Cybersecurity in a Remote Work Era





Agenda

- 1 Introductions
- 2 IT and Security Landscape
- 3 Cisco Duo
- 4 Meraki
- 5 Evron Wrap-Up
- 6 Q&A Session

Presenters



Amit (Sunny) Sahni
Executive Vice President &
CTO at Evron



Trevor Darr

Business Development

Manager at Duo Security



Peter Fasano
Virtual Sales Specialist
at Cisco Meraki





Business anywhere



Safeguard your business



Grow efficiently



Connect with customers





Should you be worried about the biggest password leak in history?



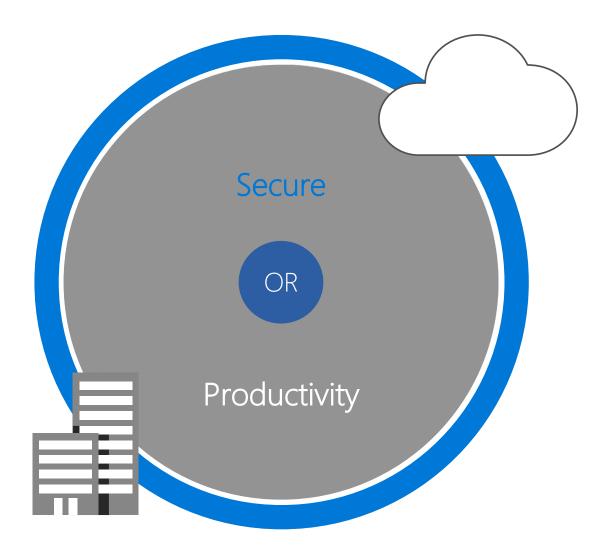
"A compilation of 8.4 billion words, phrases and previous password leaks was shared on a hacker forum...
RockYou2021."

Noney expert Kelley Keehn breaks down the largest password hack, rise of online scams and Canadians' growing onsumer debt = Jun 9, 2021





How do we enable productivity without compromising security?



It's a delicate balance

Duo Security

Trevor Darr, Duo BDM trdarr@cisco.com



Agenda

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Features and Benefits

Questions to Ask

Editions and Pricing

Resources

What is Multi Factor Authentication?



Answer:

Something you know



Something you have





Security Risks Persistwith Traditional MFA

Poorly deployed, cannot support all applications; exposing security gaps

No help for device vulnerabilities







Duo Overview



Duo Security Provides:

Secure access for all users connecting to any application from any device



Secure how someone or something is accessing work assets.

Employees

Contractors

Partners

Vendors

Auditors

Consultants

Customers

Temporary Workers

Phones

Laptops/Desktops (corporate)

Laptops/Desktops (personal)

Workstations

Virtual machines

Medical equipment

Point-of-sale systems

Scripts

Printers

Applications

Networks

VPNs

Portals

APIs

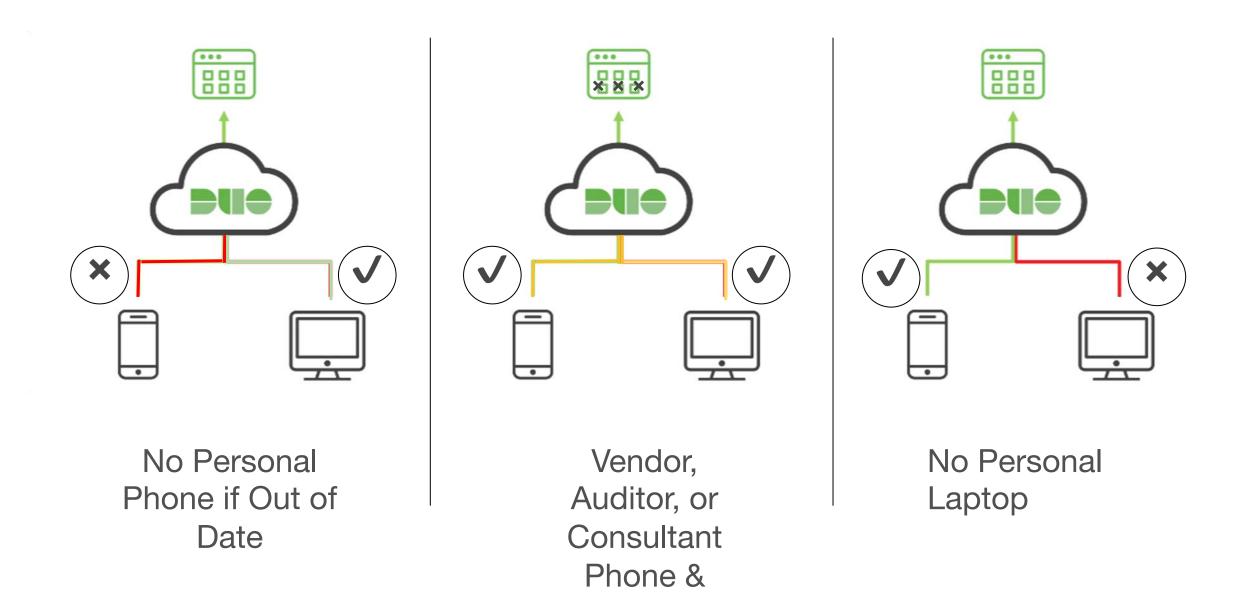
Servers

Databases

Micro-services



If you can't *Directly Manage* All Devices, Still *Verify* with Access Policies



Easiest and Most Secure MFA



Push

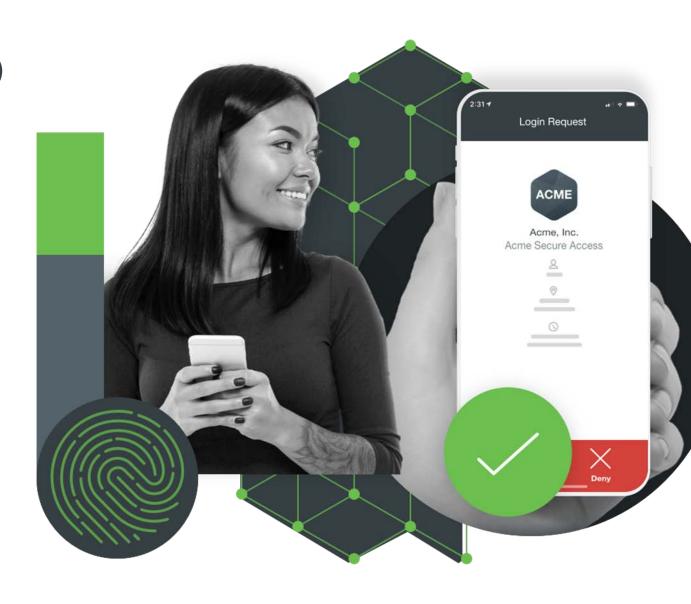


- One tap authentication, no codes to enter
- Several authentication options for end-users
- No shared secrets; Out-of-band authentication

