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The bridge to possible

Protect Endpoints on the Zero Trust Journey with Meraki Systems Manager

Adrian Kok
Kevin Carter

BRKMER-1005



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Cisco Webex App

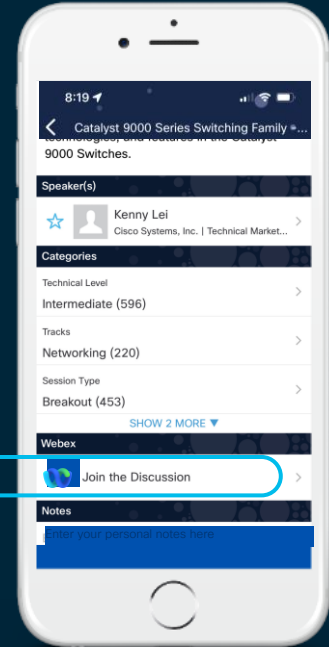
Questions?

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 June 17, 2022.



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Agenda

What is Zero Trust?

Trust the Endpoint and User

Secure the Endpoint

Enable the Network

What is Zero Trust?

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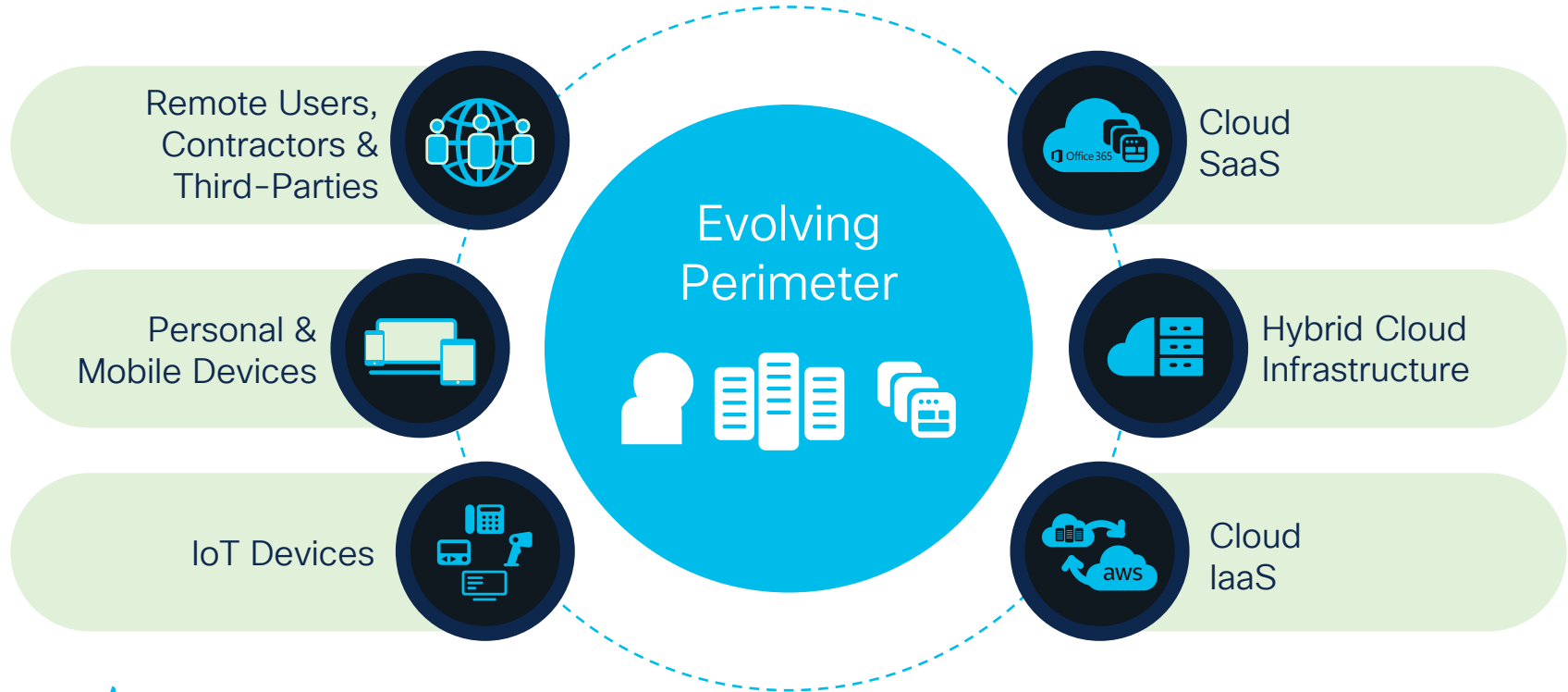


The way we do business has changed



Shift in IT Landscape

Users, devices, and apps are everywhere



Security Challenges

Increased attack surface, deficient access control and gap in threat protection



IT Challenges

Increased diversity in access and gaps in visibility



What is Zero Trust?

What's Different in a Zero-Trust Approach

The Traditional Approach

Trust is based on the network location that an access request is coming from



Once attackers are in, they can move laterally within a network to get to the crown jewels



Doesn't extend security to the new perimeter of cloud, mobile and hybrid environment



The Zero Trust Approach

Trust is established for every access request, regardless of where the request is coming from



Secures access across your applications and network.



Extends trust to support a modern enterprise with BYOD, cloud apps, hybrid environments & more

Securing the Enterprise

How do you establish trust at the point of access?

