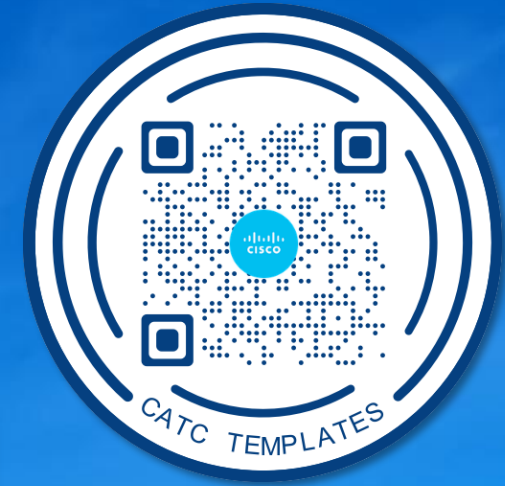
# Manual to Magic

Transforming Networks with Cisco Workflows

Keith Baldwin  
Solutions Engineer  
CCIE (RS,W) #35439 CCDE #20170057



# By way of Introduction ...



A Hyper Specialist in the Network Solutions Engineering team.

I work with extremely large Customers covering the Design, Orchestration and Automation of Enterprise Network Architectures and have over 25 years of experience with Designing, Implementing, and Supporting solutions with many diverse network technologies.

Special interests include [Automation](#), [Orchestration](#), [Identity and Fabrics](#) and am an [SME](#) in [Design](#), an [Author](#), [Exam Content Author](#) and [Developer](#). Focusing on customer requirements and helping integrate these into the products and solutions Cisco builds. Known for [Templating](#) and [Automation](#) and [Five Time Cisco Live Distinguished Speaker](#)

**Keith Baldwin**  
Solutions Engineer

[kealdwi@cisco.com](mailto:kealdwi@cisco.com)

CCIE# 35439 CCDE# 2017::57



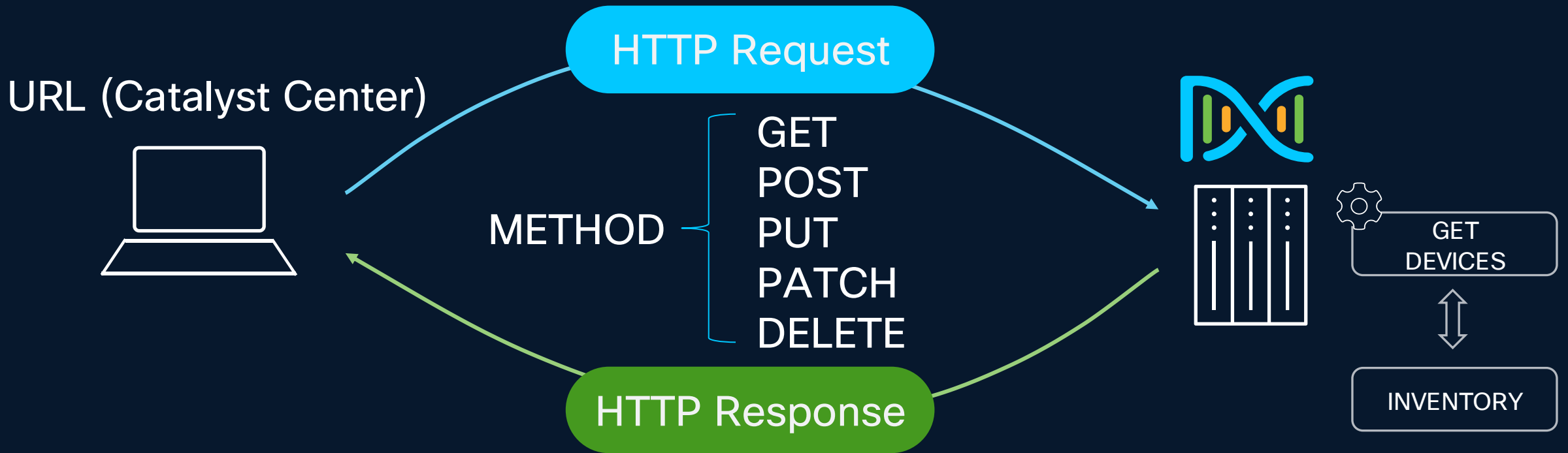
# Agenda

1. REST API Primer
2. Landscape
3. Evolution
4. Architecture
5. Where we were
6. Where we have gone
7. Capability Demo
8. The Destination

# Catalyst Center & REST-API's

# What are REST-API?

REST (Representational State Transfer)



Welcome, Keith Baldwin

Explore

### Assurance Summary

#### Health ⓘ

Healthy as of Nov 28, 2023 10:13 AM

32%	100%	100%
Network Devices	Wireless Clients	Wired Clients

[View Details](#)

#### Critical Issues

Last 24 Hours

7	0
P1	P2

[View Details](#)

#### Trends and Insights

Last 30 Days

0	1
AP Performance Advisories	Trend Deviations

[View Details](#)

### Network Snapshot

#### Sites

As of Nov 28, 2023 10:26 AM

11

DNS Servers : 1  
NTP Servers : 1

[Add Sites](#)

#### Network Devices

As of Nov 28, 2023 10:26 AM

27

Unclaimed: 10  
Unprovisioned: 8  
Unreachable: 12

[Find New Devices](#)

#### Application QoS Policies

As of Nov 28, 2023 10:26 AM

3

Successful Deploys: 3  
Errored Deploys: 0  
Stale Policies: 3

[Add New Policy](#)

#### Network Profiles

As of Nov 28, 2023 10:26 AM

Switching: 4  
Routing: 2

#### Images

As of Nov 28, 2023 10:26 AM

Untagged Images : 33

#### Software Image Updates

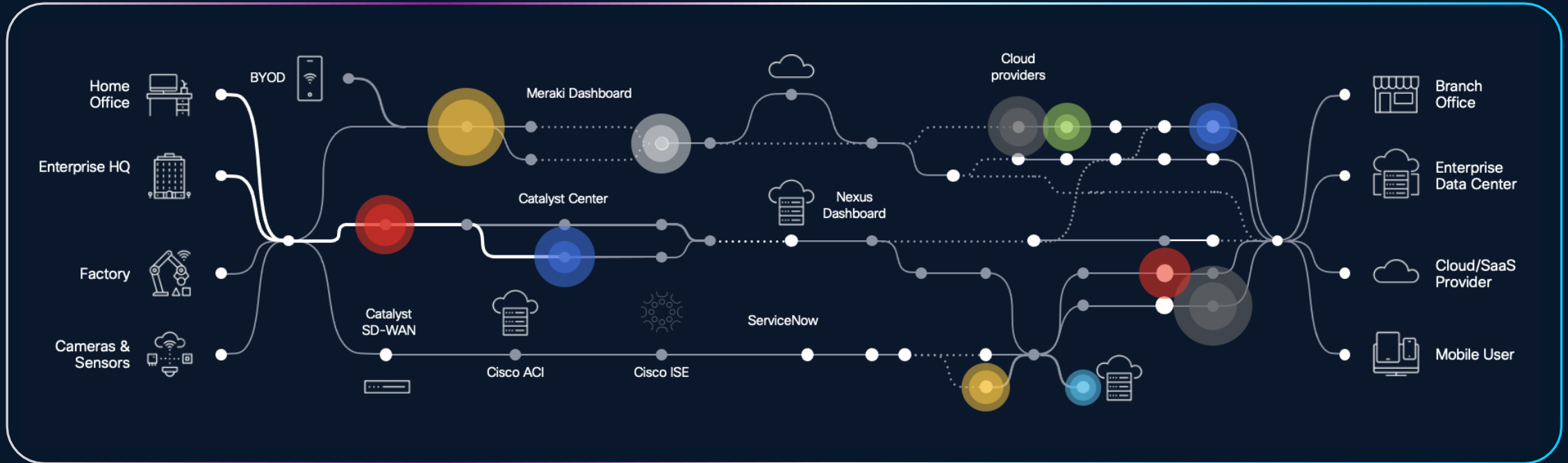
As of Nov 28, 2023 10:26 AM

Success : 49

Landscape

# Network management is far too complex

Isolated management discontinuous consoles complicate the management experience of enterprise networks



Error-Prone Processes | Wasted Time | Difficulties Tracking Changes

# Complexity creates challenges for both network and security teams

## Error-Prone Processes

Complexities leading to inaccuracies in the delivery and troubleshooting of sites and services.

## Time-Consuming Tasks

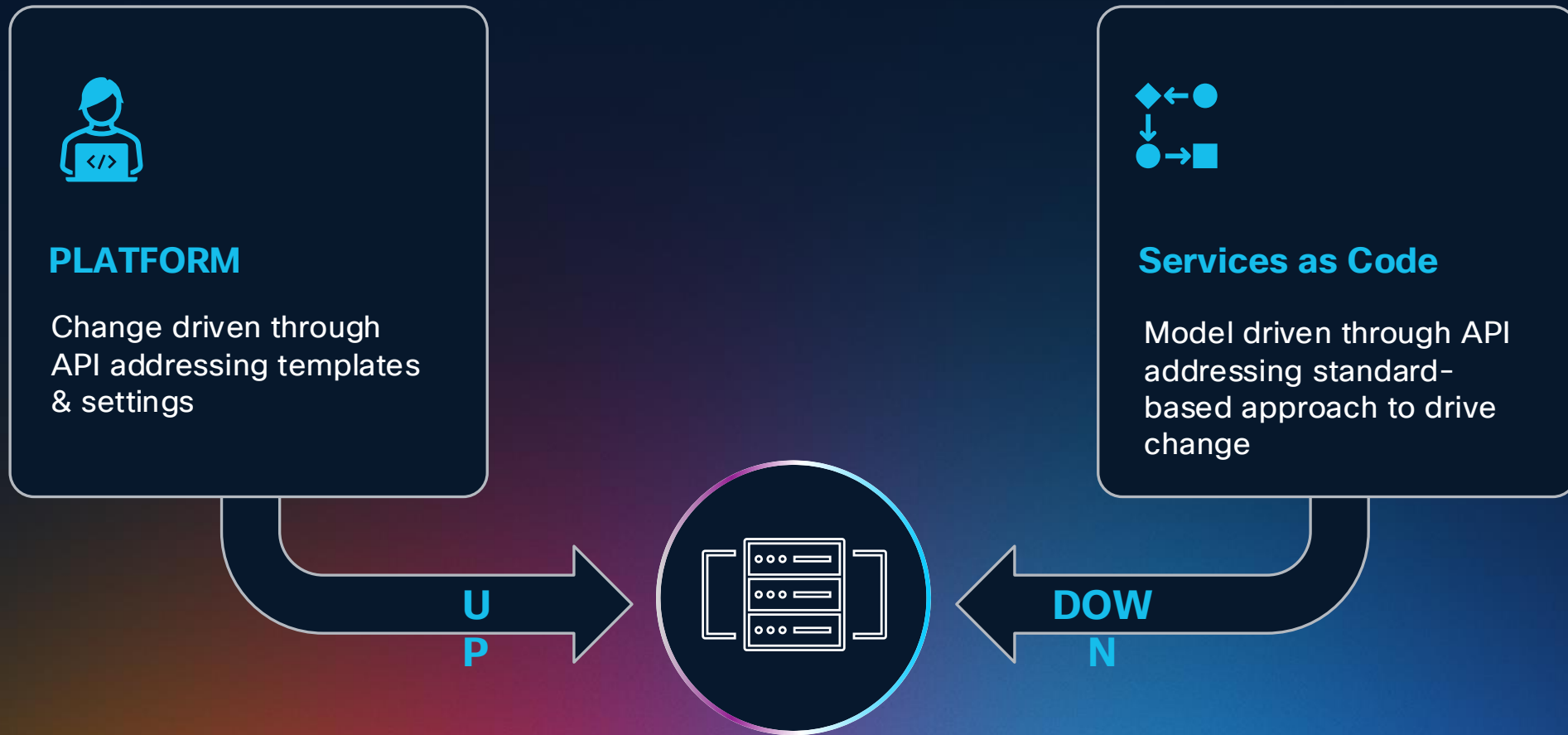
Repetitive processes across multiple domains creating a swivel chair effect for IT and security teams.