Authentication methods for your end-users | Soft Token | SMS | Phone Call | U2F | Wearables | Biometrics | HW Tokens | HW Tok

Duo is the World's Easiest and Most Secure MFA

- One-tap Authentication (No Codes)
- Absurdly Quick to Deploy
- Simply User Enrollment
- Agnostic Partnerships
- Named Integrations & generic protocols
- Consistent User Experience
- Easy to Manage
- Customizable Policy Control
- Unlimited Applications & Policies
- High NPS Score

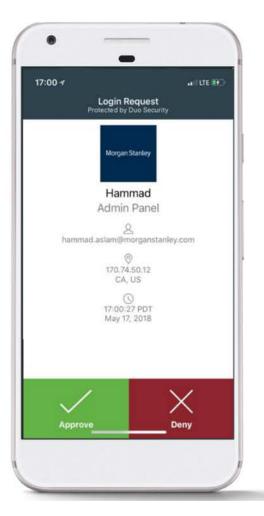


Easy to Use & Deploy

Easy to Onboard and Deploy



Automated and Extensible



Reduce Security Burden of IT



"The industry needs to change the way it looks at security. We need to make the process simpler, smarter and more secure. Period."

- Jon Oberheide, CTO & Co-Founder

Loved by users AND security staff



Top 3 Reasons Customers Choose Duo

Easy

- Deploy in hours
- Least friction for end users
- No change in login workflows
- Out-of-the-box integrations
- Several ease-of-use innovations
- High design values in the product

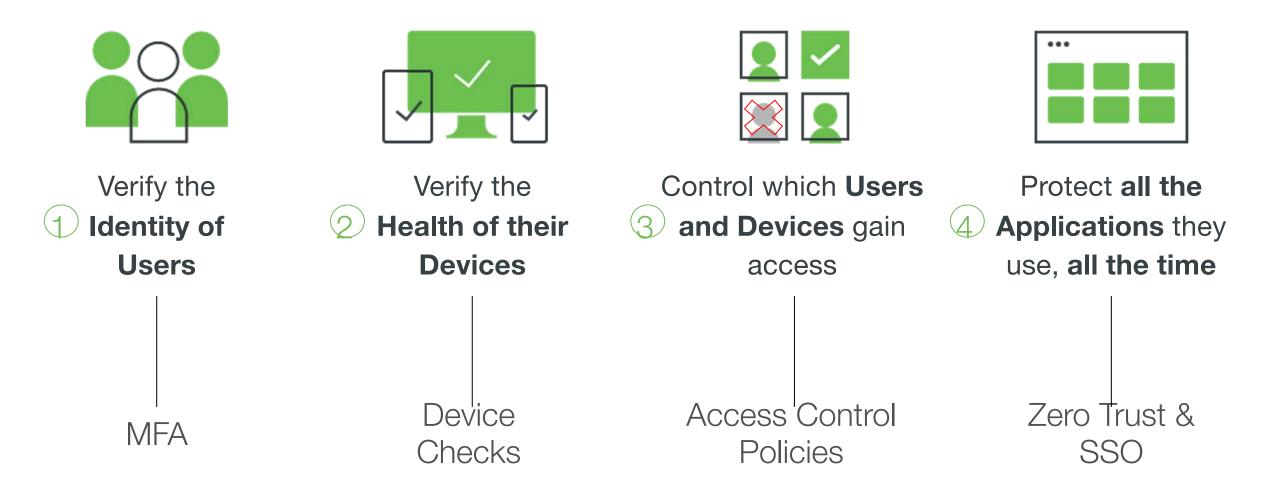
More Secure

- Truly isolated solution
- Truly out-of-band (OOB)
- No shared secrets
- Automated product updates
- Security standards (NIST, SOC2)
- Fraud alerts from end users

Lower TCO

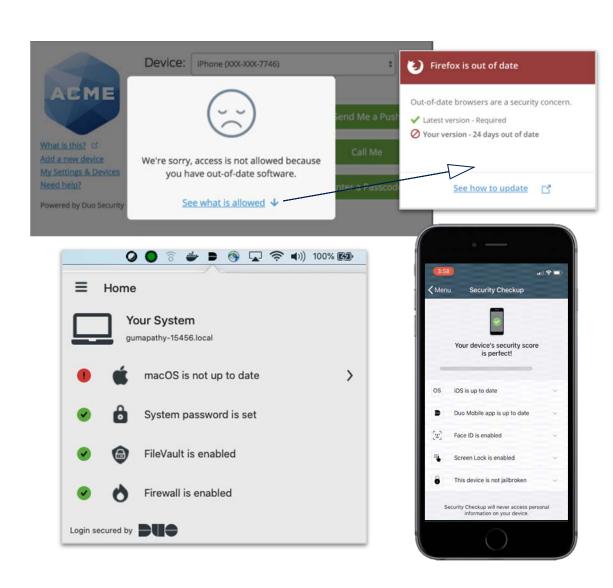
- No servers to deploy and maintain
- Up to 85% lower help desk calls
- No upgrade/patching costs
- No maintenance cost
- Unlimited integrations with apps
- Truly isolated solution

Here's What We Do ... And How We Do It



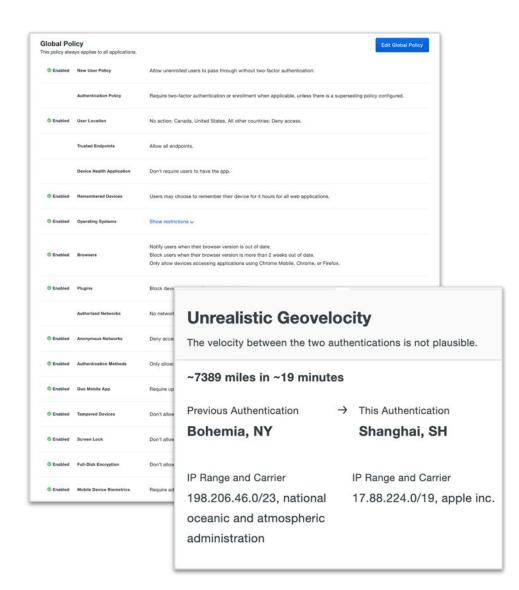
Verify the Health of their Devices - Device Checks

- Verify Device Health at every authentication attempt
- Check hygiene of all devices (main vs. second-factor device, BYOD vs. corporate, etc.)
- No "agent" required to deploy Duo, but we can integrate with your existing tools (e.g. MDM)