Workforce

User and
device access



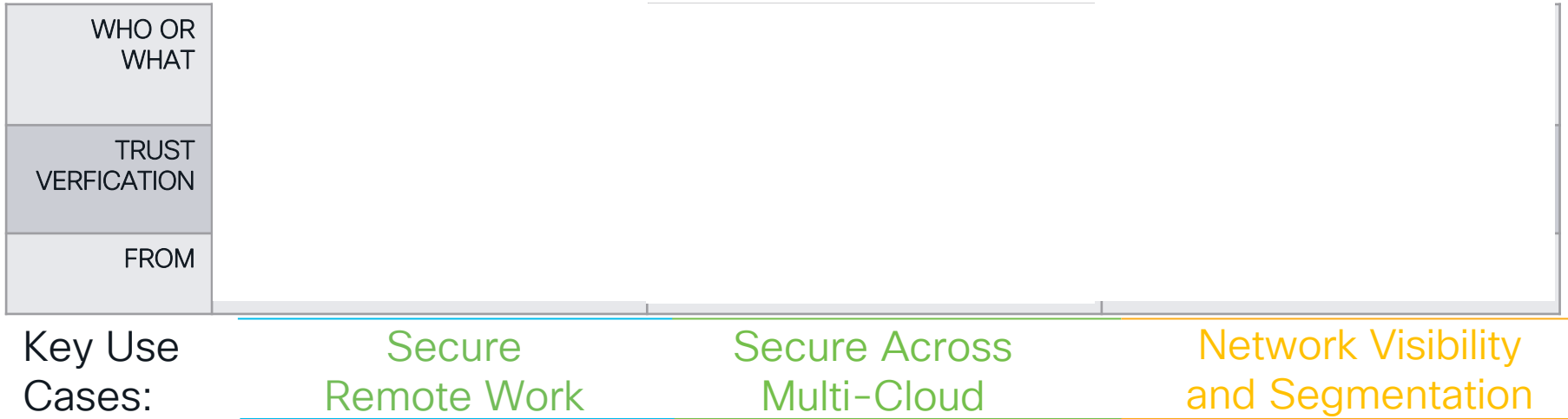
Workload

Application and
workload access



Workplace

Network
access



Foundation for Zero Trust: MDM

Trust and Secure Endpoints and Users with Secure Network Access

Workforce

User and
device access



Workplace

Network
access



Trust
Endpoint + User



Secure
Endpoint



Enable
Network

with Systems Manager

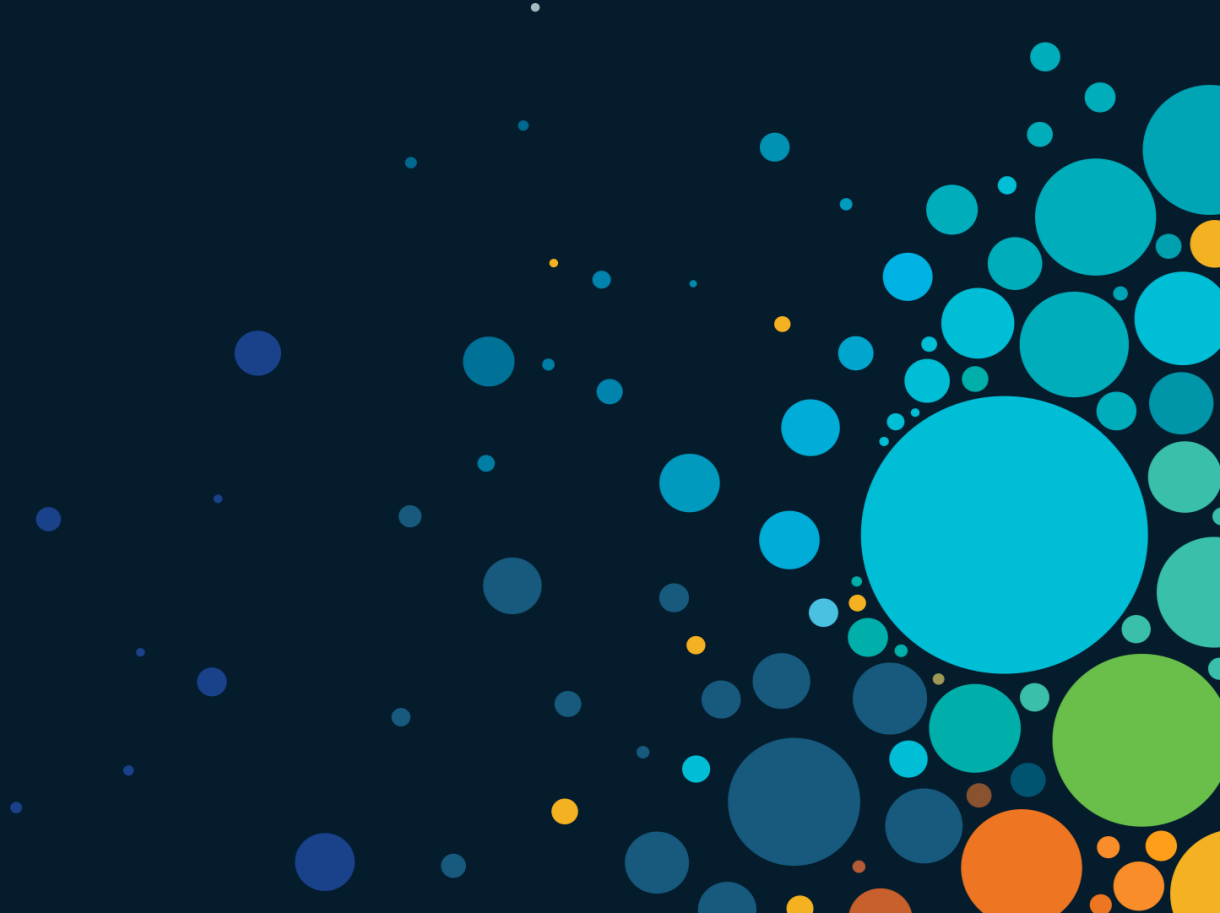
What is Device / Endpoint Management?

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Trust the Endpoint



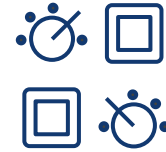
Endpoint Trust: Secure Devices Intelligently



