Your Blueprint for a Unified Branch: Scalable, Secure, and Assured

Lee Peterson
VP, Secure WAN Product Management

November 2025

Resilient, secure branch is critical for delivering amazing consumer experiences

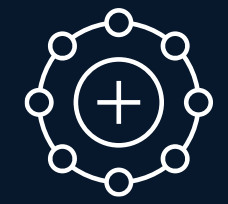
- Need for fast, reliable Wi-Fi and internet connection
- Workloads shifting to SaaS, public cloud, and data center
- No local IT support – increase the need for operational simplicity
- Post-quantum cryptography safe

This requires a new branch architecture

Architecture for the AI-Ready secure network

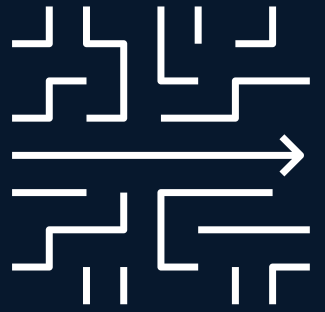
AgenticOps
for operational simplicity

Scalable devices
ready for AI



Security
fused into the network

AgenticOps for operational simplicity



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A platform strategy that meets customers where they are

On-prem

Hybrid

Cloud

One Hardware | One License | One Support

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Introducing Unified Branch

Platform led Secure Networking Architecture

Management

API / Integrations

Assurance

AgenticOps

Wi-Fi

Switching

Secure Router
(NGFW + SASE)

Branch automation: CVD based Branch as Code & Agentic Workflows

Support & service offers

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What products make up the Unified Branch?

Meraki Dashboard

Wi-Fi

Cisco Wi-Fi 7

Switching

Cloud-Managed Catalyst
Meraki Switching
Cisco Smart Switches

Routing+ Firewall + SASE

Meraki MX
Cisco Secure Routers
SASE (Secure Access + SD-WAN)

Assurance

ThousandEyes
(Small, Medium, Large)

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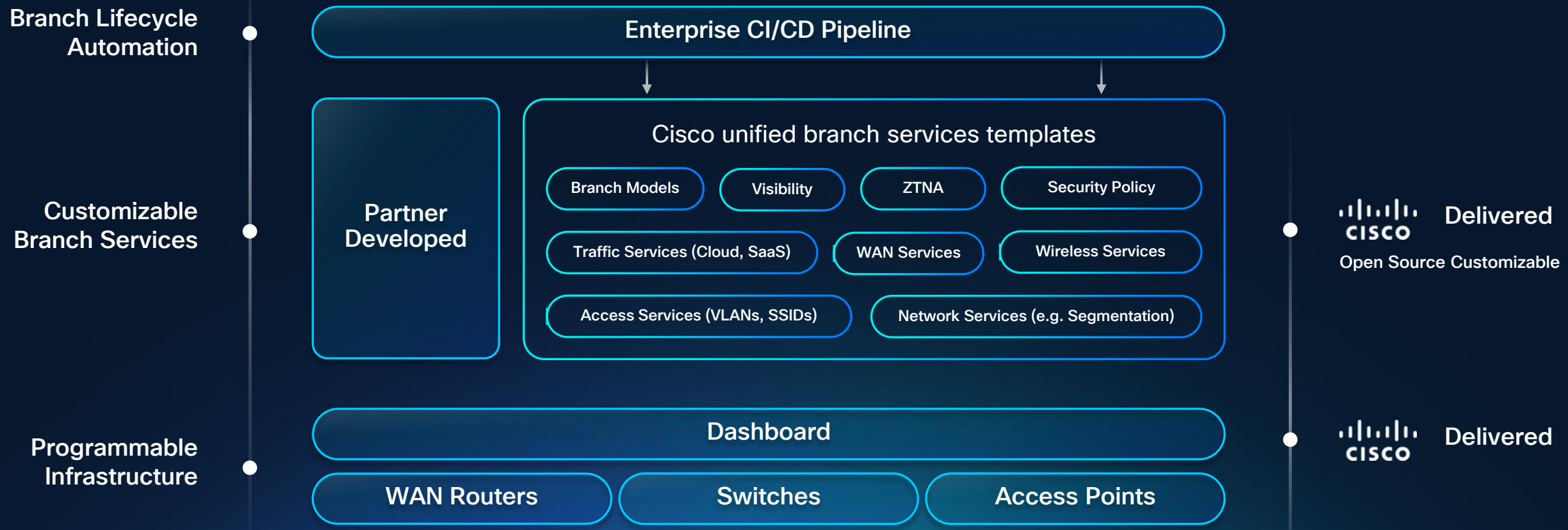
Large scale deployments with Unified Branch



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1 1
Search or go to...