3 Control which Users and Devices gain access - Access Policies

- Apply layered policies to everyone, one user or application, or groups (e.g. department or office location)
- Blocking and/or Remediation prompts can be configured to your needs
- Ensure consistency across all users & devices at access, and monitor device health continuously via tools like AMP



4 Protect all the Applications they use, all the time - ZT & SSO



Duo MFA



- Protect application access with flexible two-factor authentication
- High-level summary of device hygiene
- Automate the management of your Duo solution through Admin API's
- Single Sign-On offering to provide seamless and secure access across on-prem and cloud applications
- Protect any application cloud or on-premise



Duo Line Access

- Complete visibility into devices accessing applications
- Evaluate both mobile and laptop security
 hygiene at the point of access
- Enforce access policy on who can access which applications under what conditions
- Encourage users to update their devices by enforcing access based on device hygiene
- Security analytics feature Trust Monitor that highlights anomalous and risky logins



Duo Sanda Beyond

- Detect if a device is managed or unmanaged
- Detect if a device has the proper antivirus or EDR software installed
- Evaluate if endpoint has been compromised before allowing access
- Enforce policies to allow only healthy, managed devices to access sensitive applications
- Enable secure, granular remote access to onpremise web applications and infrastructure



Duo MFA

Duo Access

Duo Beyond

| MFA | | |
|-------------------------|---|----------|
| SSO Cloud Apps | | |
| Adaptive Authentication | V | |
| Device Visibility | | |
| Device Remediation | | |
| Trusted Endpoints | | |
| VPN-less Remote Access | | ▼ |



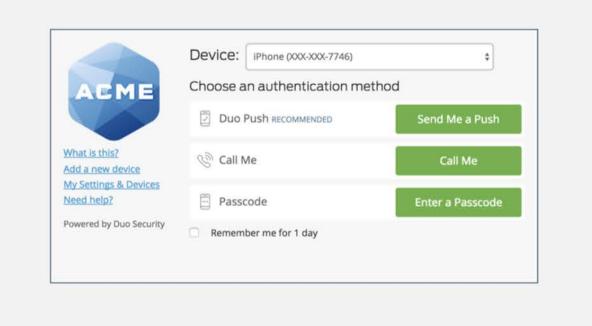


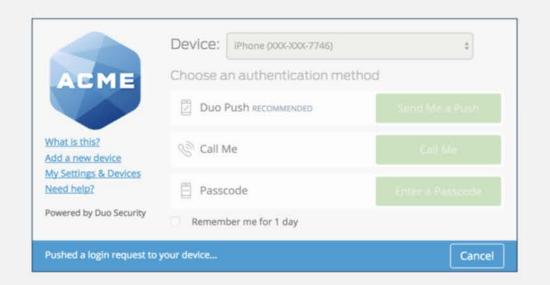
Emall: chris@acmecorp.com

Password:

•••••

→ sign in



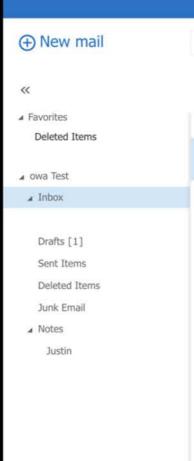












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INBOX
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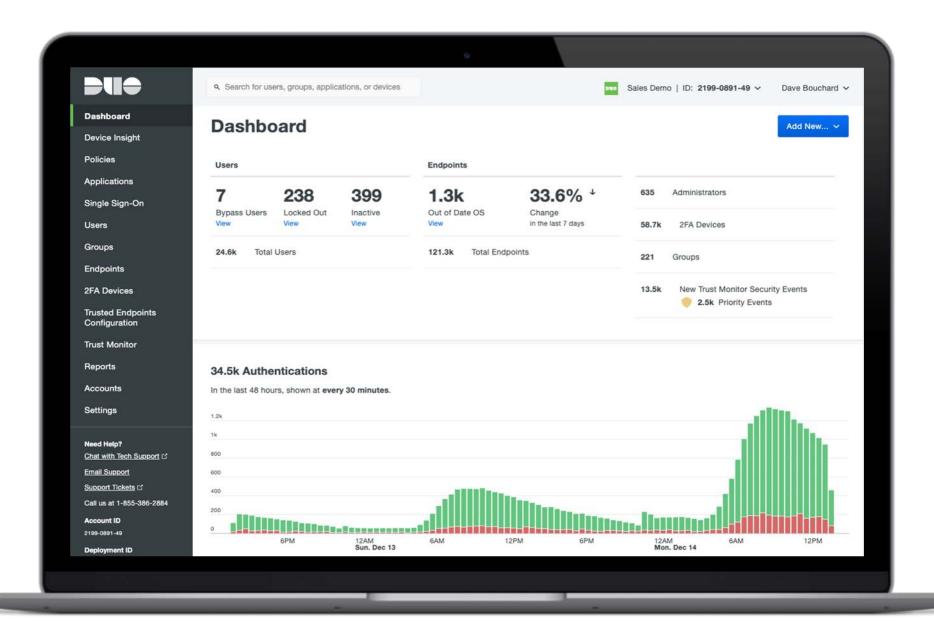
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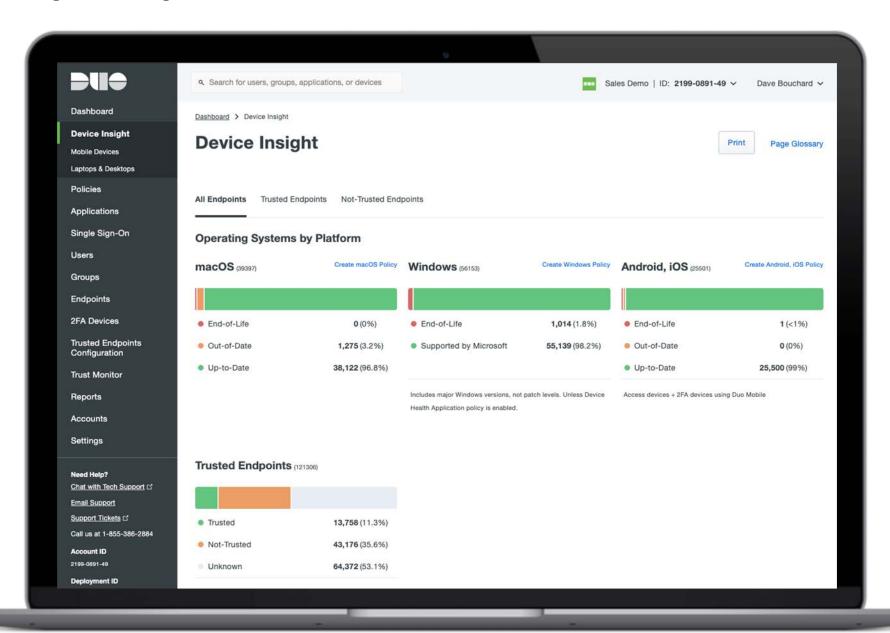
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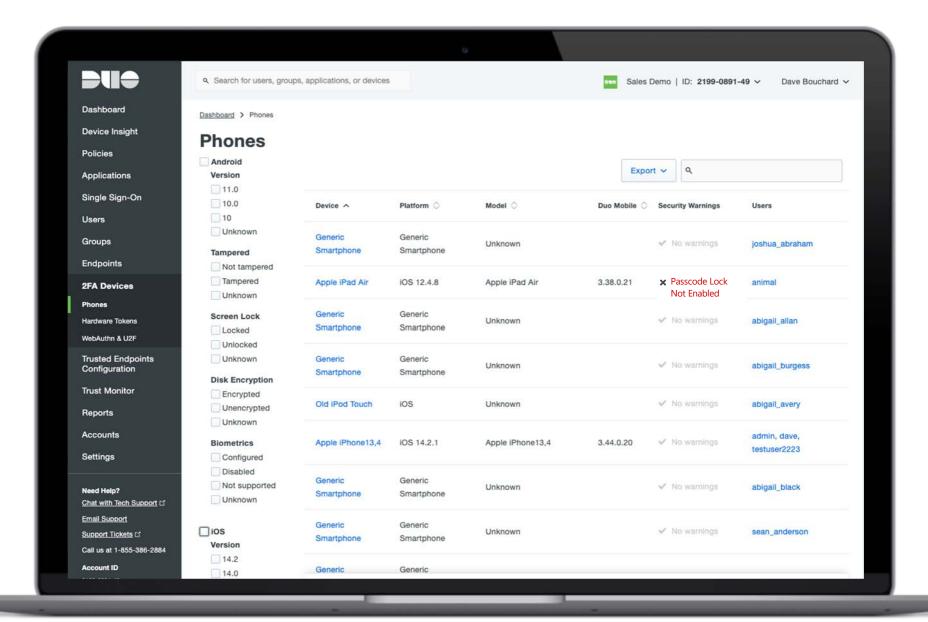
Admin Experience