Seamless provisioning
and enrollment



Dynamic policy
adjustment



Enforce/prevent
OS & app updates



Enforce Data
encryption

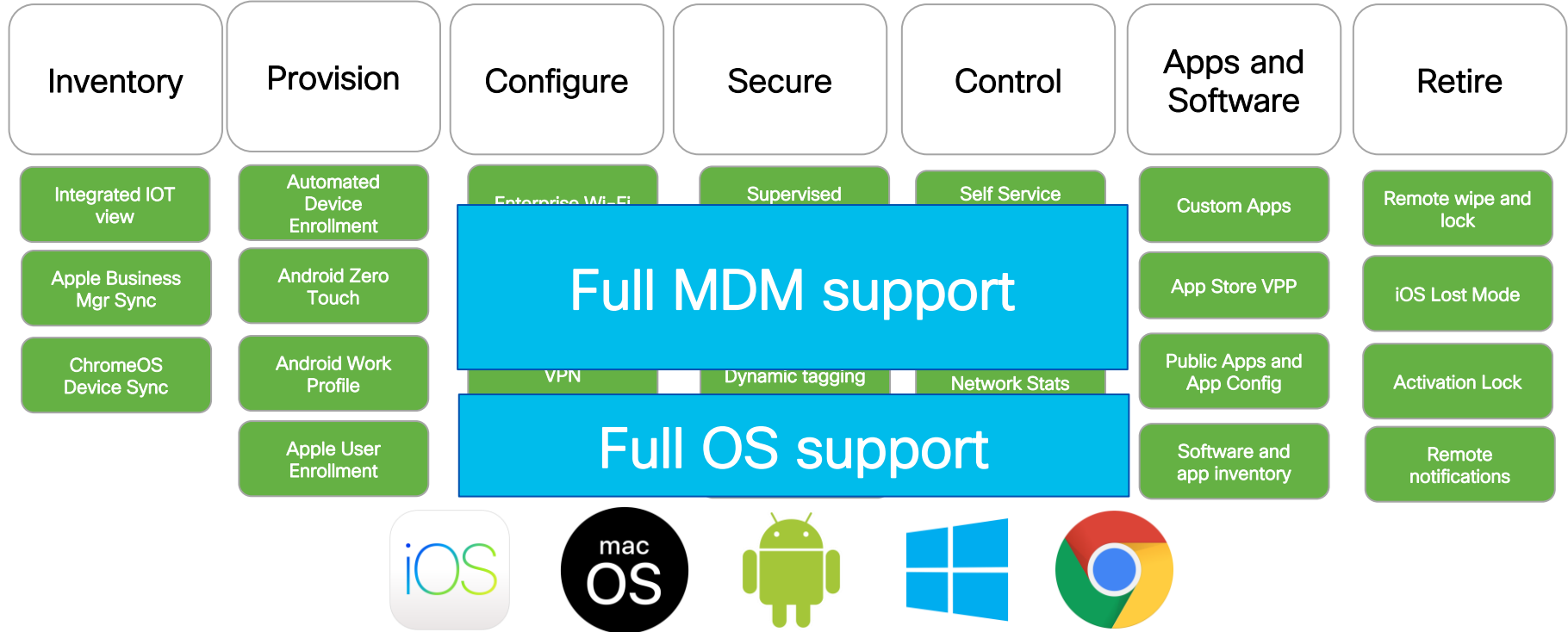


Full remote
control



Automatic quarantine &
remediation

Endpoint Trust: with MDM



Bridge cloud and network security

DEPLOY & CONFIGURE CISCO SECURITY



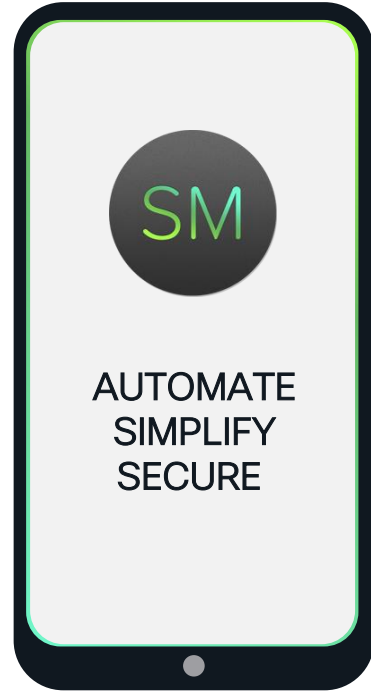
Trusted
endpoint



Device