Project

Meraki As Code Demo
Pinned
Repository
Pipelines
Issues 0
Merge requests 0
Commits
Terraform states
Manage
Plan
Code
Build
Secure
Deploy

Help Admin

main / meraki-as-code-demo / data / pods_variables.nac.yaml

Find file | Blame | History | Permalink

clean up
Snezana Mitrovic authored 17 minutes ago

634bdebd

pods_variables.nac.yaml 6.10 KiB

Blame | Edit | Replace | Delete

```yaml
meraki:
  domains:
    - name: EMEA
      administrator:
        name: admin
      organizations:
        - name: CX Meraki Lab
          managed: false
          networks:
            - name: Unified Hub
              templates: [product_types, snmp, syslog, app_settings, network_settings, app_hub, app_vlans]
              variables:
                snmp_username: user1
                syslog_server: 3.4.5.6
                local_status_page_username: admin
                appliance-01-serial: Q3LC-D4M5-Q8QL
                appliance-01: Hub
                vlan10_subnet: 10.1.1.0/24
                vlan10_appliance_ip: 10.1.1.1
                vlan10_dhcp_start: 10.1.1.40
                vlan10_dhcp_end: 10.1.1.50
                vlan20_subnet: 10.1.2.0/24
                vlan20_appliance_ip: 10.1.2.1
                vlan20_dhcp_start: 10.1.2.40
```

1 1
Search or go to...

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main / meraki-as-code-demo / data / pods_variables.nac.yaml

Find file | Blame | History | Permalink

remove test
Rafael Muller authored 7 minutes ago

1182f8c5

pods_variables.nac.yaml 6.10 KiB

Blame | Edit | Replace | Delete

Open in Web IDE
Quickly and easily edit multiple files in your project.

Edit single file
Edit this file only.

```yaml
meraki:
  domains:
    - name: EMEA
      administrator:
        name: admin
      organizations:
        - name: CX Meraki Lab
          managed: false
          networks:
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              templates: [product_types, snmp, syslog, app_settings, network_settings, app_hub, app_vlans]
              variables:
                snmp_username: user1
                syslog_server: 3.4.5.6
                local_status_page_username: admin
                appliance-01-serial: Q3LC-D4M5-Q8QL
                appliance-01: Hub
                vlan10_subnet: 10.1.1.0/24
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                vlan10_dhcp_start: 10.1.1.40
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                vlan20_dhcp_start: 10.1.2.40
```