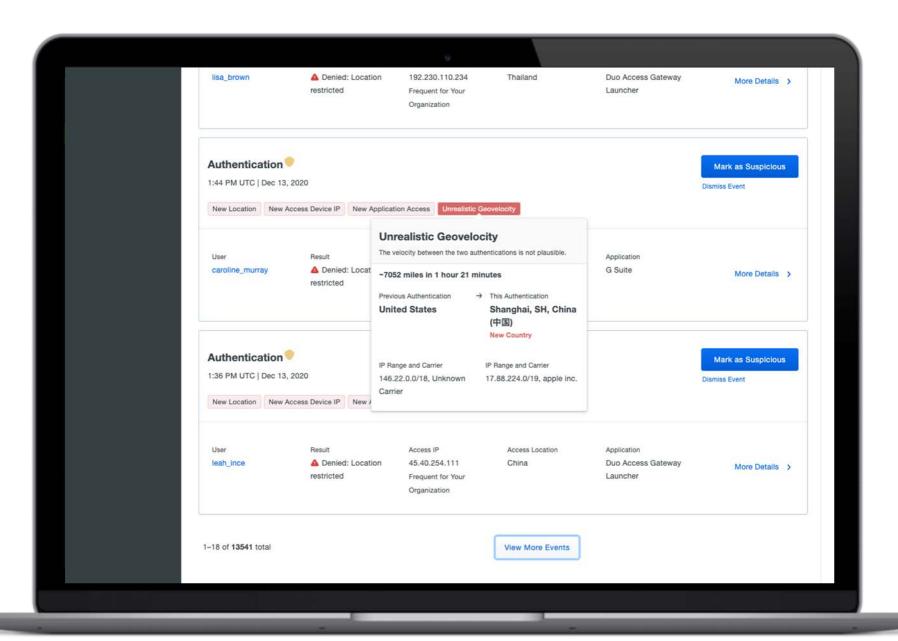




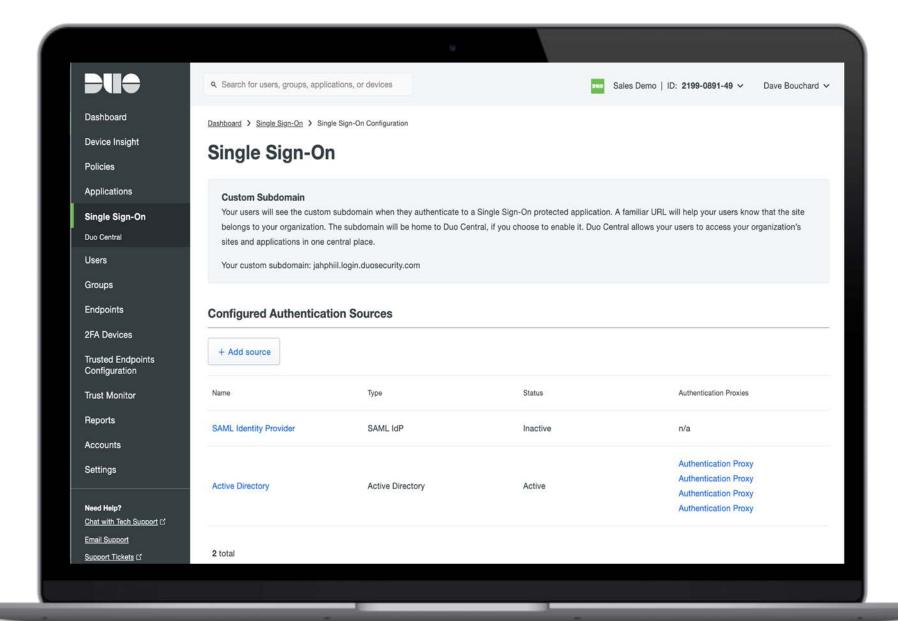
Granular Detail Across All Users













Additional Common Use Cases

Cisco AnyConnect VPN - lowest hanging fruit!

O365 - Best solution for securing MSFT O365 (Duo is a native integration)

Protecting SaaS solutions - Salesforce, Workday, Box, etc.

Securing VPN Connections - Cisco AnyConnect, PAN, Pulse Secure, etc.

Privileged Access to Infrastructure - Firewalls, Servers, etc.