posture



Deploy &
secure



ZERO TRUST NETWORK ACCESS

Sentry Wi-Fi &
Trusted Access



Sentry VPN

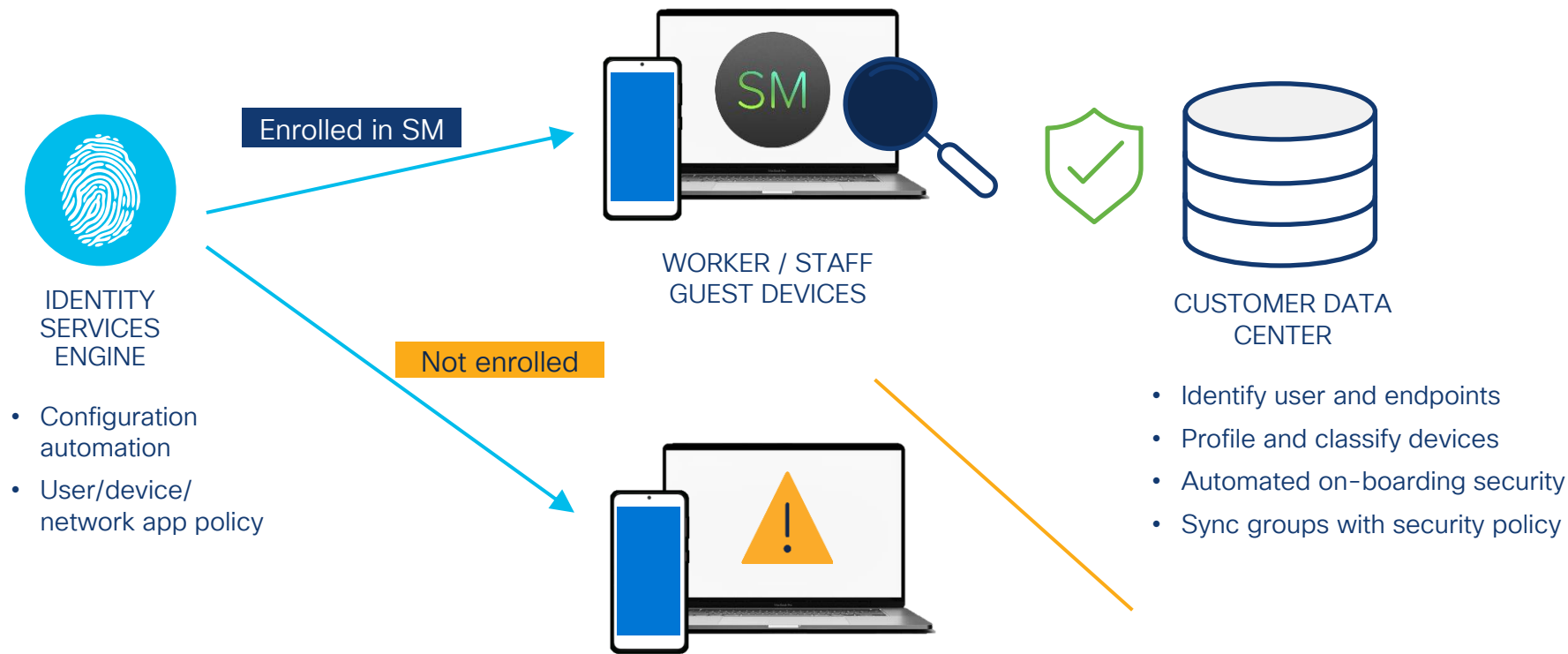


Sentry Policies

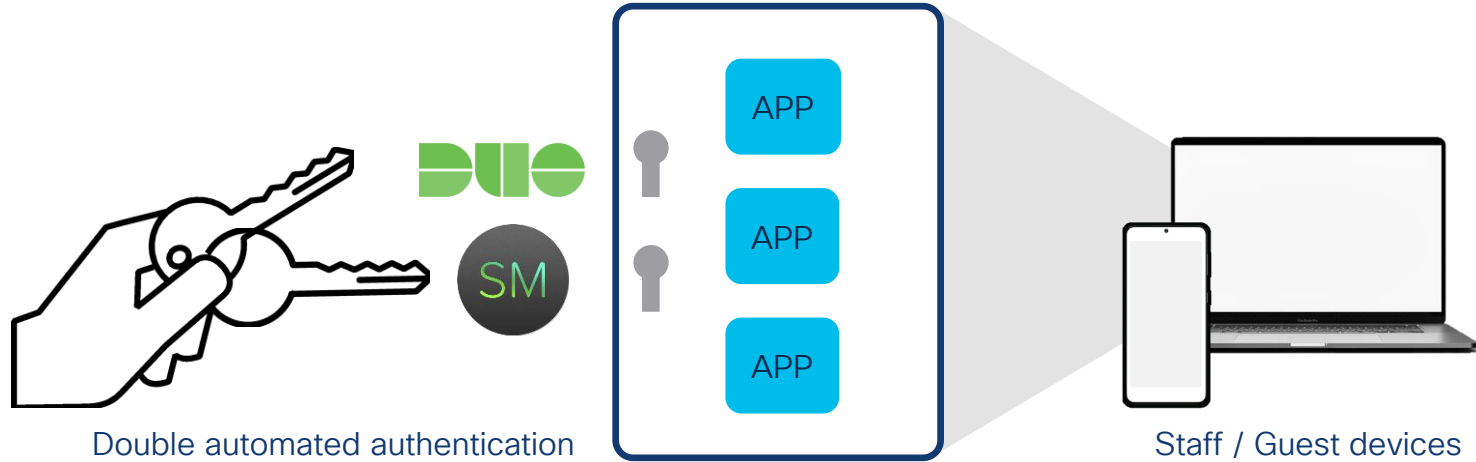


Trust the User

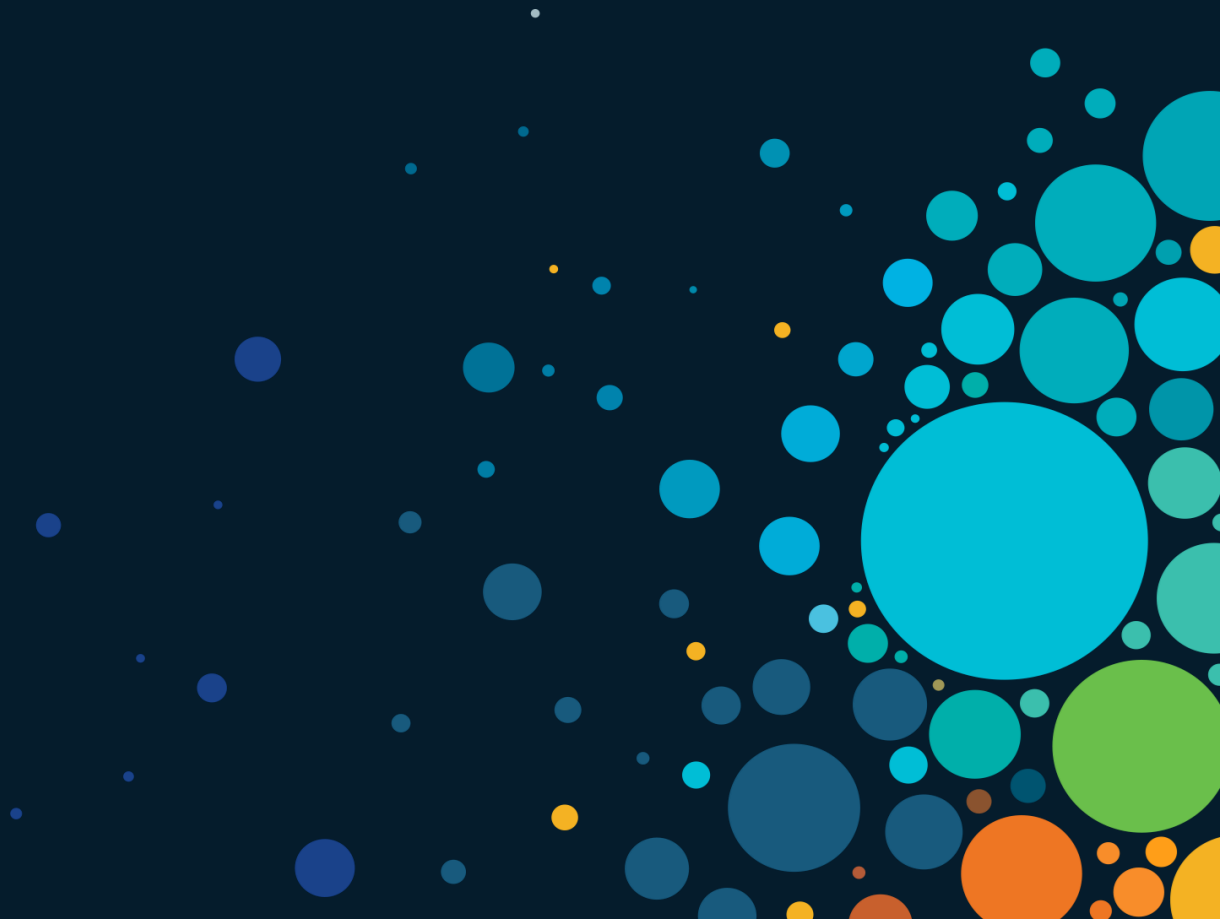
Connect device to identity with ISE



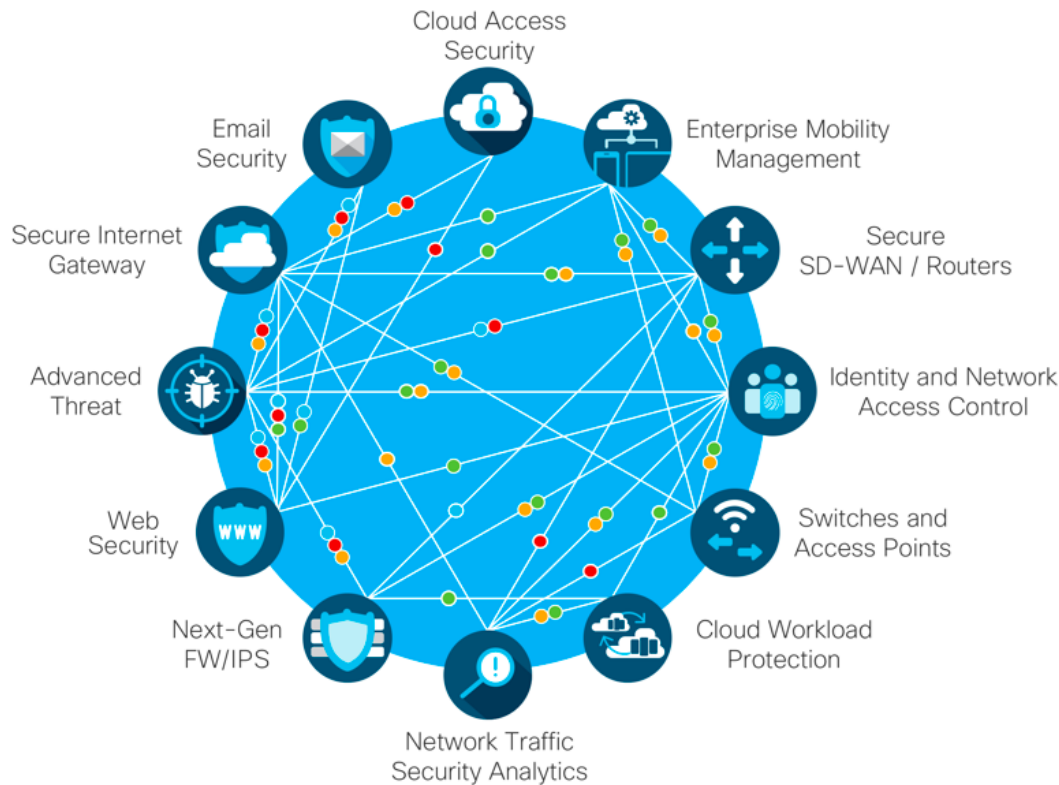
Two-step authentication with Duo



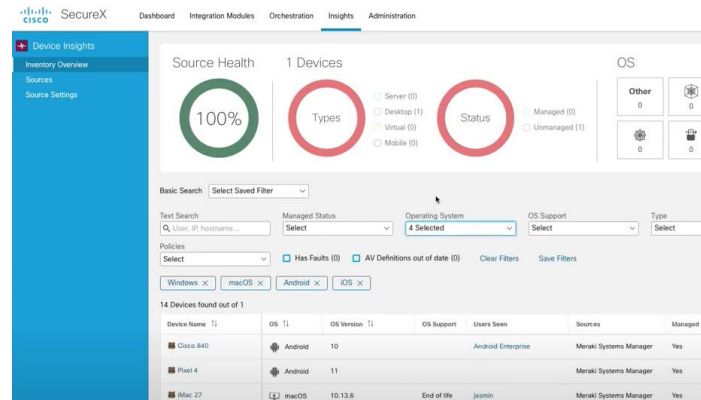