“IT staff are overwhelmed with the growing number of endpoint devices, operating systems, and applications.”

Chris Saunderson, Senior Director Analyst, Gartner

◀◀◀◀◀◀◀ Talent and Labor Shortages ▶▶▶▶▶▶▶▶

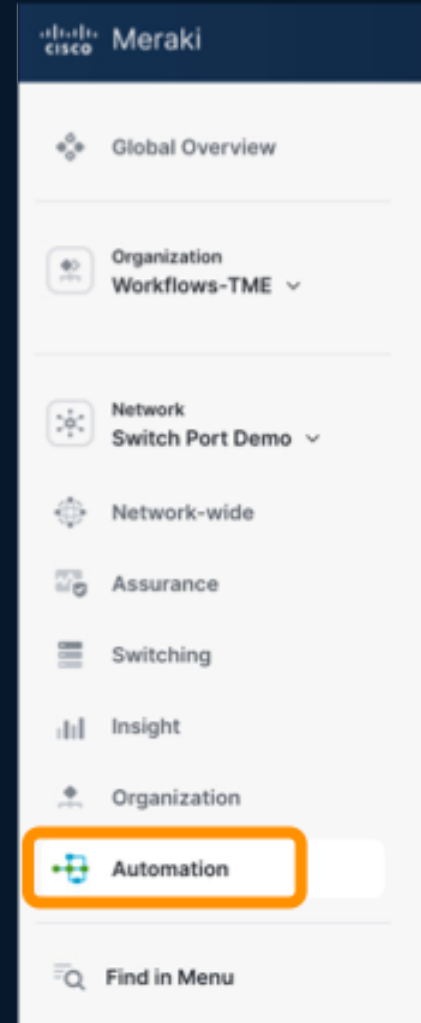
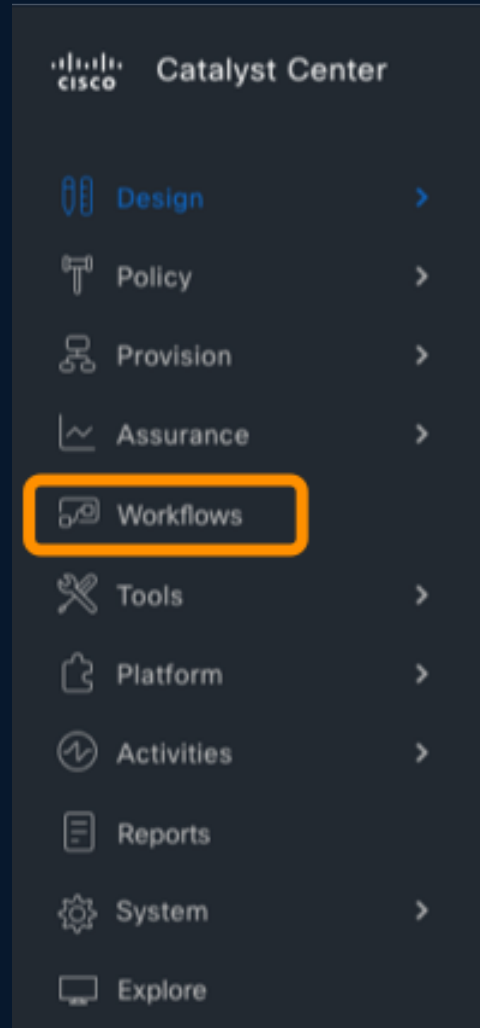
# Two Opposing Perspectives



# But what if there were a way to change that?



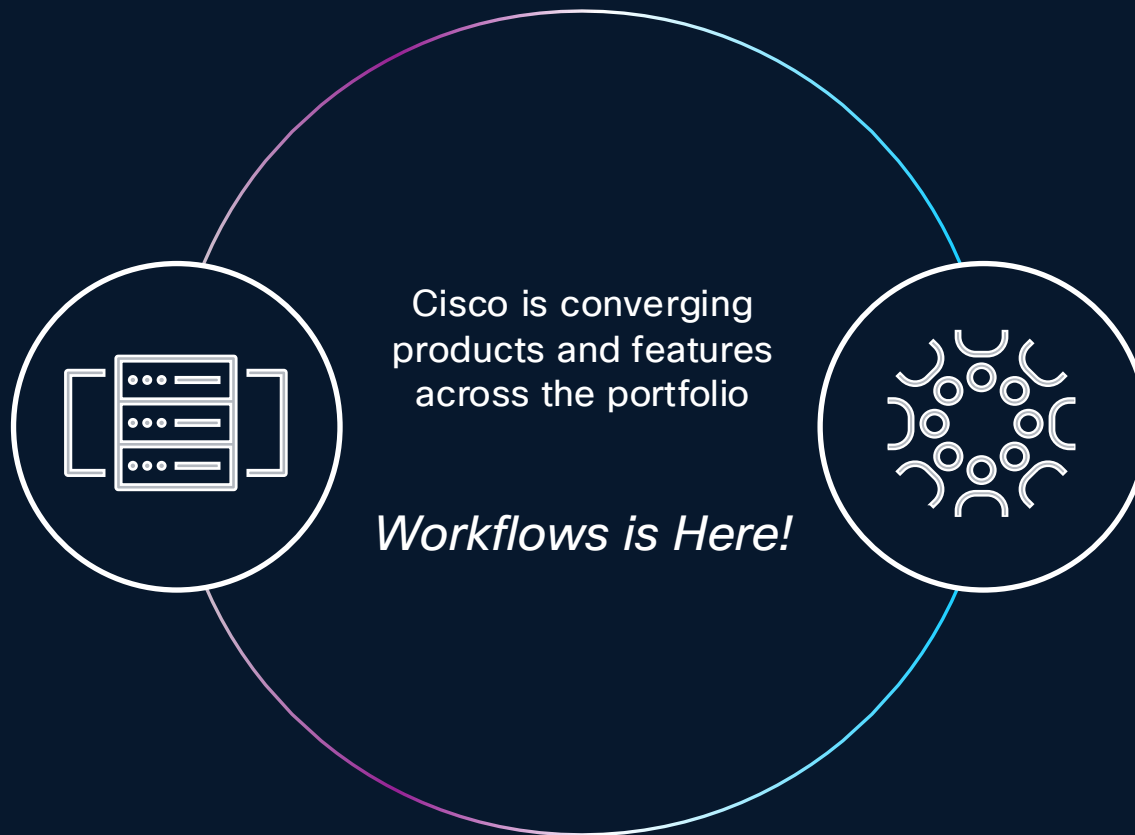
# Catalyst Center Workflows != Agentic Workflows



**Evolution**

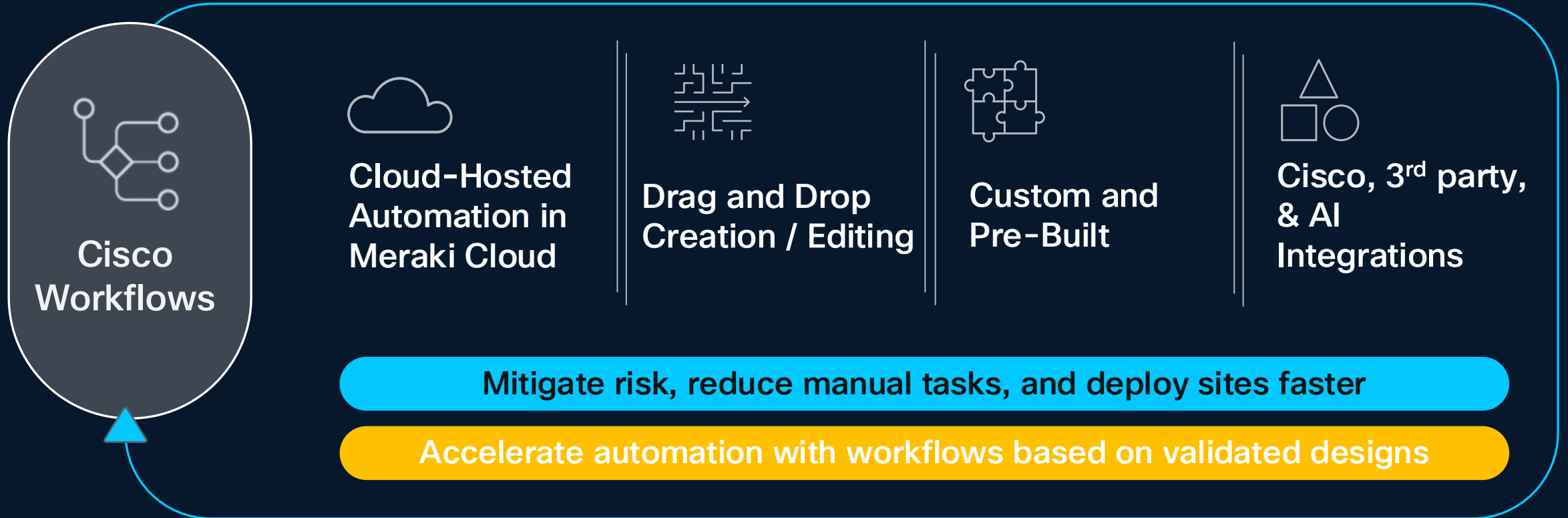
# Platform consolidation is the vision

**Networking**  
Catalyst Managed in Meraki  
Cisco Catalyst Center  
Cross Platform Navigator  
SD-WAN Interconnect  
Common Policy