Looking for easy multi-factor authentication

Audits & compliance



Key Driver: Meet Compliance Requirements

Every security best practices guide and regulation asks for MFA and device visibility

Meet MFA requirements outlined in PCI-DSS 3.2 Section 8.3

Helps meet NIST 800-63 and 800-171 access security requirements

Meet DFA's **FPCS** requirements when approving e-prescriptions



Aligned with GDPR data protection laws in Europe



Meet FFIFC requirements for financial applications

Get visibility into personal devices used to access PHI

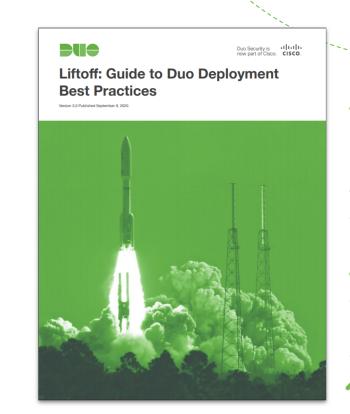








- Duo's documentation is free and public, with best practice documents and step-by-step guides (screenshots & video) for our integrations
- Our Standard Support staff is here for you
- Premium Support is also available
 - Main Support page
 - For Admins
 - Easy end-user demos
 - End-user guide





Topics

SMB trends & needs

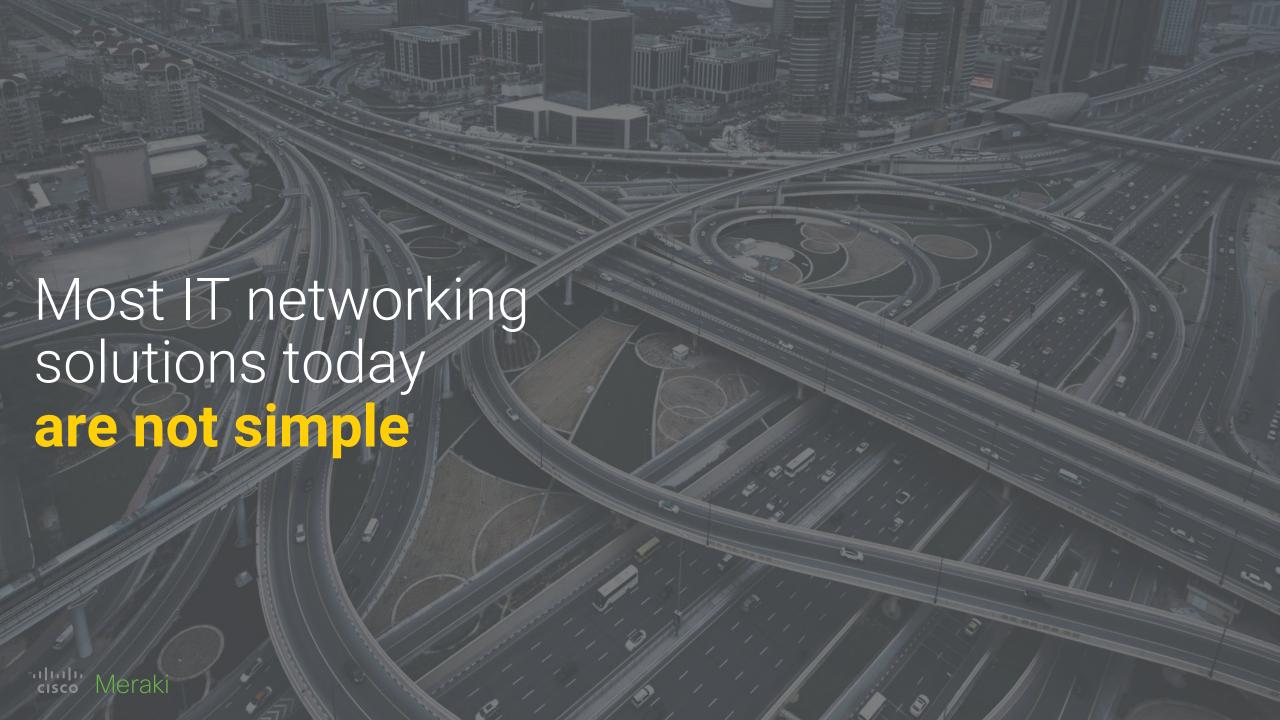
Building on the foundation of the **Meraki Platform**

Business resiliency solutions

Resources







To adapt and thrive, **resilient** businesses need **simple, secure, and intelligent** IT tools for:







SECURE EDGE

FUTURE OF WORK

SMART SPACES

And they need to access & manage their network from one place



Connecting **passionate people** to their mission by **simplifying** the digital workplace.