Secure the Endpoint



Integrated Threat Defense with Cisco SecureX

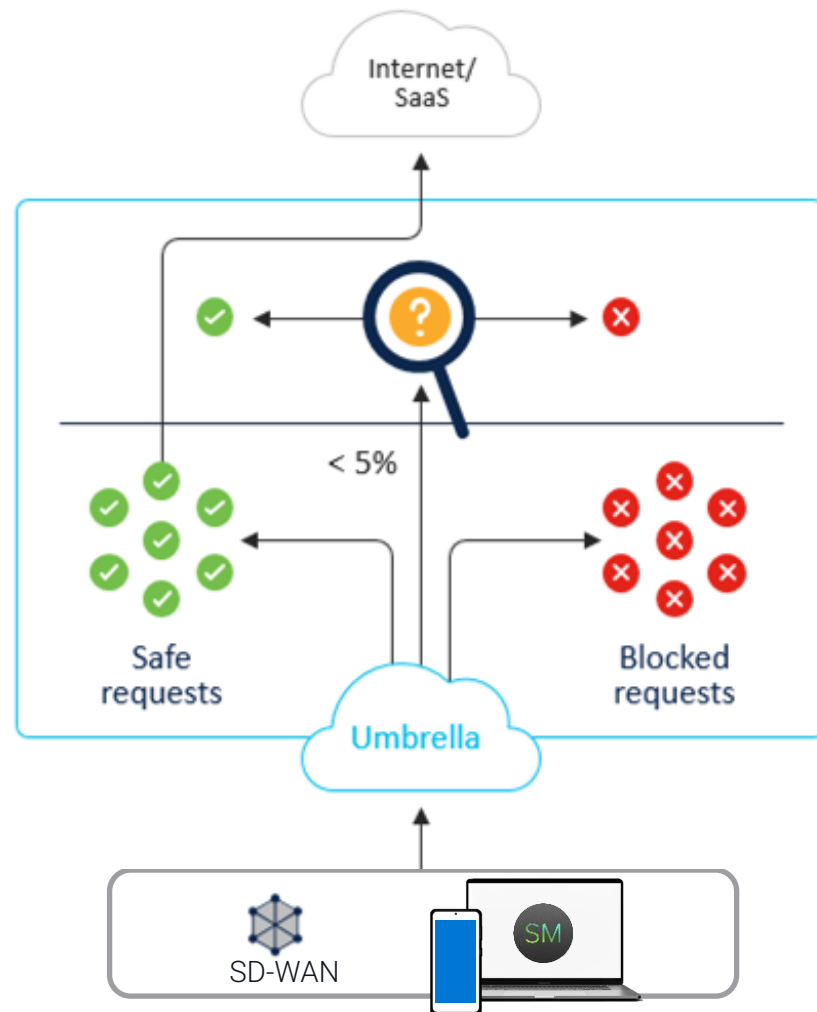


SecureX Device Insights, customers get a **Single console view** for endpoints across Meraki Systems Manager, Umbrella, Duo, Orbital and Secure Endpoint and custom sources.



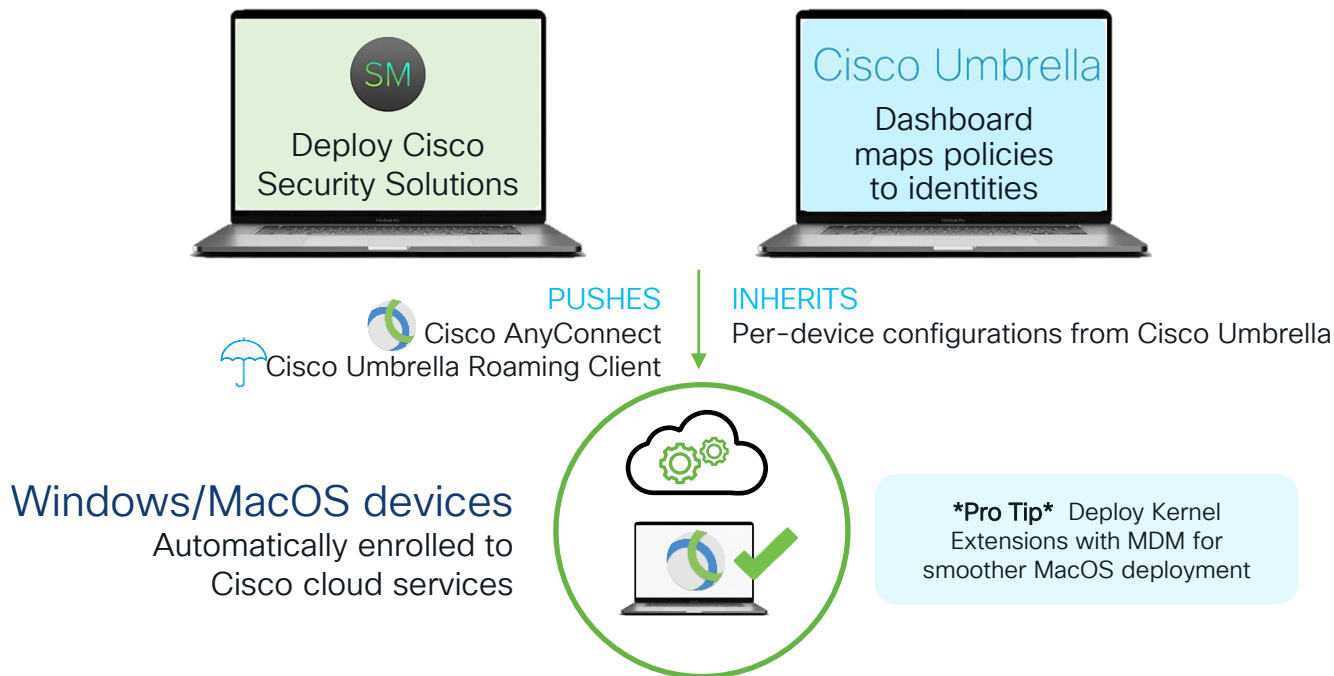
First line of defense against internet attacks with Umbrella