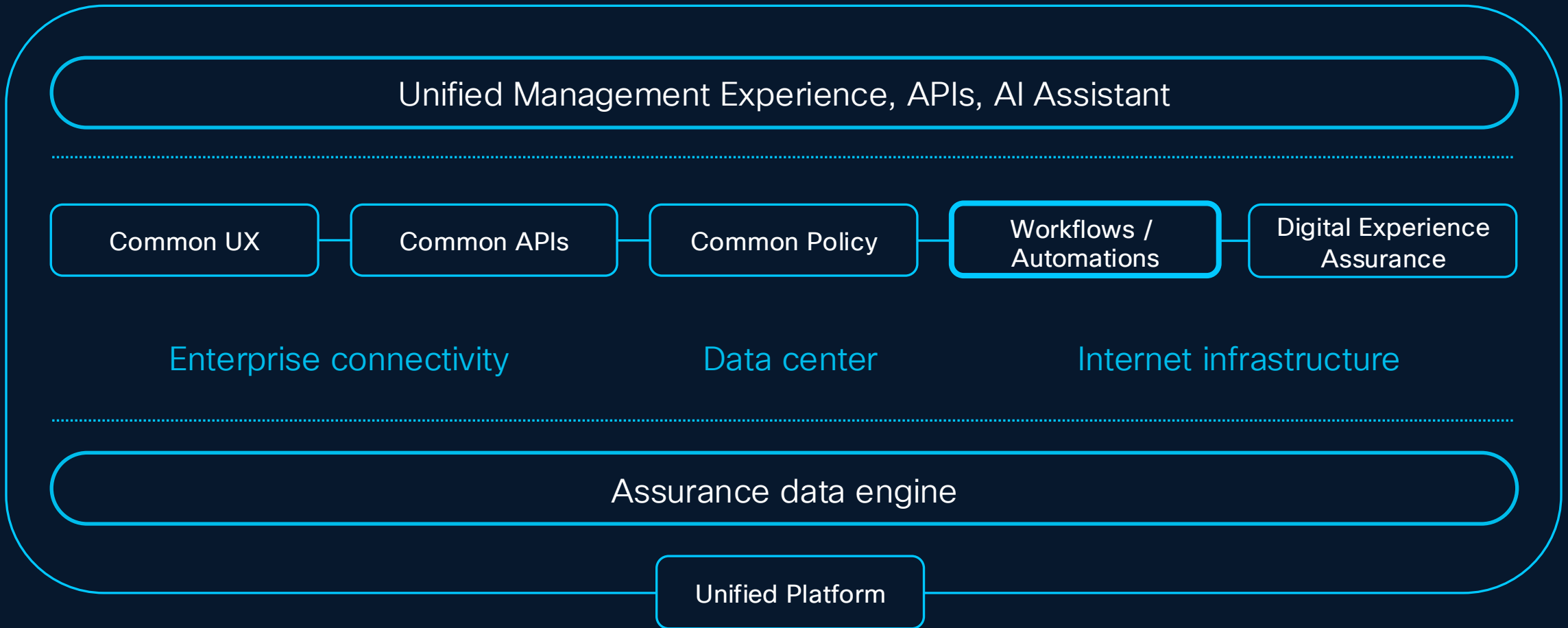


**Security**  
Unified SASE  
User Protection Suite  
Cloud Protection Suite  
Breach Protection Suite

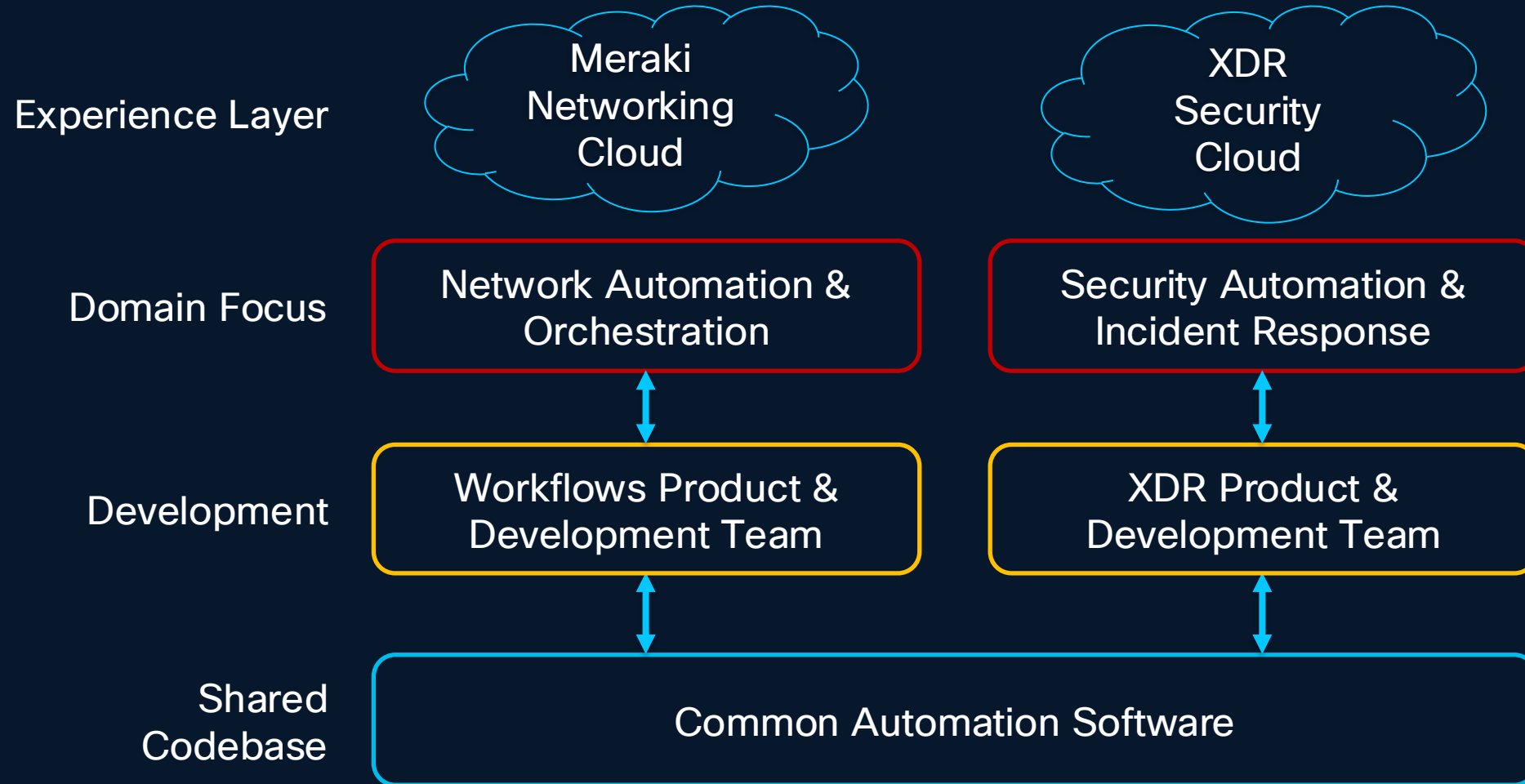
# Cisco Workflows



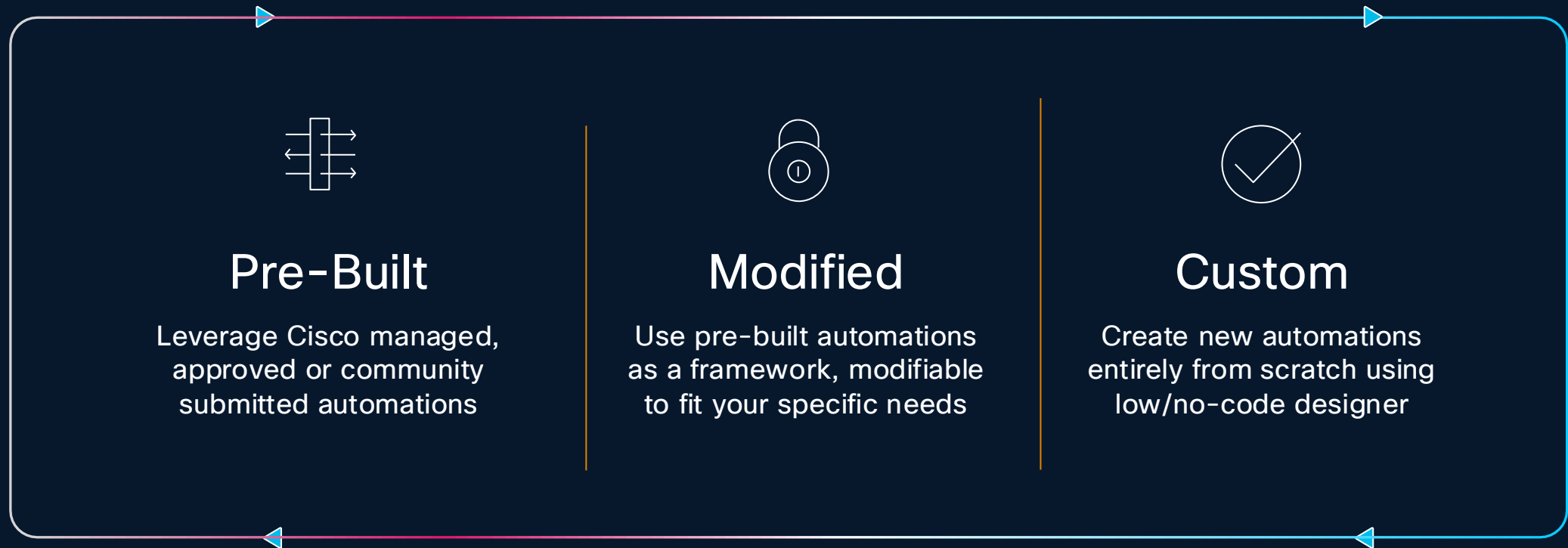
# Part of the Cisco Networking Cloud platform strategy