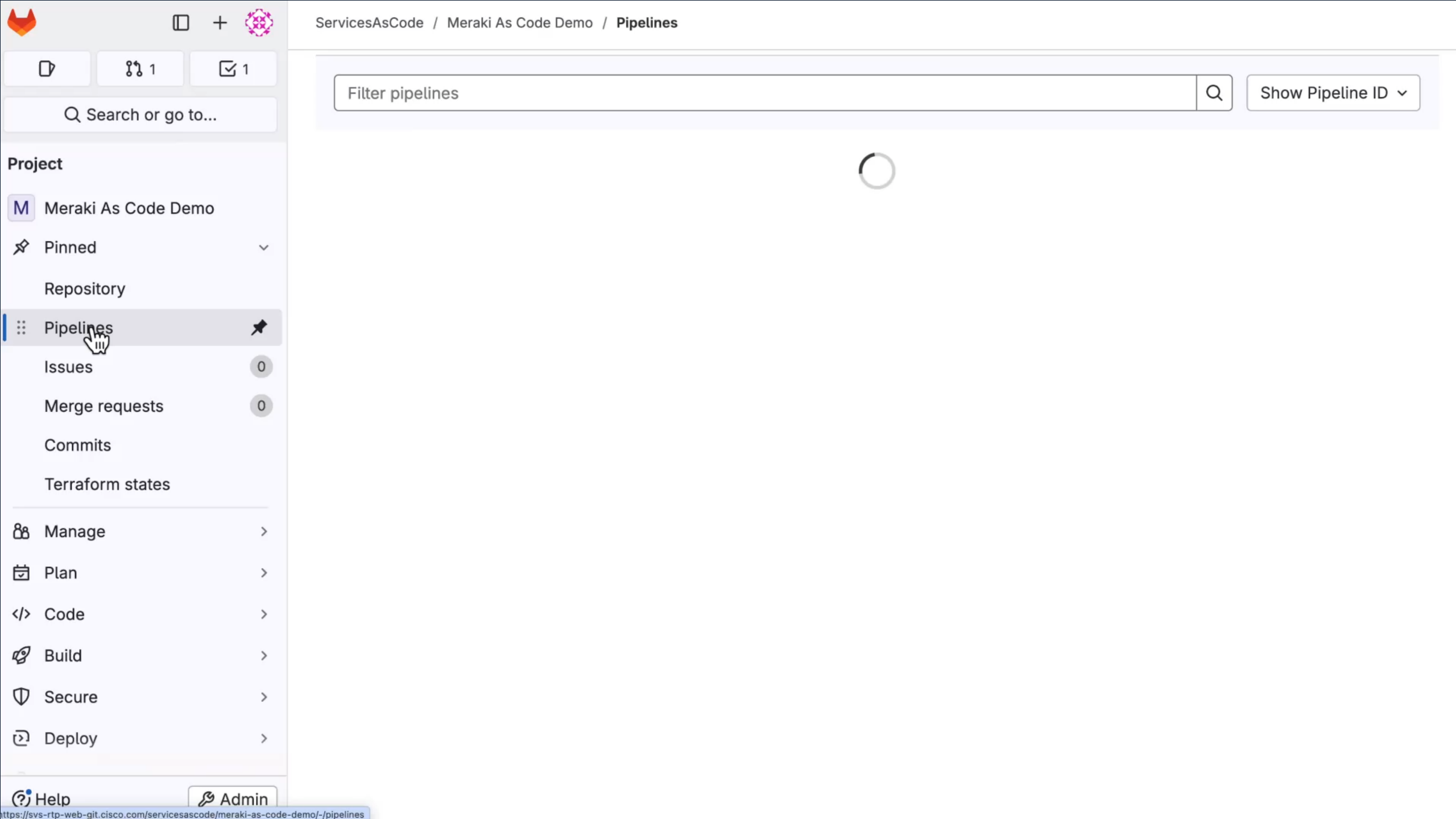
ServicesAsCode / Meraki As Code Demo / Pipelines
1
1
Search or go to...
Project
Meraki As Code Demo
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Repository