- All office locations
- Any device on or off your network
- Every port and protocol



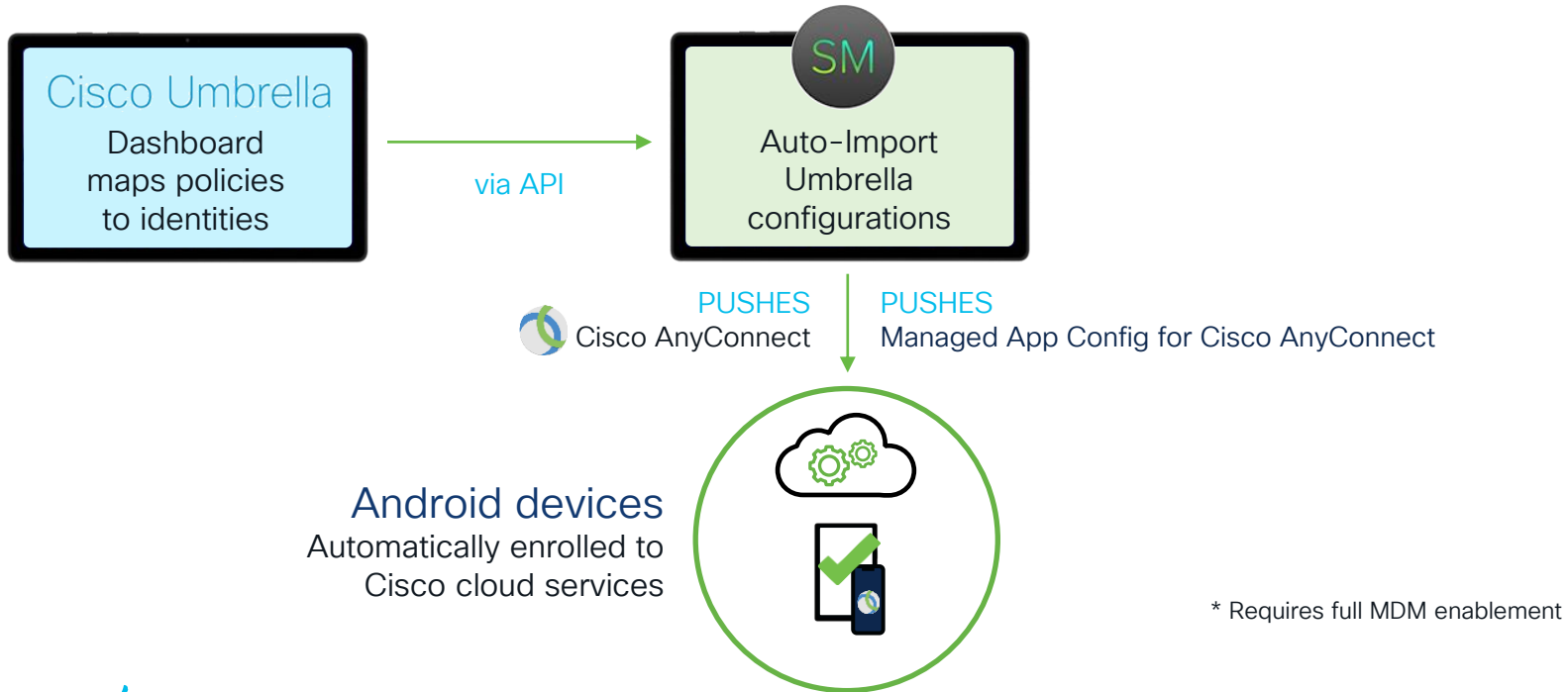
Umbrella Integration with SM on Windows/MacOS