# Shared automation supports the vision

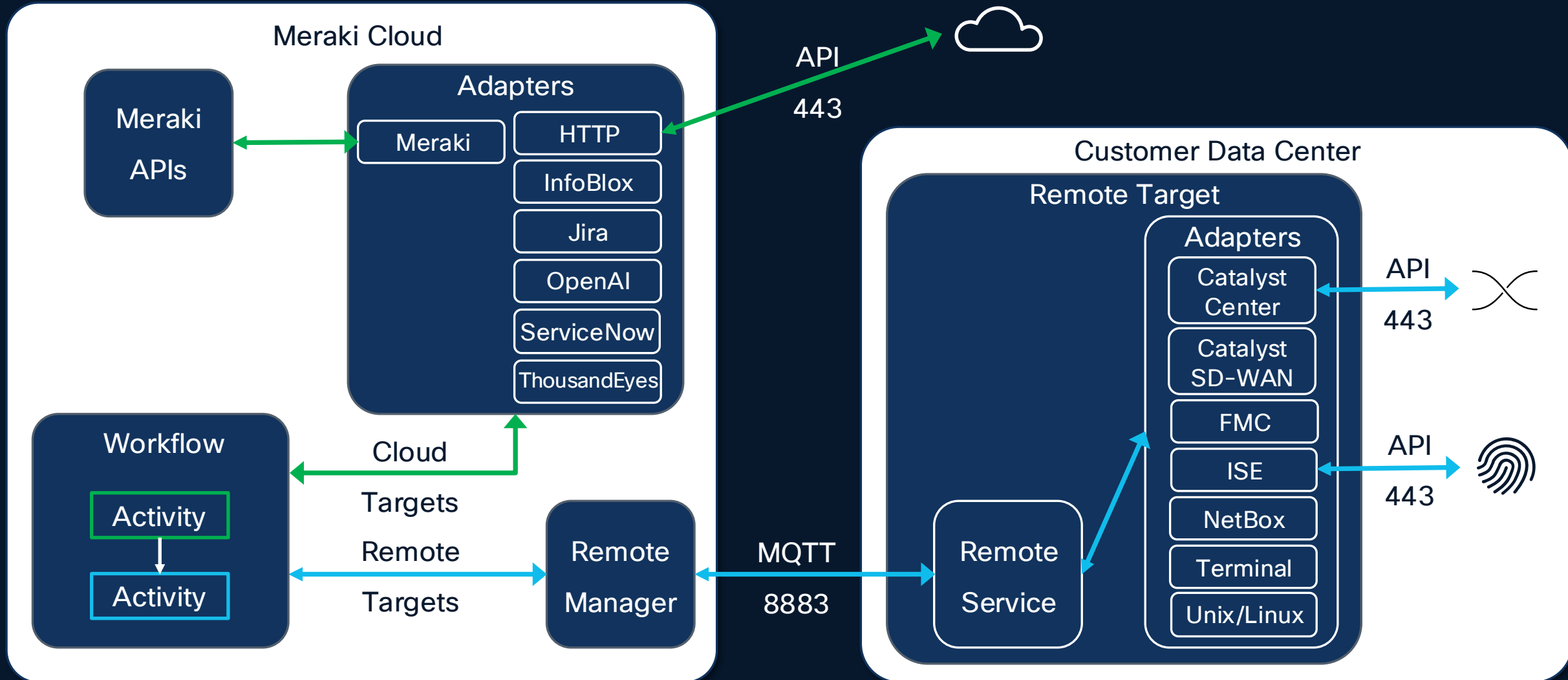


# Flexible consumption to meet your specific needs



**Architecture**

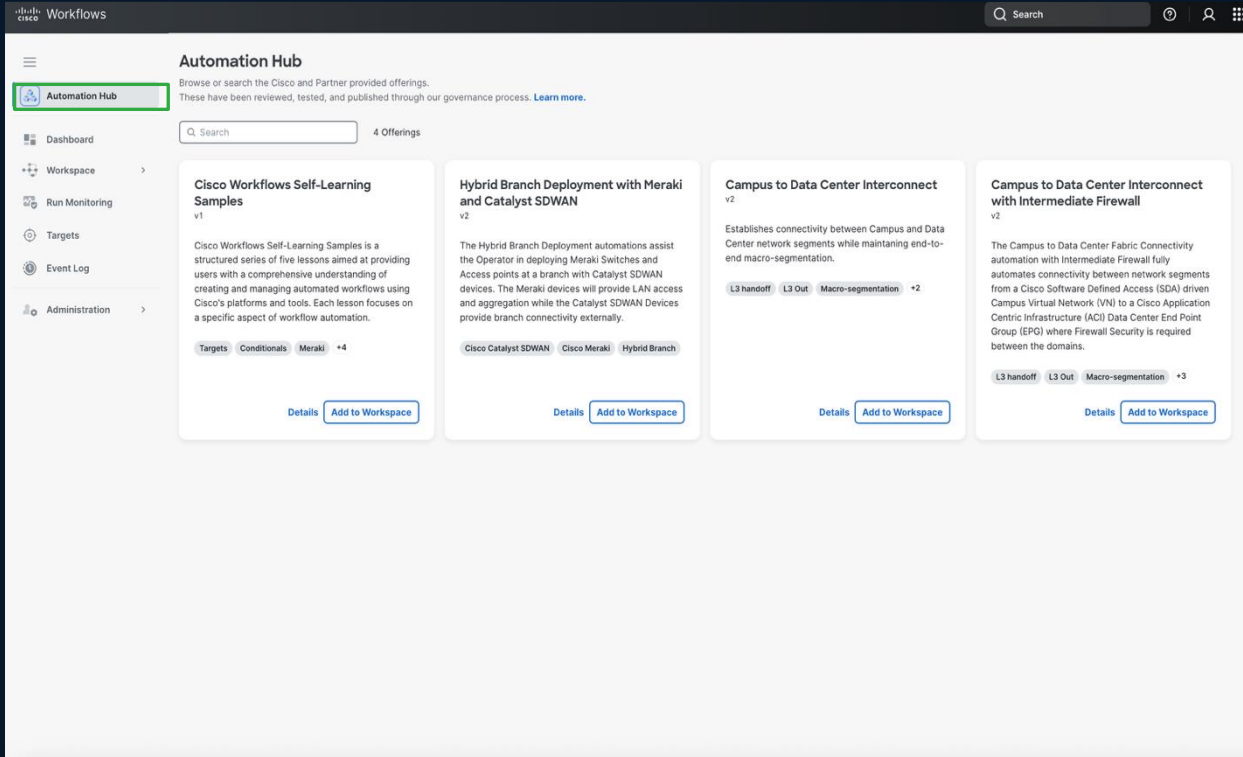
# Workflows Architecture



**Where we were**

# Exchange and Automation Hub

Community driven automation with the ability to submit



**Comprehensive Catalog**  
From Cisco, Partners, or the community.



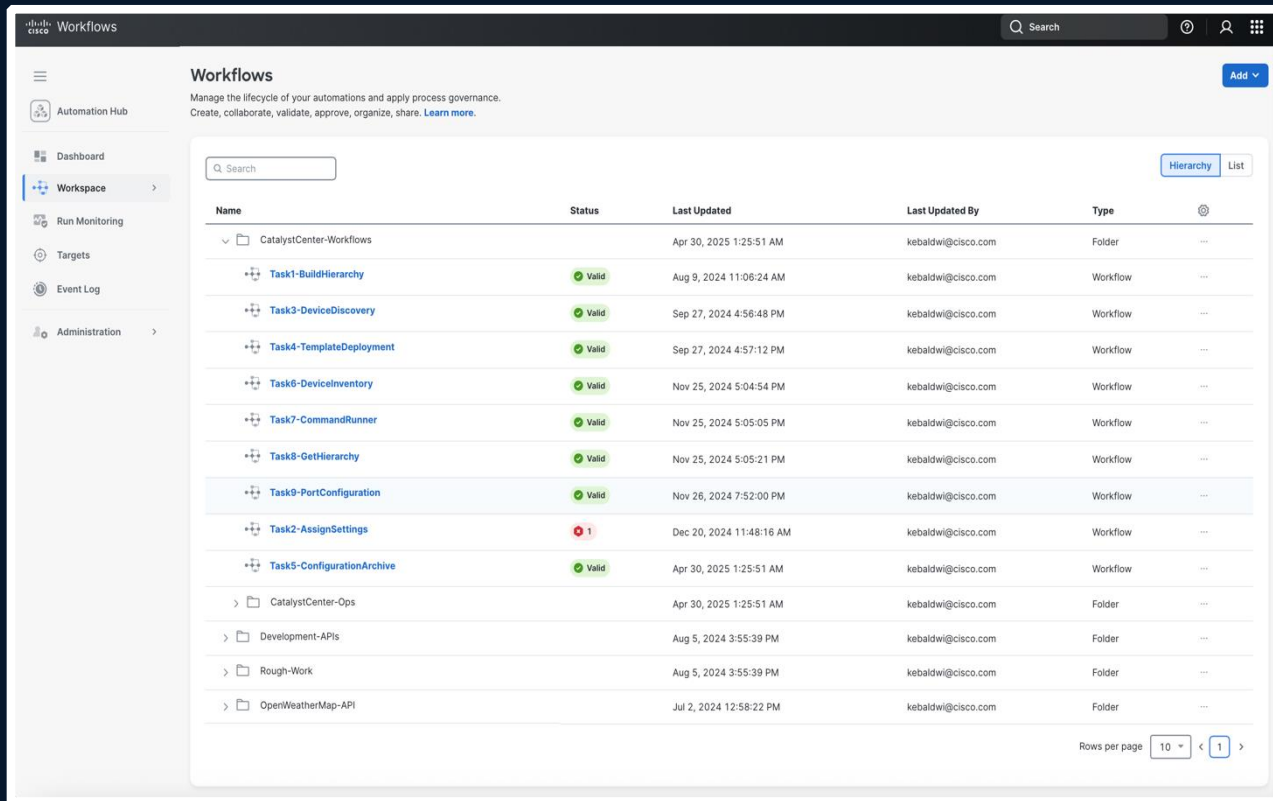
**Based on Validated Designs**  
Cisco Managed or Cisco Verified



**Updated Regularly and Often**  
A dynamic exchange provided by Cisco.  
Submit your own!

# Workspace

Favourite, organize, and manage workflow automation



Name	Status	Last Updated	Last Updated By	Type	
▼ CatalystCenter-Workflows		Apr 30, 2025 1:25:51 AM	kebalddw@cisco.com	Folder	...
▶ Task1-BuildHierarchy	Valid	Aug 9, 2024 11:06:24 AM	kebalddw@cisco.com	Workflow	...
▶ Task3-DeviceDiscovery	Valid	Sep 27, 2024 4:56:48 PM	kebalddw@cisco.com	Workflow	...
▶ Task4-TemplateDeployment	Valid	Sep 27, 2024 4:57:12 PM	kebalddw@cisco.com	Workflow	...
▶ Task6-DeviceInventory	Valid	Nov 25, 2024 5:04:54 PM	kebalddw@cisco.com	Workflow	...
▶ Task7-CommandRunner	Valid	Nov 25, 2024 5:05:05 PM	kebalddw@cisco.com	Workflow	...
▶ Task8-GetHierarchy	Valid	Nov 25, 2024 5:05:21 PM	kebalddw@cisco.com	Workflow	...
▶ Task9-PortConfiguration	Valid	Nov 26, 2024 7:52:00 PM	kebalddw@cisco.com	Workflow	...
▶ Task2-AssignSettings	1	Dec 20, 2024 11:48:16 AM	kebalddw@cisco.com	Workflow	...
▶ Task5-ConfigurationArchive	Valid	Apr 30, 2025 1:25:51 AM	kebalddw@cisco.com	Workflow	...
> CatalystCenter-Ops		Apr 30, 2025 1:25:51 AM	kebalddw@cisco.com	Folder	...
> Development-APIs		Aug 5, 2024 3:55:39 PM	kebalddw@cisco.com	Folder	...
> Rough-Work		Aug 5, 2024 3:55:39 PM	kebalddw@cisco.com	Folder	...
> OpenWeatherMap-API		Jul 2, 2024 12:58:22 PM	kebalddw@cisco.com	Folder	...