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Code
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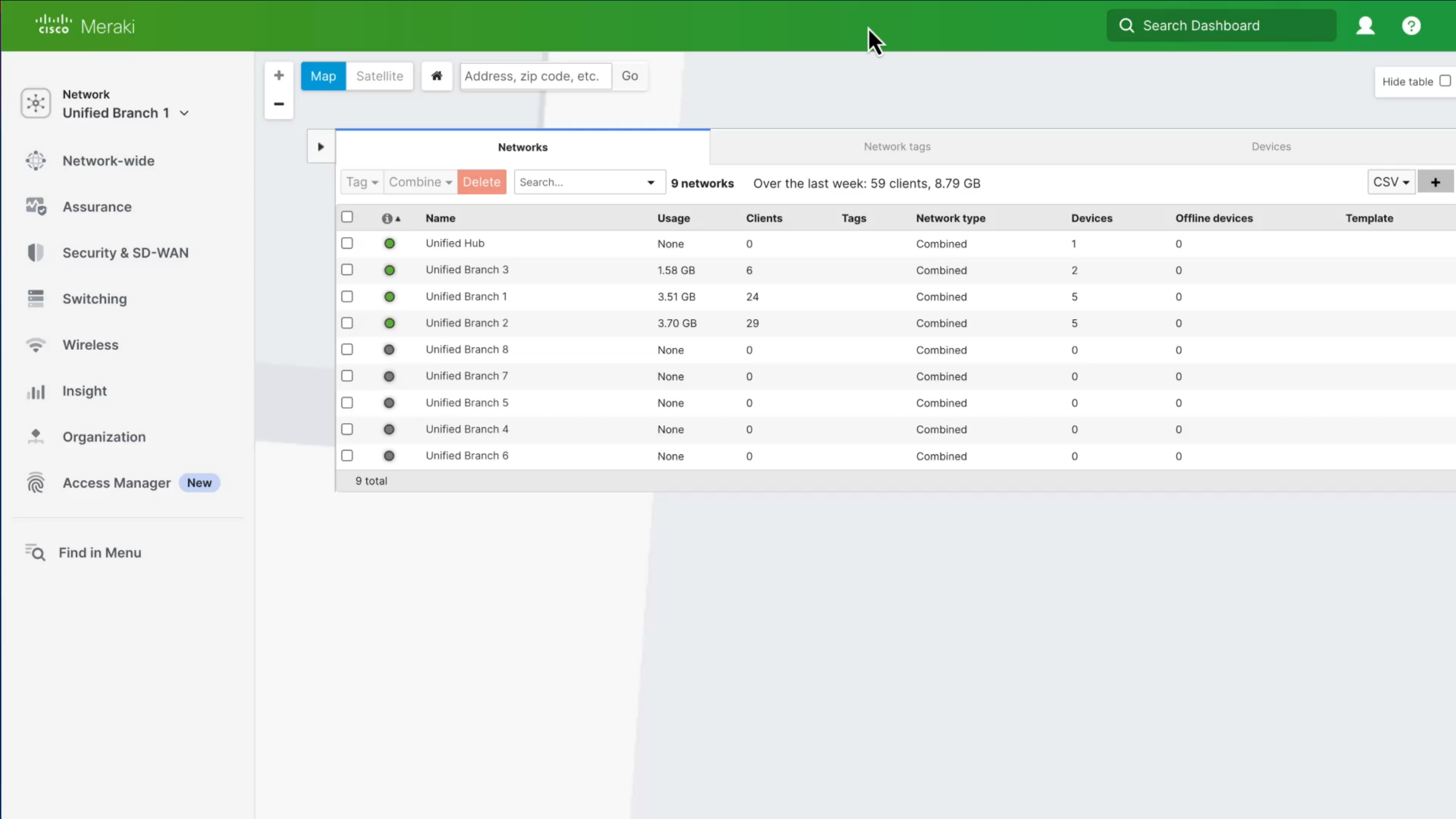
Secure
Deploy
Help
Admin
Filter pipelines
Show Pipeline ID