Thrive with the Meraki Platform



The World's Best Cloud Platform

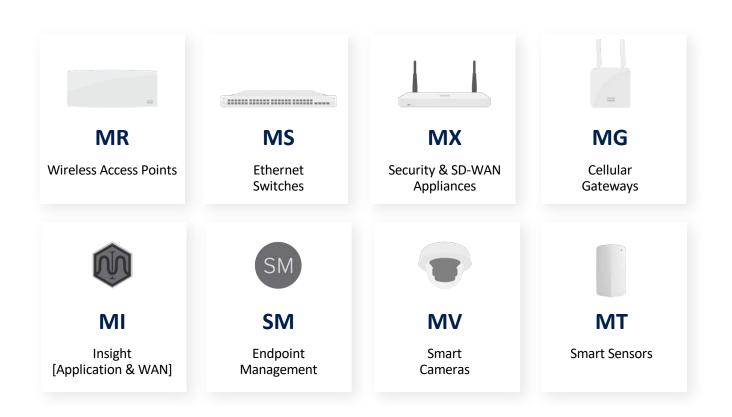


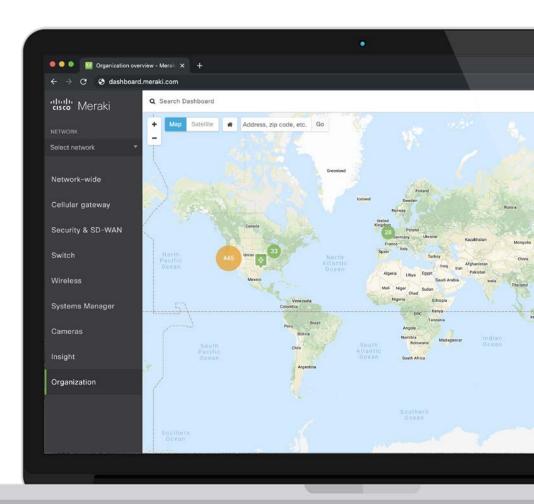




The Meraki Platform

A Complete Cloud-Managed IT Portfolio from a Single Pane of Glass



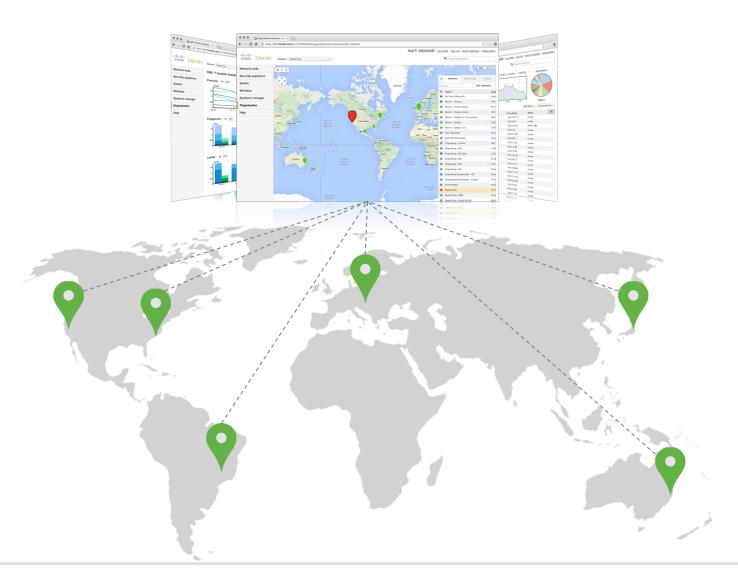


With the Meraki full stack you can...

Deploy and grow networks at branch locations or large campuses **easily** and rapidly

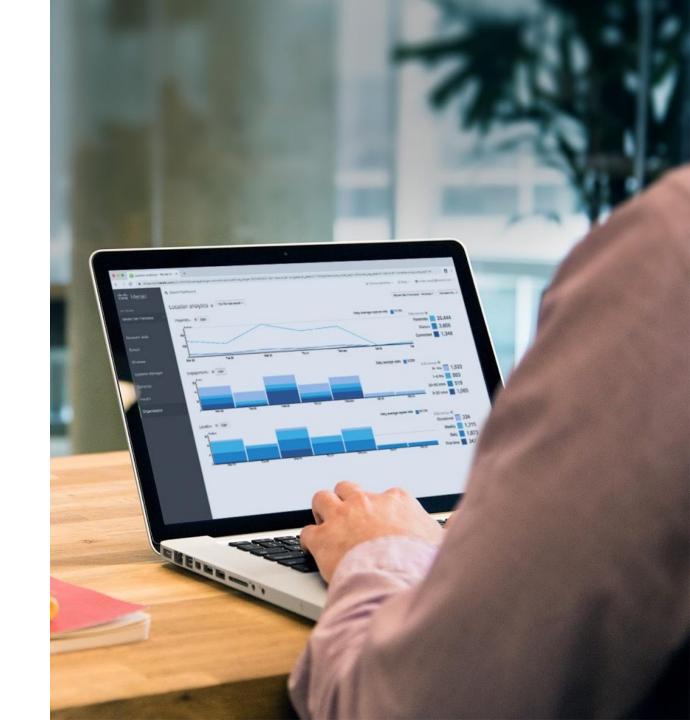
Manage and monitor those networks with robust analytics from a **single** pane of glass

Reduce administrative overhead with simple all-inclusive licensing models and tools



Powerful cloud infrastructure under the hood

Utterly simple, so you can do more with less.



Benefits of a cloud-managed solution

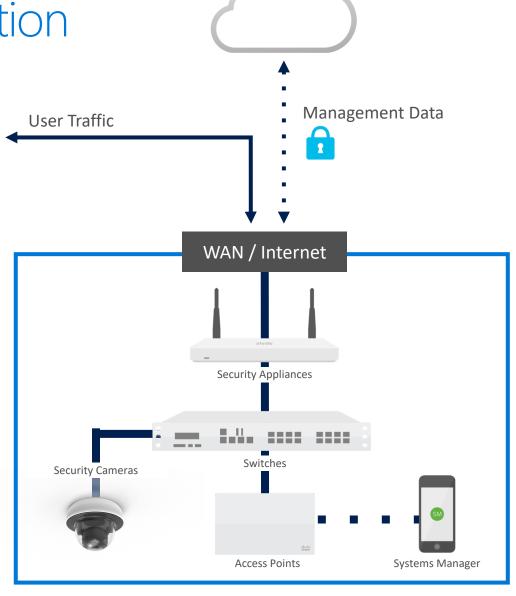








Reliability and security information at meraki.cisco.com/trust GDPR information at meraki.cisco.com/gdpr



Ease of new

EASY Plug & play

Save time and costs from utterly **simple** use and troubleshooting, even with limited IT experience

OPERATE

Leaner

Do more with less; **save costs** by continually growing and innovating

EASY TO

Scale

Have more accessibility to technologies that empower **faster growth** & innovation

SERVE MORE

Customers

Serve more customers in the most demanding environments via deep insights & analytics



Out-of-the-box management and open APIs for deep analytics and intelligence

Ease of change

SINGLE Interface

Save time through **easy configuration** and monitoring from a single interface

Integration

Scale via tight integration with the broadest range of networks, applications, and connected devices

RADICALLY **Faster**

Save money & resources from radically faster deployment, management, & troubleshooting