**Quickly View Workflows in Meraki**  
See status, owner, and details



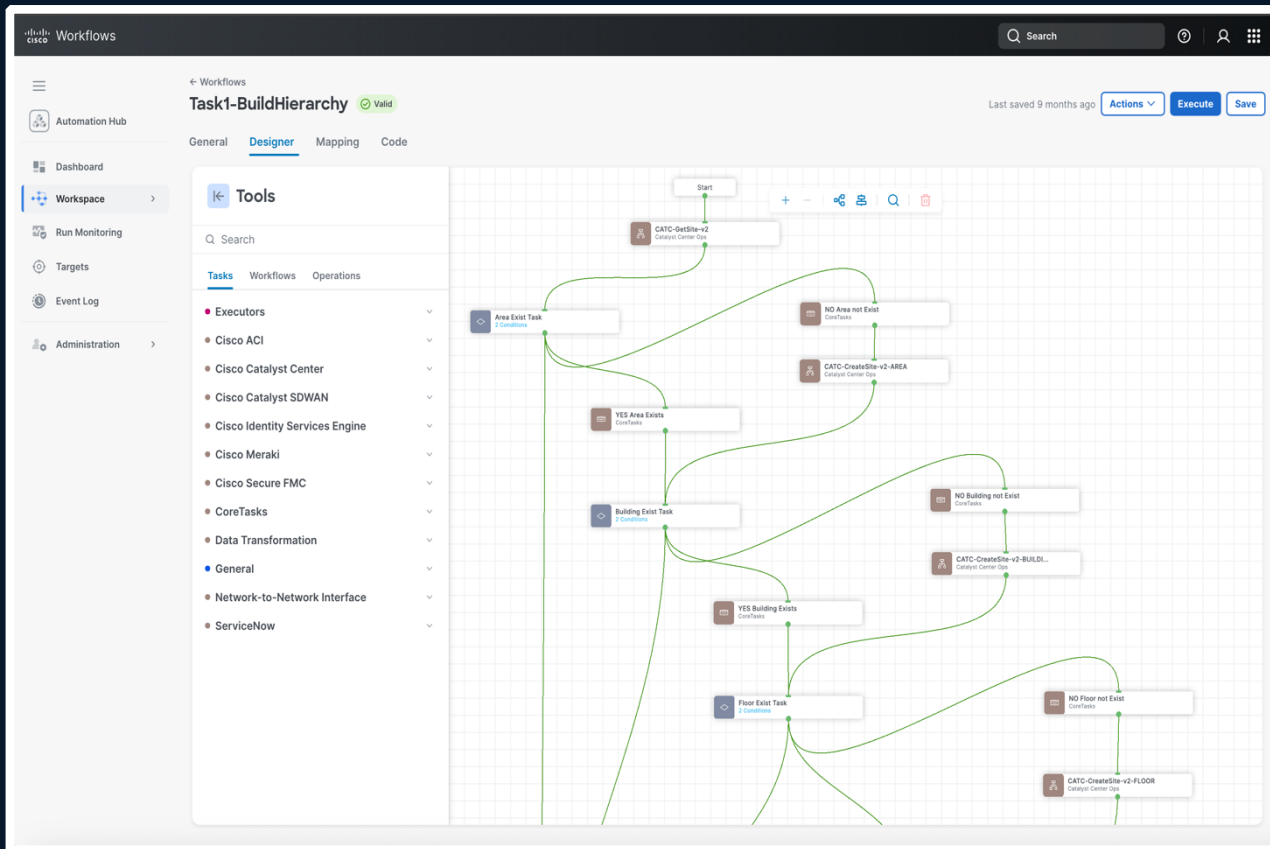
**Duplicate, Edit, and Share**  
Orchestrate automation commands



**Updated Regularly and Often**  
A dynamic exchange provided by Cisco.  
Submit your own!

# Workflow Editor

Drag-and-drop creation, sub-workflows, broad integrations, approvals



**Drag-and-Drop Builder**  
No code creation and editing



**User Flexibility**  
Data transformations, python, JSON  
table creation, loops, serials, conditions



**Flexible Deployment Options**  
Out-of-the-box, modified, or fully custom

**Where we have gone**

# Exchange and Automation Hub

Community driven automation with the ability to submit

The screenshot displays the Meraki Exchange and Automation Hub interface. The top navigation bar includes the Meraki logo and a search bar. The left sidebar lists various network categories, with 'Automation' highlighted. The main content area is titled 'Exchange' and provides a search and filter interface. Below this, there are six automation workflow cards, each with a title, version, validation status, description, tags, and 'Details' and 'Add to Workspace' buttons.

- Branch Deployment with Meraki and Catalyst SD-WAN** (v1, Validated): Brings up a Meraki Branch Site Network including Wired (eg: MS 390) and Wireless Clients. An SD-WAN Branch Router is then deployed to provide WAN connectivity to the Branch... (Tags: Branch, LAN, WAN, +2)
- Campus to Data Center Interconnect** (v3, Validated): Establishes connectivity between Campus and Data Center network segments while maintaining end-to-end macro-segmentation. (Tags: Fabric, EPG-Contract, ACI, +2)
- Campus to Data Center Interconnect with Intermediate Firewall** (v1, Validated): Establishes connectivity between network segments from a Cisco Software Defined Access (SDA) driven Campus Virtual network (VN) to a Cisco Application Centric Infrastructure (... (Tags: Firewall, ISE, Macro-segmentation, +2)
- Generate Incident Ticket** (v3, Validated): This automation provides a form to collect the necessary information to submit a Service Request Ticket to a ServiceNow instance. Once the information is collected thr... (Tags: ITSM, Incident, Ticket-Creation, +2)
- Deploy Wireless SSID with NAC Based Authentication** (v3, Validated): This workflow will deploy a Wireless Meraki Network using 802.1x with Radius. Cisco Identity Server is used for Authentication and Authorization. The Meraki Access Point... (Tags: Golden, Cisco Live)
- Get Cisco Catalyst SDWAN Policy Group ID** (v3, Validated): Retrieves the unique identifier (ID) associated with a specific policy group configured in Cisco Catalyst SD-WAN. This ID is used to reference and manage SD-WAN policies applied ac...



**Comprehensive Catalog**  
From Cisco, Partners, or the community.



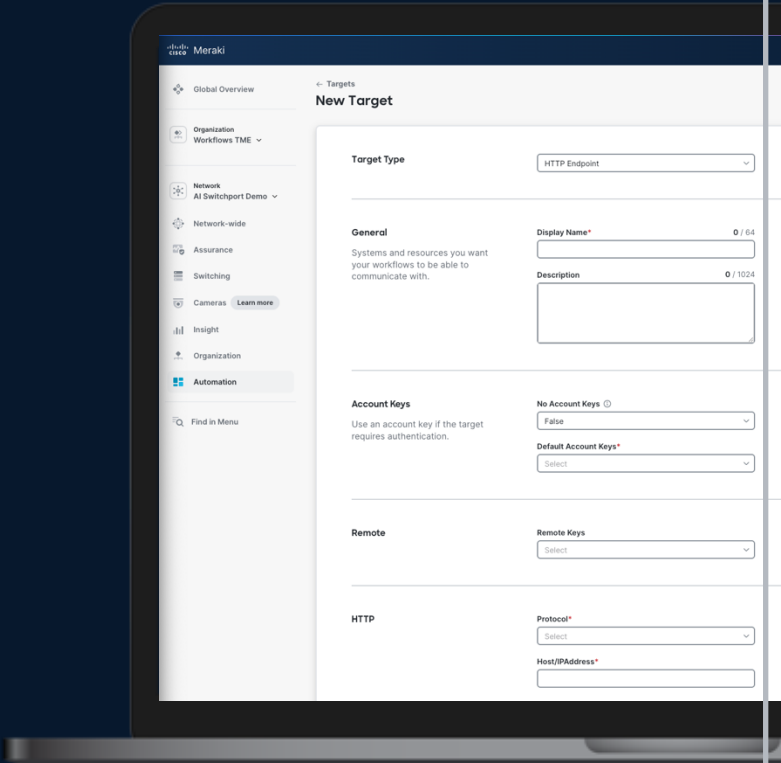
**Based on Validated Designs**  
Cisco Managed or Cisco Verified



**Updated Regularly and Often**  
A dynamic exchange provided by Cisco.  
Submit your own!

# Centralized Automation

Cisco and Third-Party Applications



- HTTP Endpoint ✓
- Ansible Tower Endpoint
- Azure AI Endpoint
- Catalyst Center
- Catalyst SDWAN Endpoint
- Cisco ISE
- FMC Endpoint
- Git Endpoint
- Git Repository
- IMAP Endpoint
- JDBC Database Server
- Meraki Endpoint
- Microsoft Graph Endpoint
- Microsoft Windows Endpoint
- NetBox Endpoint
- OpenAI Endpoint
- POP3 Endpoint
- SMTP Endpoint
- SNMP Endpoint
- ServiceNow Endpoint
- Terminal Endpoint
- Terraform Endpoint
- Unix/Linux Endpoint

## One Automation UI to...



Automate tasks across Meraki, Catalyst Center and SD-WAN, ISE, ACI, Nexus, and more.