Meraki
Search Dashboard
Network
Unified Branch 1
Network-wide
Assurance
Security & SD-WAN
Switching
Wireless
Insight
Organization
Access Manager
New
Find in Menu
Map
Satellite
Address, zip code, etc.
Go
Hide table
Networks
Network tags
Devices
Tag
Combine
Delete
Search...
9 networks
Over the last week: 59 clients, 8.79 GB
CSV
Name
Usage
Clients
Tags
Network type
Devices
Offline devices
Template
Unified Hub None 0 Combined 1 0
Unified Branch 3 1.58 GB 6 Combined 2 0
Unified Branch 1 3.51 GB 24 Combined 5 0
Unified Branch 2 3.70 GB 29 Combined 5 0
Unified Branch 8 None 0 Combined 0 0
Unified Branch 7 None 0 Combined 0 0
Unified Branch 5 None 0 Combined 0 0
Unified Branch 4 None 0 Combined 0 0
Unified Branch 6 None 0 Combined 0 0
9 total

Scalable devices ready for AI

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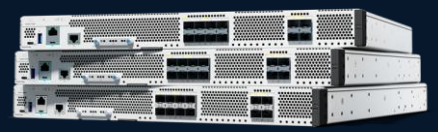
Secure WAN portfolio

TODAY

Catalyst 8000



Continued investment in IOS-XE and Catalyst Routing

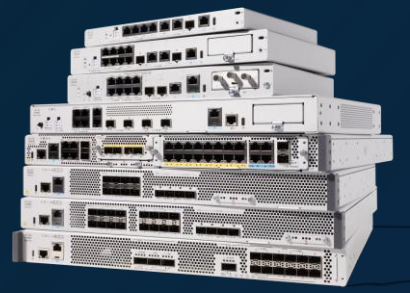
TODAY

MX

Continued investment in MX-OS and MX

NEW

8000 Series Secure Router



Taking the best of Catalyst 8000 & MX into a **converged portfolio**

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INTRODUCING

Security performance to protect users and branches

Cisco 8000 Secure Routers

AVAILABLE NOW

- 3x more throughput
- 98.8% security efficacy
- 3x IPsec acceleration
- 40% less power consumption

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Cisco 8000 Series Secure Routers for every size location

Small Branch: 8100

4 Variants

IPsec:
Up to 1.5 Gbps

SD-WAN:
Up to 1 Gbps

Threat Protection:
Up to 1 Gbps

Medium Branch: 8200

4 Variants

IPsec:
Up to 5 Gbps

SD-WAN:
Up to 4 Gbps

Threat Protection:
Up to 2.5 Gbps

Large Branch: 8300

2 Variants

IPsec:
Up to 20 Gbps

SD-WAN:
Up to 15 Gbps

Threat Protection:
Up to 7 Gbps

Campus: 8400

3 Variants

IPsec:
Up to 45 Gbps

SD-WAN:
Up to 23 Gbps

Threat Protection:
Up to 11 Gbps

Data Center: 8500

2 Variants

IPSec:
Up to 45 Gbps

SD-WAN:
Up to 23 Gbps

Route Scale up to 8M

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Announcing

Cisco Secure Router 8455-G2-MX

Network Concentrator

- Handoff of VPN Transport within Data Centre Infrastructure

Next-Gen Edge Router & Firewall

- Routing at scale
- Next Generation Firewall services at the edge

SD-WAN & VPN Transport

- Application awareness
- Routing at scale
- Next Generation Firewall services at the edge

AVAILABLE NOW

8455-G2-MX

Maximum NGFW Throughput	20 Gbps
Flow Table Capacity	2,000,000
Recommended Clients	15,000
Recommended AutoVPN Peers	5,000
Recommended Route Table Capacities	BGP – 50,000 Static / Dashboard – 10,000

2x more throughput

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Deliver exceptional branch experiences

- Smart Wi-Fi 7 access points and cloud-managed switches
- Sustainable and energy efficient designs
- Make every space smarter

Cisco Wireless Wi-Fi 7

Cloud-managed Switching

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Security fused into the network

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Security fused into the network

Securing application access for users, things, agents over the WAN

Protecting user access and application interactions

Authorization & Scalable Segmentation - Identity services engine (ISE), Software defined access (SDA) and Scalable group tags (SGT), NGFW

UZTNA/SASE - Continuous identity, posture and risk assessment across every session

Securing network connectivity

Safeguarding and optimizing network connections

Quantum-resistant: MACsec, IPsec, WAN MACsec

Securing the device

Protecting and ensuring compliance of devices

Quantum-resistant secure boot

Compensating controls

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Cisco’s Universal ZTNA

Secure SD-WAN + Security Service Edge + Trusted Identity Edge

SINGLE VENDOR SASE

End-to-end Assurance with ThousandEyes

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Wayne Bonnet

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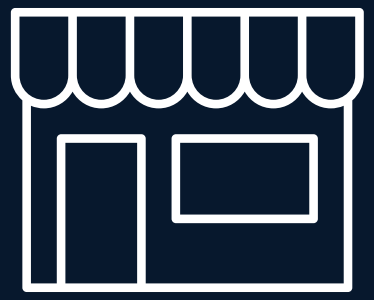
Let’s talk next steps



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Read my blog on Unified Branch

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Thank you

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