Automatically import configuration from Umbrella with Umbrella Roaming Client



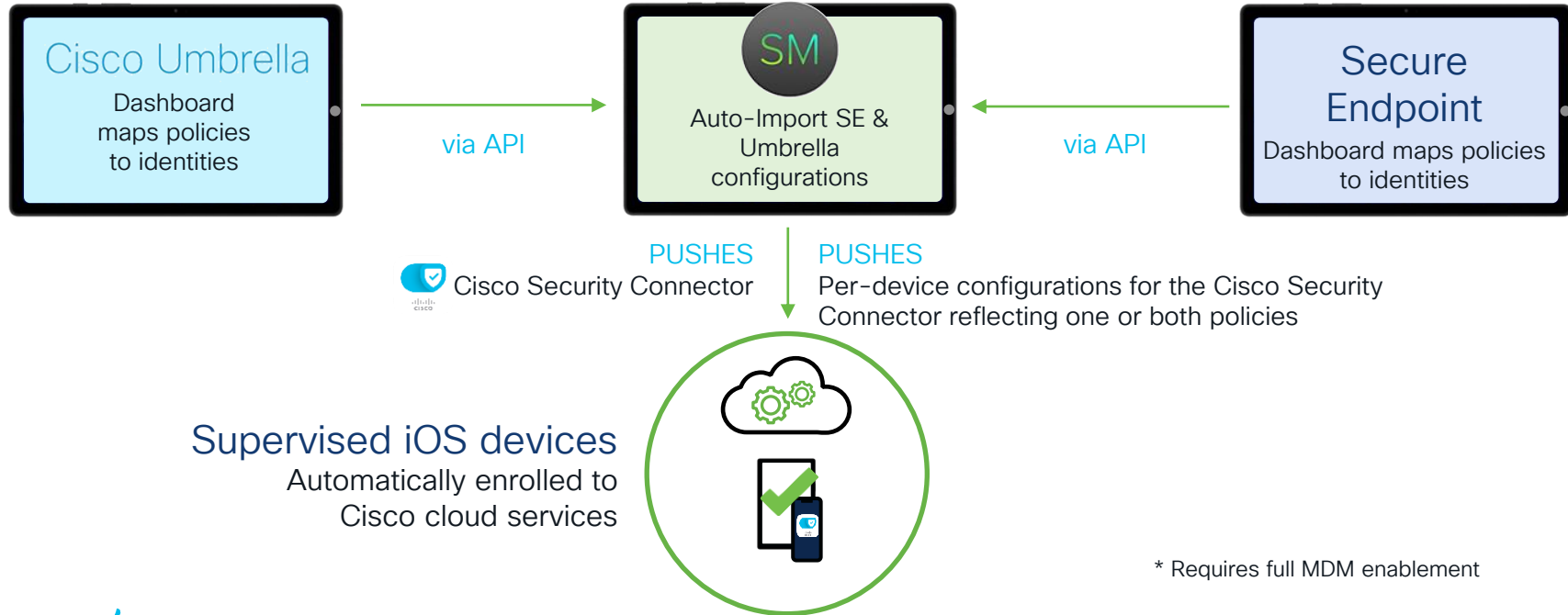
Umbrella Integration with SM on Android

Automatically import configuration from Umbrella with Cisco AnyConnect

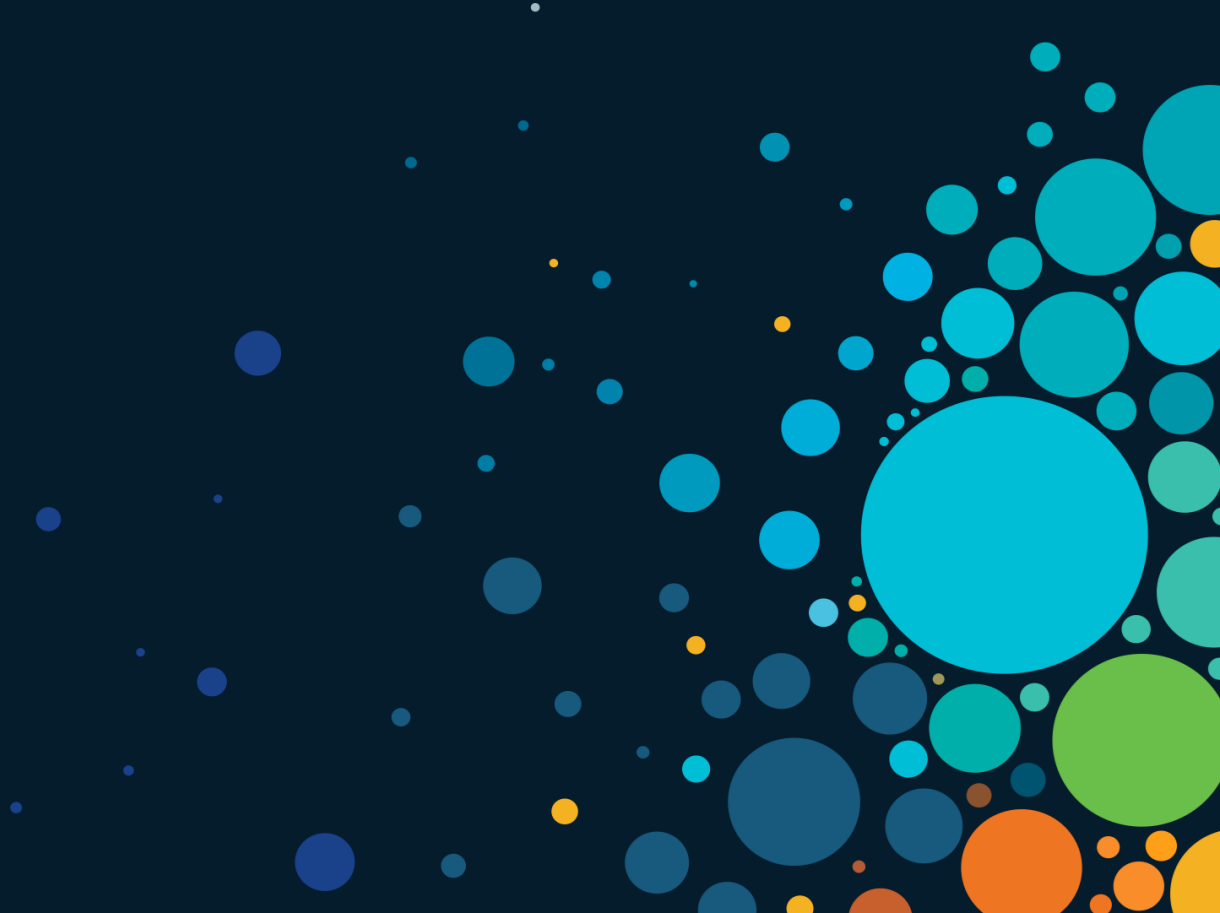


Umbrella Integration with SM on iOS/iPadOS

Automatically import configuration from Umbrella & Clarity with Cisco Security Connector