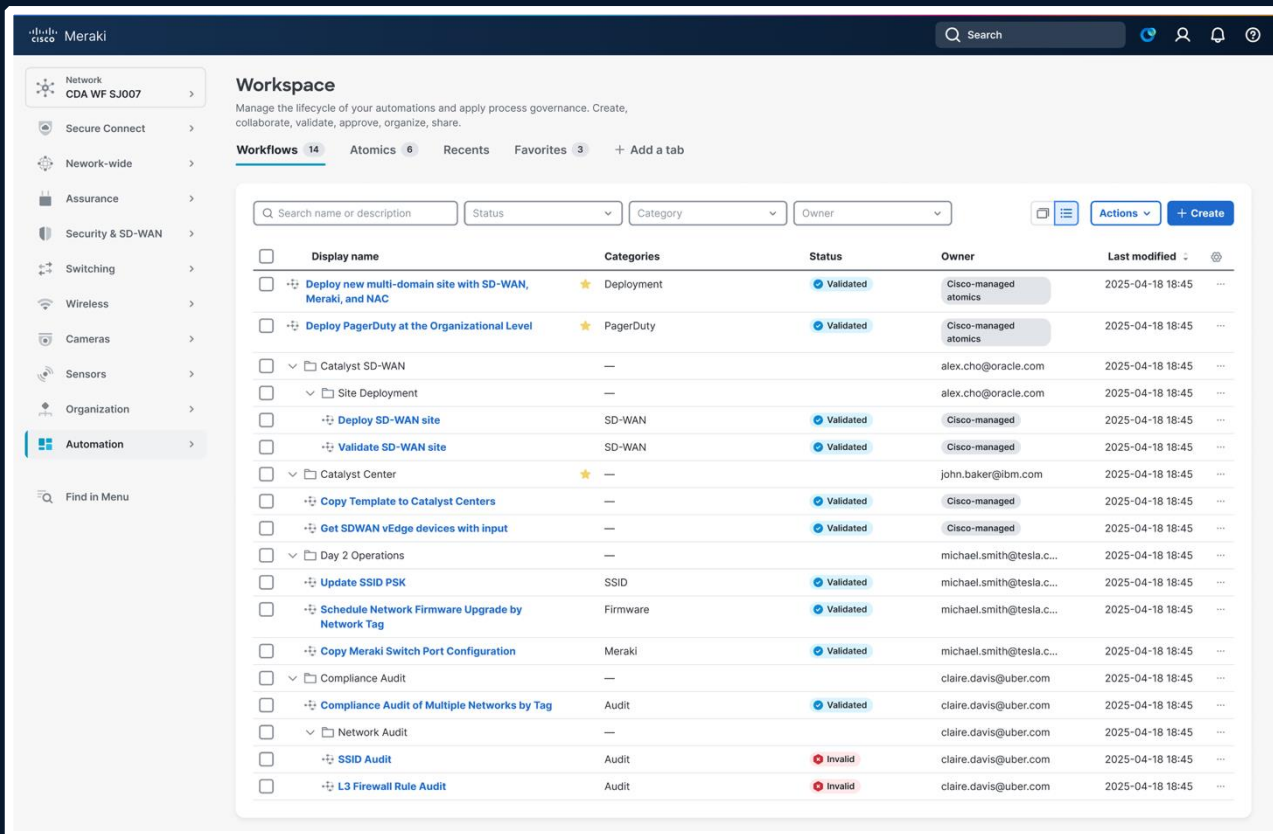
Integrate third-party applications such as ServiceNow into automation outcomes with Cisco domains.



Connect cloud and on-premise controllers to extend automation across the Cisco portfolio and beyond.

# Workspace

Favorite, organize, and manage workflow automation



The screenshot shows the Meraki Workspace interface. On the left is a navigation sidebar with categories like Network, Secure Connect, Network-wide, Assurance, Security & SD-WAN, Switching, Wireless, Cameras, Sensors, Organization, and Automation. The main area is titled 'Workspace' and contains a table of workflows. The table has columns for 'Display name', 'Categories', 'Status', 'Owner', and 'Last modified'. The workflows listed include 'Deploy new multi-domain site with SD-WAN, Meraki, and NAC', 'Deploy PagerDuty at the Organizational Level', 'Catalyst SD-WAN', 'Site Deployment', 'Deploy SD-WAN site', 'Validate SD-WAN site', 'Catalyst Center', 'Copy Template to Catalyst Centers', 'Get SDWAN vEdge devices with input', 'Day 2 Operations', 'Update SSID PSK', 'Schedule Network Firmware Upgrade by Network Tag', 'Copy Meraki Switch Port Configuration', 'Compliance Audit', 'Compliance Audit of Multiple Networks by Tag', 'Network Audit', 'SSID Audit', and 'L3 Firewall Rule Audit'.

Display name	Categories	Status	Owner	Last modified
Deploy new multi-domain site with SD-WAN, Meraki, and NAC	Deployment	Validated	Cisco-managed atomics	2025-04-18 18:45
Deploy PagerDuty at the Organizational Level	PagerDuty	Validated	Cisco-managed atomics	2025-04-18 18:45
Catalyst SD-WAN			alex.cho@oracle.com	2025-04-18 18:45
Site Deployment			alex.cho@oracle.com	2025-04-18 18:45
Deploy SD-WAN site	SD-WAN	Validated	Cisco-managed	2025-04-18 18:45
Validate SD-WAN site	SD-WAN	Validated	Cisco-managed	2025-04-18 18:45
Catalyst Center			john.baker@ibm.com	2025-04-18 18:45
Copy Template to Catalyst Centers		Validated	Cisco-managed	2025-04-18 18:45
Get SDWAN vEdge devices with input		Validated	Cisco-managed	2025-04-18 18:45
Day 2 Operations			michael.smith@tesla.c...	2025-04-18 18:45
Update SSID PSK	SSID	Validated	michael.smith@tesla.c...	2025-04-18 18:45
Schedule Network Firmware Upgrade by Network Tag	Firmware	Validated	michael.smith@tesla.c...	2025-04-18 18:45
Copy Meraki Switch Port Configuration	Meraki	Validated	michael.smith@tesla.c...	2025-04-18 18:45
Compliance Audit			claire.davis@uber.com	2025-04-18 18:45
Compliance Audit of Multiple Networks by Tag	Audit	Validated	claire.davis@uber.com	2025-04-18 18:45
Network Audit			claire.davis@uber.com	2025-04-18 18:45
SSID Audit	Audit	Invalid	claire.davis@uber.com	2025-04-18 18:45
L3 Firewall Rule Audit	Audit	Invalid	claire.davis@uber.com	2025-04-18 18:45



Quickly View Workflows in Meraki  
See status, owner, and details



Duplicate, Edit, and Share  
Orchestrate automation commands



Manage Your Team  
Enable Network Operations for daily tasks or Network Designers to create

# Workflow Editor

Drag-and-drop creation, sub-workflows, broad integrations, approvals

The screenshot displays the Meraki Workflow Editor interface. The main workspace shows a workflow titled "Compliance Audit on Multi-Organization Networks by Tag" with a status of "Workflow is unlocked". The workflow is a vertical sequence of steps: "Check for empty response", "Valid response", "Core Update organization counter", "Table Networks read table from JSON", "For each network" (a loop containing "Table Add row to table network table" and "Core Update network counter"), and "Empty Responses" (containing "Meraki - Get network activity"). A "Drag activity here" box is positioned over the "Empty Responses" section. The right sidebar shows "Workflow Properties" with fields for "Display name", "Owner" (Ed Novak), "Description", "Write" (with rich text editor), "Clean up after successful", "Is it atomic?", "Category" (Compliance, Meraki), and "Variables". The left sidebar shows a navigation menu with "Activities" and "Workflows" sections.



**Drag-and-Drop Builder**  
No code creation and editing



**Operational Flexibility**  
Data transformations, python, JSON  
table creation, loops, serials, conditions



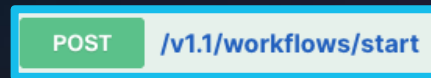
**Flexible Deployment Options**  
Out-of-the-box, modified, or fully custom

# How do you run a workflow? Any way you want to!

Manually



API



Scheduled



Webhook



AI Assistant



# Capability Demos

# Workflows Overview

CISCO Live !

# VARIOUS USE CASES



## GET HIERARCHY

This workflow returns hierarchy



## GET DEVICE INVENTORY

This workflow returns the inventory

*From simple...*

# Simple Tasks

CISCO Live !

# VARIOUS USE CASES



## GET HIERARCHY

This workflow returns hierarchy



## GET DEVICE INVENTORY

This workflow returns the inventory

*From simple...*



## BUILD HIERARCHY V2

This workflow builds hierarchy from a form



## NETWORK SETTINGS

This workflow assigns network settings



## DEVICE DISCOVERY

This workflow discovers devices and assigns to site



## PORT CONFIGURATION

This workflow modifies port configurations

*to advanced...*

# Advanced Tasks

CISCO Live !

# VARIOUS USE CASES



## GET HIERARCHY

This workflow returns hierarchy



## GET DEVICE INVENTORY

This workflow returns the inventory

*From simple...*



## BUILD HIERARCHY V2

This workflow builds hierarchy from a form



## NETWORK SETTINGS

This workflow assigns network settings



## DEVICE DISCOVERY

This workflow discovers devices and assigns to site



## PORT CONFIGURATION

This workflow modifies port configurations

*to advanced...*



## TEMPLATE GITHUB INTEGRATION

This workflow imports templates from GitHub so they can be provisioned.



## BROWNFIELD LEARN

This workflow builds onboards a device with AAA and fixes it so it can be provisioned.

*to complex...*

# Complex Tasks

CISCO Live !

# The Destination

# AI driven deterministic workflows

Leverage AI to assist Network Operator interaction with automation

Ask for an outcome

Make a request using natural language 😊

**You**

Run an automation that deploys of a unified wireless network service on both Meraki and Catalyst Center

**AI Assistant** 02:22 PM

Here is the details of the workflow you selected:

**Unified Wireless Network Service Deployment**

- Create and analyze Meraki and Catalyst Center Wireless Networks  
Not started
- Generate the combined Meraki and Catalyst Center Output Report  
Not started

Do you confirm that you want to proceed with this workflow?

👍 🗨️ 📄

**AI Assistant**

Please confirm that you want to execute the workflow titled "Unified Wireless Network Service Deployment" with these parameters:

Parameter	Value
Meraki Target Network Name	Campus Fabric
SSID Number	2
Wireless Network Name	Marketing
Passkey	*****
Encryption Mode	wpa
Authorization Mode	psk
WPA Encryption Mode	WPA2 only

This workflow will deploy a unified wireless network service with the specified SSID, security, and authorization settings.

Please confirm if you would like to proceed with these settings.