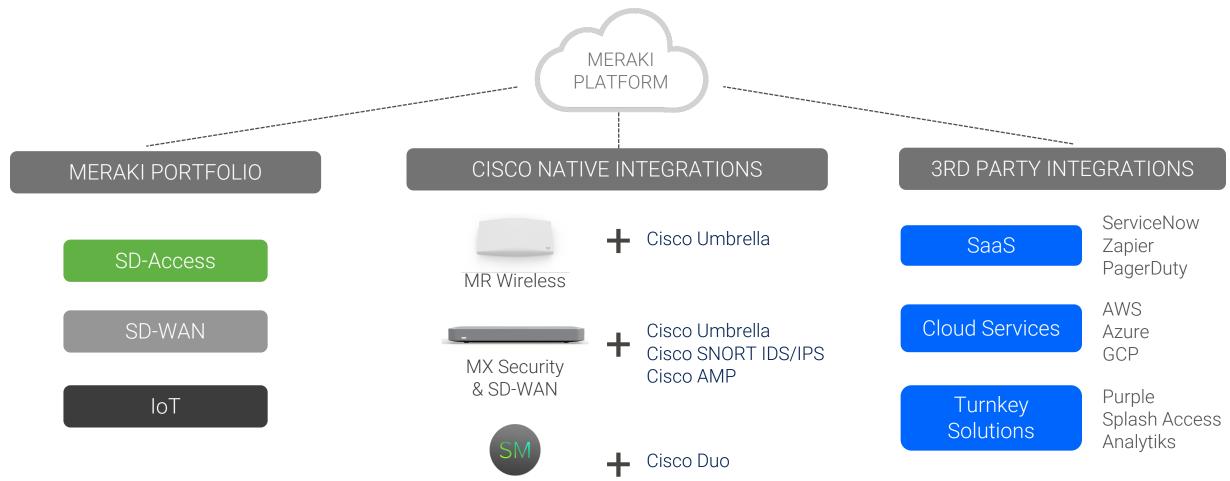
OPERATION Simplification

Automate lean
IT teams with
real-world insights
to improve
experiences faster



Broad integration across Meraki, Cisco, and 3rd party systems

Seamless integrations powered by the Meraki platform



Systems Manager

Key solutions



Business resiliency with Meraki



Secure Edge

Consolidate your technology to protect your network, users, and devices



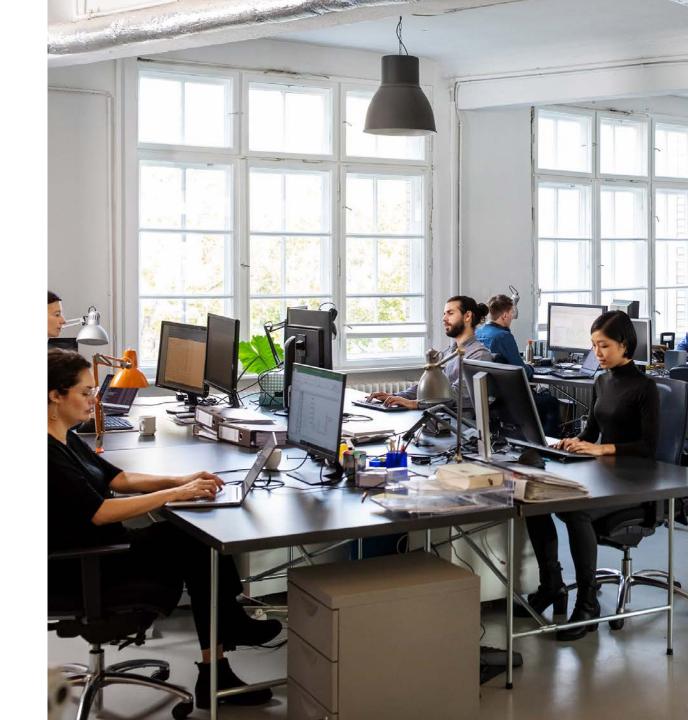
Future of Work

Create secure environments and seamless productivity wherever work happens



Smart Spaces

Enable physical security & remotely monitor processes



✓ Secure edge

SASE (Secure Access Services Edge) is a consolidated architectural solution that provides effective & homogenous levels of **security** and **experience** for users on any device.

SASE converges **networking** (SD-WAN, SD-Branch) and **network security** (secure web gateway, firewall, CASB, etc.) towards an **as-a-service** cloud edge model..

KEY PRODUCTS:

- MX & SD-WAN + Cisco Umbrella for **threat protection**
- Z3 teleworker devices for **seamless remote work**
- MR Wireless + Cisco Umbrella for DNS-layer protection



For all verticals (distributed or offices): Retail, Healthcare, Financial Services, Manufacturing, Professional Services, Hospitality, etc.

How Meraki delivers SASE









CONTROL



CONVERGE

CONNECT

High quality of experience with SD-WAN

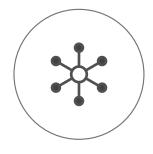


Advanced Analytics with ML

Platform-wide visibility

Auto VPN telemetry

Web App, WAN, VoIP Health



SD-WAN Connectivity

Site-to-site Auto VPN
Public IaaS clouds
Controlled & performance-based path selection