Enable the Network



Zero Trust Network Access with Meraki



SECURE Workforce

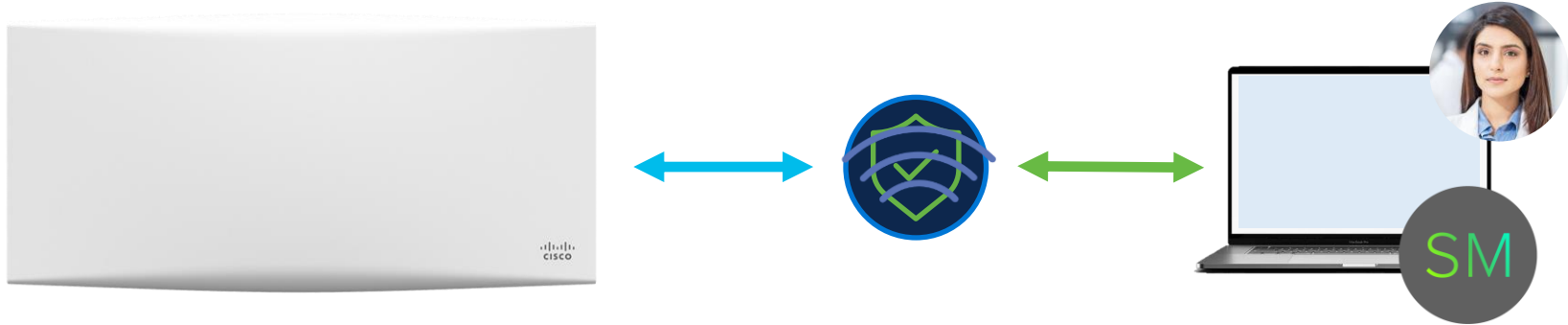
Trusted endpoints and
authorized users



AGILE Workplace

Seamless, secure
onboarding to the network

Sentry Wi-Fi with Meraki MR



Connect devices to corporate WIFI via secure auto-provisioned authentication

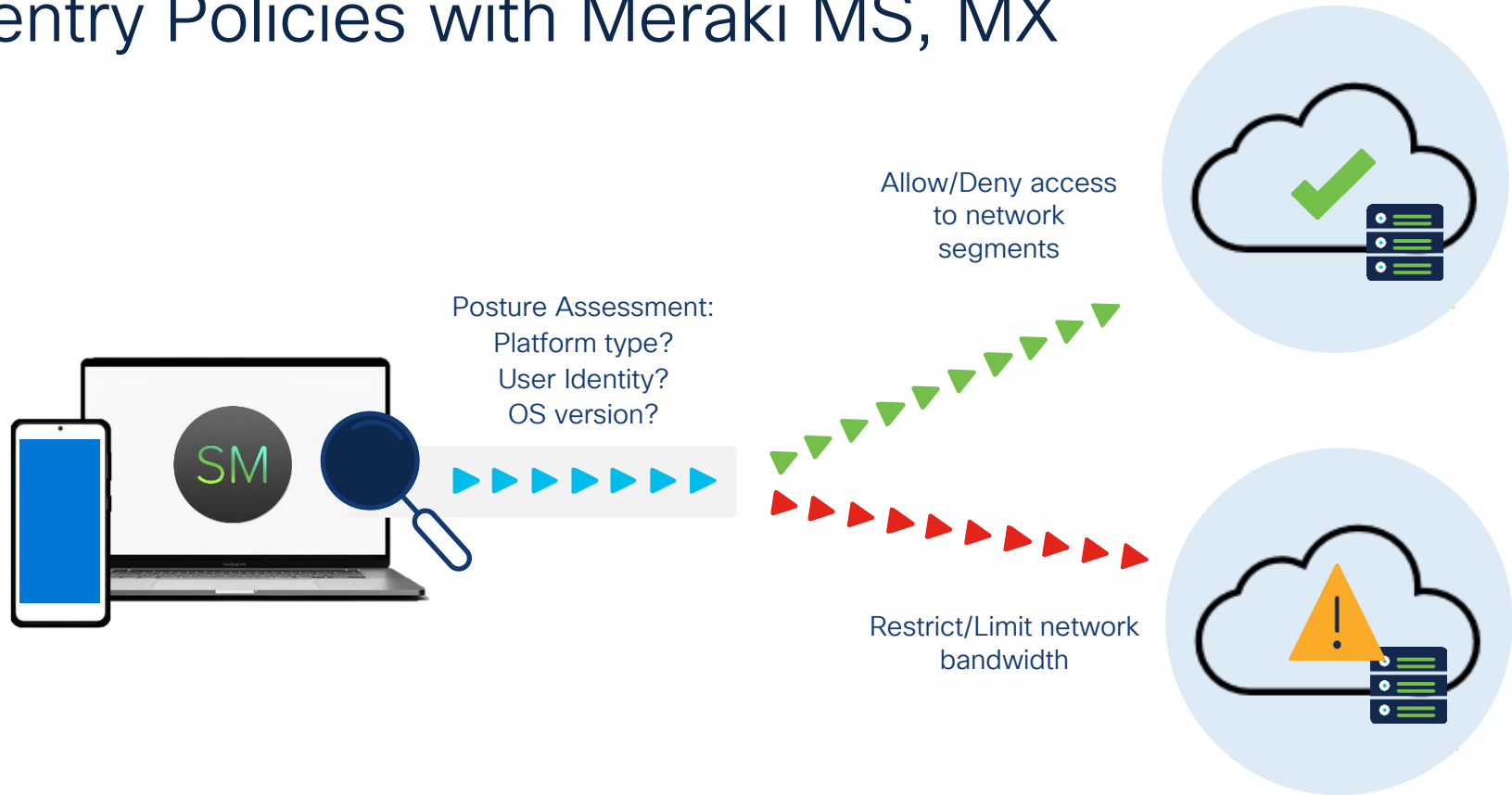
Clientless ZTNA

Trusted Access with Meraki MR



Enable personal devices to access critical resources
without requiring installation of an MDM

Sentry Policies with Meraki MS, MX



Foundation for Zero Trust: MDM

Trust and Secure Endpoints and Users with Secure Network Access

Workforce

User and
device access



Workplace

Network
access



Trust
Endpoint + User




Secure
Endpoint



Enable
Network

with Systems Manager



“... one of the key requirements of ZTA is the ability to identify and manage devices”

Zero Trust Architecture, NIST SP 800-207

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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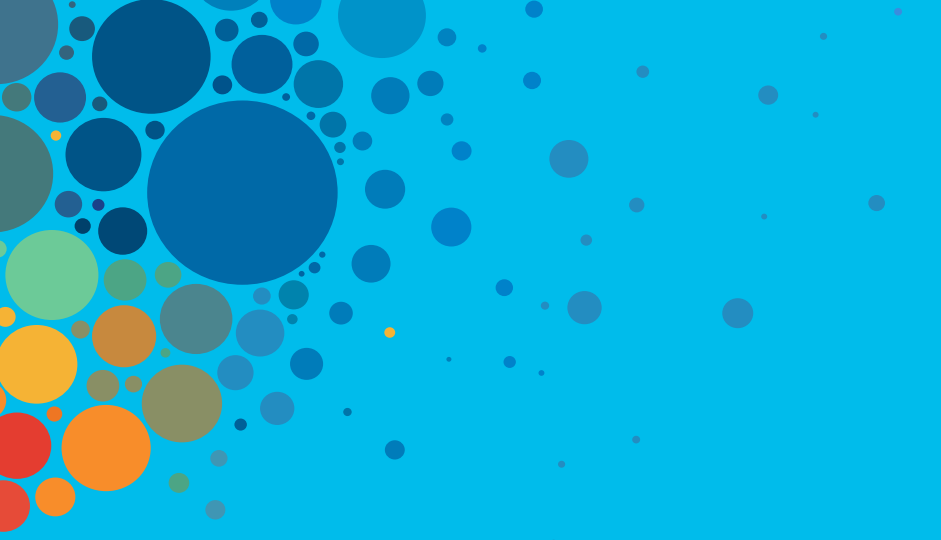
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The bridge to possible

Thank you

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