👍 🗨️ 📄

But  
Retain control over network changes 😊



**Speak your mind**

Ask the AI Assistant for help with your tasks



**Responsiveness**

Enquire to learn more about the outcome



**Dynamic Execution**

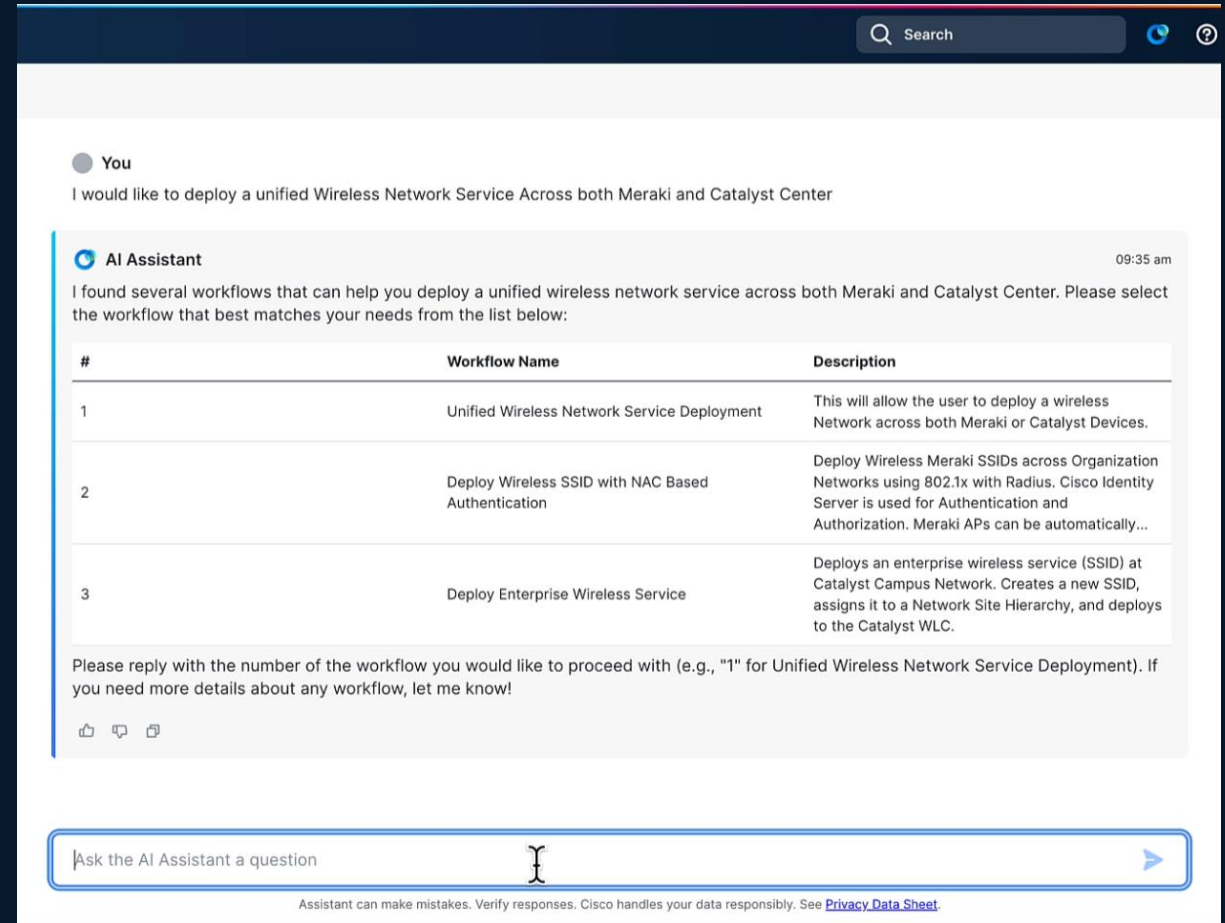
Interact to ensure your intention

# Important Concept: “Deterministic”

## Deterministic (for Network Engineers)

- The outcome is fully determined by the initial conditions—there’s **no randomness involved**
- Will always produce the exact same output when given the same input
- **LLMs like ChatGPT appear non-deterministic**, using randomness to make answers more diverse and natural
  - Powerful for creative tasks but require controls in environments that require precise repeatable actions (temperature=0)

Cisco offers AI powered **deterministic automation** with Workflows - (**Workflows can be initiated from AI Assist**)



The screenshot shows a chat interface with a search bar at the top right. The user asks: "I would like to deploy a unified Wireless Network Service Across both Meraki and Catalyst Center". The AI Assistant responds at 09:35 am, stating it found several workflows and provides a table of options.

#	Workflow Name	Description
1	Unified Wireless Network Service Deployment	This will allow the user to deploy a wireless Network across both Meraki or Catalyst Devices.
2	Deploy Wireless SSID with NAC Based Authentication	Deploy Wireless Meraki SSIDs across Organization Networks using 802.1x with Radius. Cisco Identity Server is used for Authentication and Authorization. Meraki APs can be automatically...
3	Deploy Enterprise Wireless Service	Deploys an enterprise wireless service (SSID) at Catalyst Campus Network. Creates a new SSID, assigns it to a Network Site Hierarchy, and deploys to the Catalyst WLC.

Please reply with the number of the workflow you would like to proceed with (e.g., "1" for Unified Wireless Network Service Deployment). If you need more details about any workflow, let me know!

At the bottom, there is a text input field with the placeholder "Ask the AI Assistant a question" and a blue arrow button. Below the input field, a small disclaimer reads: "Assistant can make mistakes. Verify responses. Cisco handles your data responsibly. See [Privacy Data Sheet](#)."

# Natural Language Workflow Generation

● You

Generate a Workflow that moves ports from a Meraki Switch into a secure VLAN called, "Quarantine".

User MUST provide the following:

- Meraki Switch Serial Number containing the switch ports
- The user will provide a string of ports in this format: 1,2,4,7-8

Output Variables

- Return an output variable in Markdown with a Table Summary of only the matching networks found.
- The Table Columns should be PortID, Name, Original VLAN, New VLAN

Constraints

- This VLAN should already exist. If it doesn't, end the workflow and indicate
- In order to understand which ports,
  - Expand the Ports from ranges into individual values and store them in a Table.
  - Loop over the table and Update Device Switch Port using each PortID from the Table and assign to the VLAN ID of "Quarantine".

● AI Assistant

01:29 PM

You have requested to generate a workflow plan. It can take several minutes to complete. Do you want to proceed?

● You

yes

● AI Assistant

01:29 PM

Organizing input

# Natural Language Workflow Generation

- Iterative development

## AI Assistant

### Workflow Plan

#### Step-by-Step Plan: Move Switch Ports to Quarantine VLAN

This plan outlines the automation workflow to move specified ports on a Meraki switch to a 'Quarantine' VLAN within the 'BXB Workflows' organization and 'Hotel Network'.

##### Step 1: Retrieve Organization ID

- **Action:** Get the unique identifier for the 'BXB Workflows' organization.
- **Method:** Workflow `definition_workflow_02M605GS81XN44qr4RBWrJ6Zazk7k0ArIYX` (Meraki - Get Organization By Name or ID)
- **Details:**
  - Input - Organization Name or ID : "BXB Workflows"
- **Expected Result:** Organization ID ( `variable_workflow_02M605GTJITQP1fcLQIR8CLYAHoMomGWZvE` )

##### Step 2: Retrieve Network ID

- **Action:** Get the unique identifier for the 'Hotel Network' within the organization.
- **Method:** Workflow `definition_workflow_02LCR4UKH38PM6zDR4Bx2b2J165gCF1mhvh` (Meraki - Get Network By Name or ID)
- **Details:**
  - Input - Organization Name or ID : Organization ID from Step 1
  - Input - Network Name or ID : "Hotel Network"
- **Expected Result:** Network ID ( `variable_workflow_02LCRPN6EZY51pb3GRpQG7QdKWS452YyuL` )

##### Step 3: Verify 'Quarantine' VLAN Existence

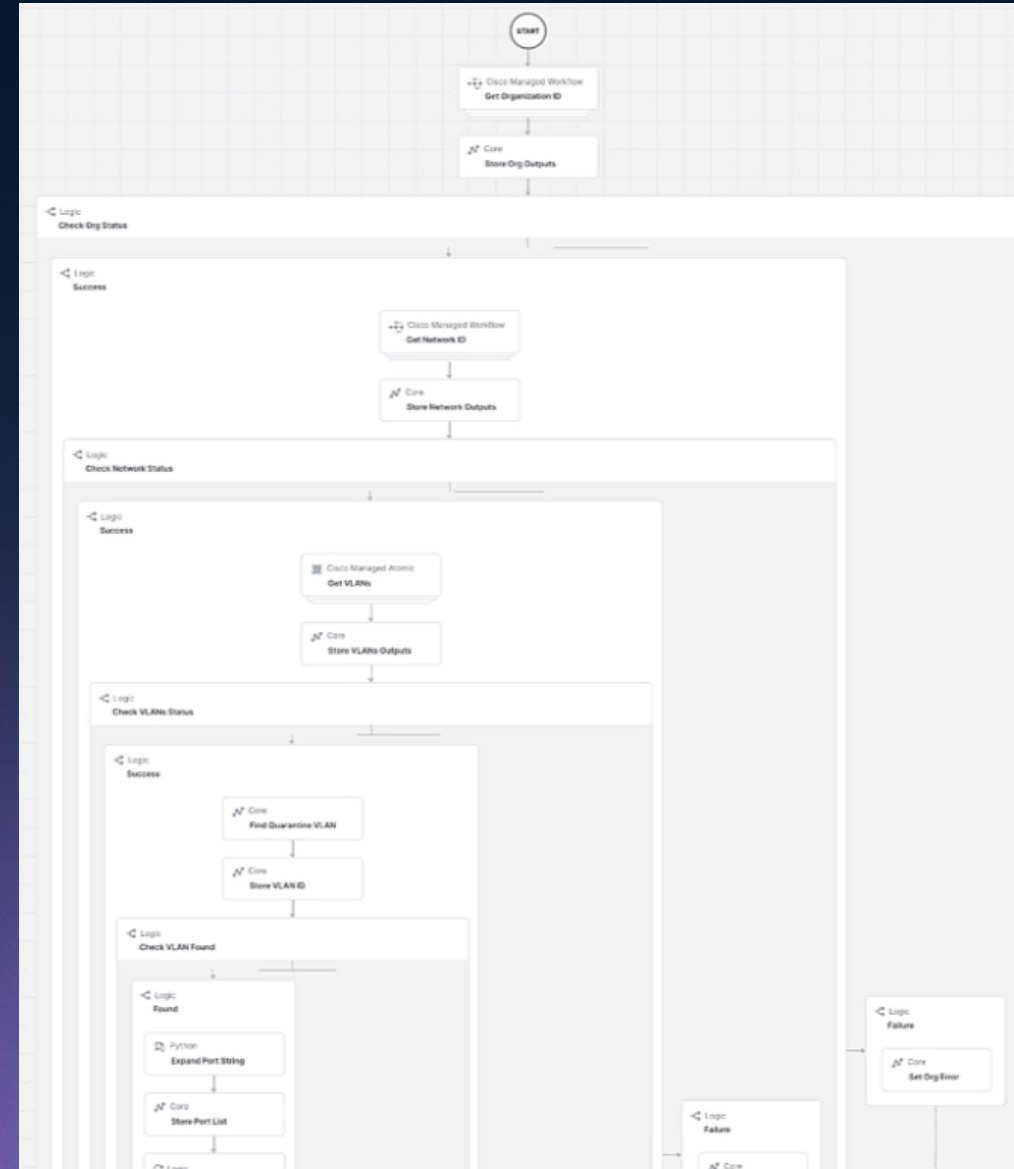
- **Action:** List all VLANs in the network and check for one named 'Quarantine'.
- **Method:** Workflow `definition_workflow_02L6HO3MVE3076LgocjRMWpLoMD5gmGlgIR` (Meraki - Get Network Appliance VLANs)
- **Details:**
  - NetworkId : Network ID from Step 2
- **Logic:**
  - Parse the `Result` JSON to find a VLAN where `name == "Quarantine"`.
  - If found, store the `id` of the VLAN.
  - If NOT found, terminate the workflow with a message indicating the VLAN does not exist.
- **Expected Result:** Quarantine VLAN ID

##### Step 4: Expand Port String

- **Action:** Convert the user-provided port string (e.g., '1,2,4,7-8') into a list of individual port IDs.

# Natural Language Workflow Generation

- Deterministic Outcomes
- Review and validate, or edit to customize



# Natural Language Workflow Generation

**AI Generated  
Automation  
Early Access Request**



**Call to action**

# Continue your education



**Visit** the other sessions here at Cisco Tech Days

And book your trip to Cisco Live!



**Book** your one-on-one Meet the Engineer meeting



**Attend** interactive education with Cisco U



**Visit** the On-Demand Library for more sessions at [CiscoLive.com/On-Demand](https://CiscoLive.com/On-Demand)

**Contact me at:** [kebaldwi@cisco.com](mailto:kebaldwi@cisco.com)

# Aid Stations

Help with Workflows

## World of Solutions Demo



### DEMFPW-17 AgenticOps: Agents in action Simplify operations for networking

We'll be showcasing the latest in:

- **Cisco AI Canvas,**
- **Cisco AI Assistant,**
- **Agentic Workflows.**

It's the perfect chance to see these innovations in action and get your questions answered.

## Sessions



**TECOPS-1592** No Code. All Power. Zero to Automate - Everything Hero with Cisco Workflows

**TECAI-2269** Supercharge your Automation using AI with Workflows

**BRKOPS-2379** Automate Cisco Catalyst Center with Cisco Workflows

**LTROPS-1424** Zero to Automation Hero: Mastering No-code Multi-Domain

Automation with Cisco Workflows

**CISCOU-1368** No-Code Network Automation: Instantly Respond to Network

Events with Cisco Agentic Workflows

**DEVNET-2193** When to Build (and Not Build) Your Own Agent: Deterministic

vs. Probabilistic Automation with Cisco XDR and Meraki

**DEWKS-1314** Automating with Cisco Workflows Intro: What is it and Why I Should Care?

**DEWKS-2786** Empowering Self-Service Automation by Simplifying IaC with Cisco Workflows

**BRKOPS-2357** From NetDevOps to AI-Assisted Operations: Automating Networks with a Source of Truth

**BRKOPS-2302** Ambient AI Agents: Running Your Network While You Sleep

# Join the Workflows Community

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## Cisco Workflows

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Labels: ACI (2) Catalyst Center (2) Cisco Workflows (7) Compliance (1) Cross-Domain (2) Meraki (4) Multi-Controller (1) SD-WAN (2)

### Forum Posts

Sorted by: Most recent Start a conversation

by HannesHeinrich • Level 1 537 2 0

Dealing with Basic Authentication & Bearer tokens in Cisco-Workflows

Hello everyone. I noticed the following problem today when trying out Cisco Workflows. A token must be created for authorisation on the Umbrella API (Create Authorization Token - Cloud Security API - Cisco DevNet). I have created the Umbrella API as ...

02-15-2025 9:21:56 AM | Posted in Cisco Workflows  
Last Activity on 03-07-2025 by HannesHeinrich

by Claes Leuven • Level 1 870 11 0

Devnet and CiscoLive resources for Cisco Workflows

Are there any learning labs, sample code or articles for Cisco Workflows on Cisco Devnet? And are there any more sessions in CiscoLive on-demand-library besides the DEVNET-1785 that is about Cisco Workflows?

11-13-2024 7:54:34 AM | Posted in Cisco Workflows  
Last Activity on 03-03-2025 by Ed Novak - Cisco Workflows TME

by Ed Novak - Cisco Workflows TME • Cisco Employee 393 5 1

What's New in Workflows?

November has brought some exciting new enhancements and offers to Cisco Workflows: Enhanced User Action Design and Input Mapping We have enhanced user action functionality by allowing designers to map fields to previous tasks or workflow inputs duri...

11-15-2024 12:21:19 PM | Posted in Cisco Workflows  
Last Activity on 02-25-2025 by Ed Novak - Cisco Workflows TME

Hi Ed Novak - Cisco Workflows TME, did you know:  
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Dealing with Basic Authentication & Bearer tokens in Cisco-Workflows  
Cisco Workflows  
Devnet and CiscoLive resources for Cisco Workflows  
Cisco Workflows  
All Solutions

# Self-Learning Samples YouTube Playlist

Training Plan

[youtube.com/@CiscoWorkflows](https://youtube.com/@CiscoWorkflows)

[cs.co/WorkflowsSelfLearning](https://cs.co/WorkflowsSelfLearning)

These training videos walk through the basics of getting started with creating Workflows

The image shows a screenshot of a YouTube playlist titled "Cisco Workflows Self-Learning Samples ...". The playlist is by "Cisco Workflows" and contains 11 videos with a total of 2,186 views. The videos are listed as follows:

- 1. Workflows Tour**  
Cisco Workflows • 672 views • 3 weeks ago  
Duration: 7:58
- 2. Hello Web Service**  
Cisco Workflows • 379 views • 3 weeks ago  
Duration: 13:37
- 3. Variables and Conditionals**  
Cisco Workflows • 260 views • 3 weeks ago  
Duration: 20:10
- 4. Tables and Loops**  
Cisco Workflows • 225 views • 3 weeks ago  
Duration: 20:24
- 5. Python in Workflows**  
Cisco Workflows • 167 views • 3 weeks ago  
Duration: 11:22
- 6. User Tasks - How to pause a workflow for a user to make a...**  
Cisco Workflows • 114 views • 3 weeks ago  
Duration: 17:45
- 7. Meraki Organizational Search for Networks by tag**  
Cisco Workflows • 178 views • 3 weeks ago  
Duration: 25:53
- 8. How to Launch Workflows using Webhook Capabilities**  
Cisco Workflows • 154 views • 3 weeks ago  
Duration: 21:54
- 9. AI Assistant and Workflows**  
Cisco Workflows • 61 views • 3 weeks ago  
Duration: 7:29
- 10. AI LLM Actions in Workflows**  
Cisco Workflows • 135 views • 3 weeks ago  
Duration: 17:22
- 11. Managing GitHub Repositories in Workflow**  
Cisco Workflows • 87 views • 3 weeks ago  
Duration: 17:22

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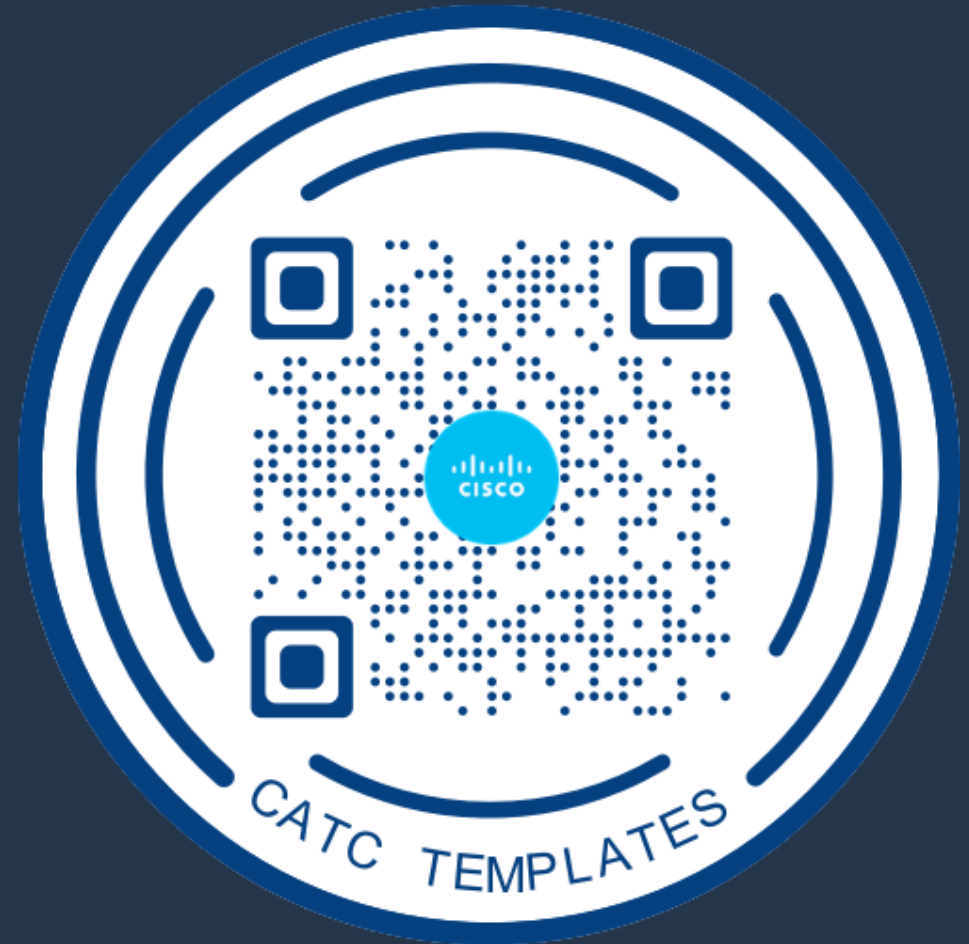
## CATC-TEMPLATES Repository

For more programmability with Catalyst Center visit:

Complete with Cisco Workflow tutorials, and Labs.

<https://cs.co/CATC-TEMPLATES>

Contact me at: [kebaldwi@cisco.com](mailto:kebaldwi@cisco.com)



**CISCO** Engage !

**Thank you**