Integrated Agile Security

Informed by Cisco Talos

Cisco Umbrella cloud security

On-prem unified threat

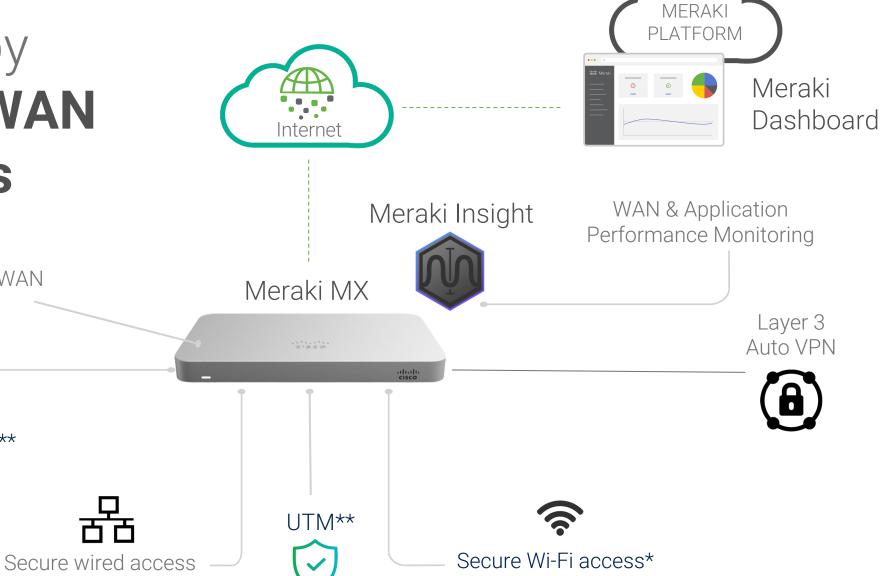
management

CONNECT

Delivered by

MX & SD-WAN Appliances

Content Filtering**



* Supported on MX64W ** Requires Advanced Security License



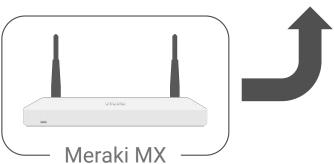
Best-in-class integrated security



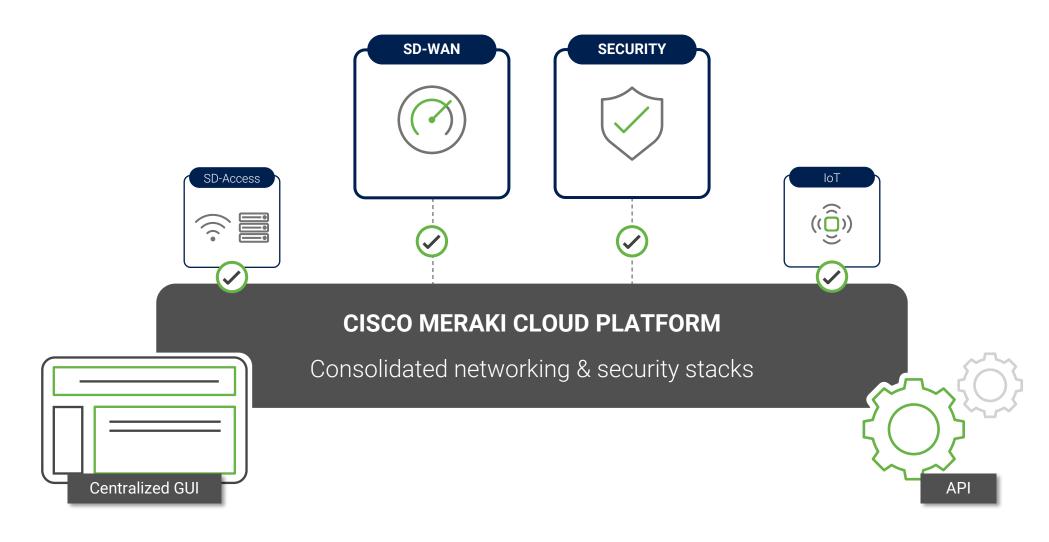
Cisco Talos blocks 20B threats daily

Best-of-breed security capabilities





A platform designed to easily embrace SASE



Future of work

Increase **productivity, security, and connectivity** for remote, hybrid and/or in-office workers.

REMOTE OFFICE PRODUCTS:

Z3 Teleworker Gateway, Meraki Insight, Systems Manager + Duo

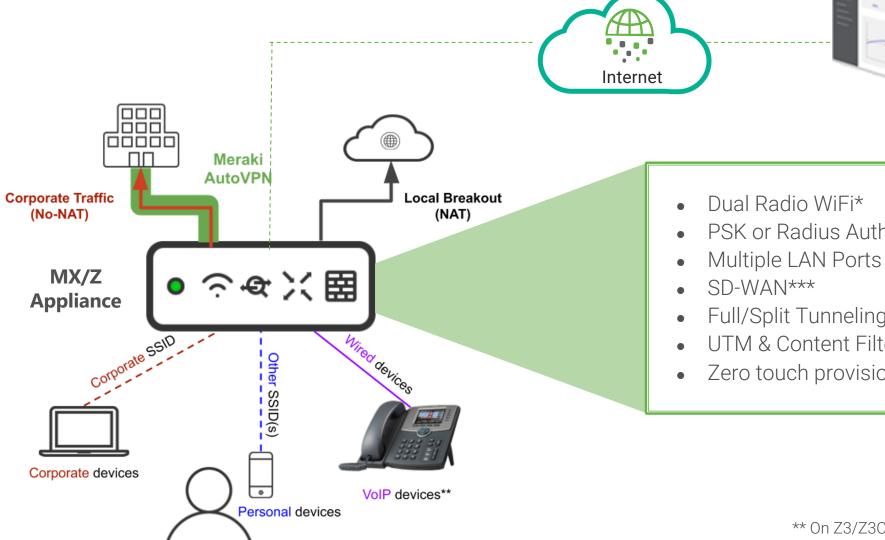
HYBRID OR PHYSICAL OFFICE PRODUCTS:

- MX & SD-WAN or Z devices + Cisco Umbrella threat protection
- Meraki Insight for deep application insights used by remote workers and reduced troubleshooting time
- Systems Manager + Duo for **secure BYOD** environments
- MR Wireless for high performance Wi-Fi 6 connectivity
- MS Switches & MG Cellular Gateway for extended connectivity



Key Verticals (offices or distributed):Retail, Healthcare, Financial Services, Professional Services,
Education

MX / Z Teleworker Gateway

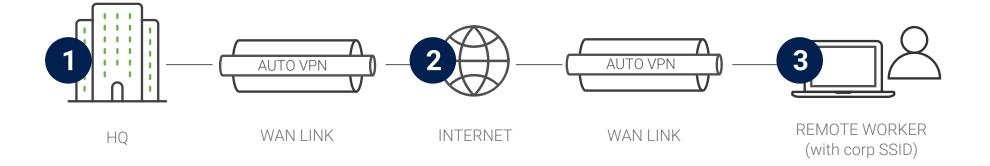


Meraki Dashboard

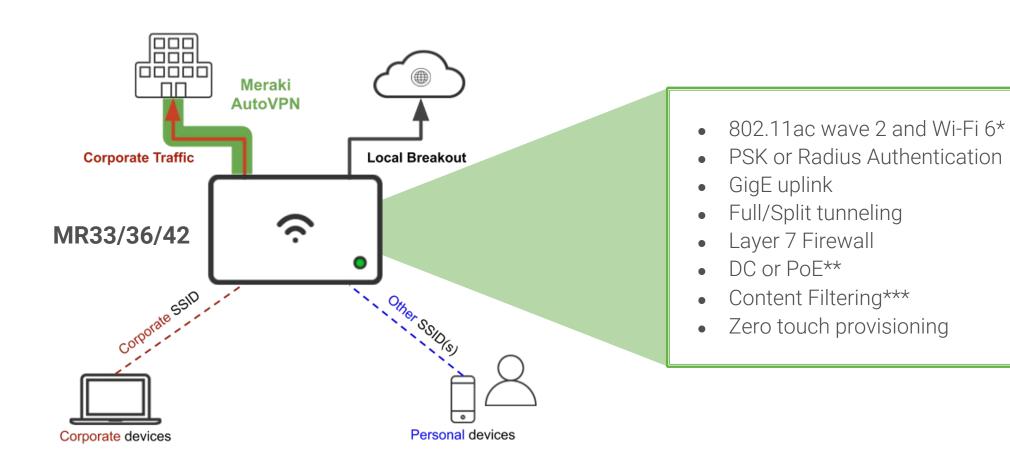
- PSK or Radius Authentication
- Full/Split Tunneling
- UTM & Content Filtering****
- Zero touch provisioning

MX Appliance – Auto VPN

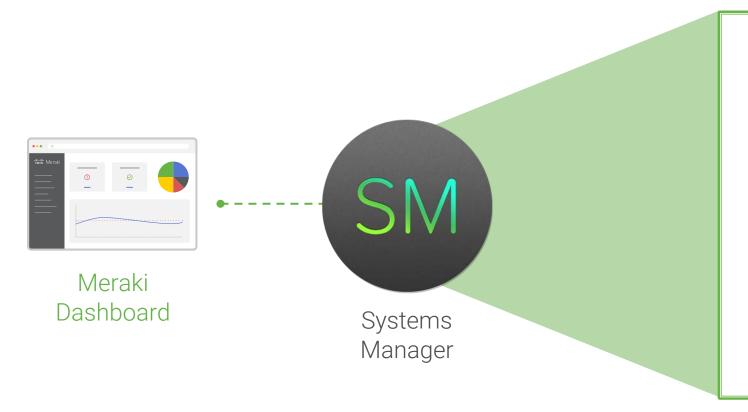
- Secure connectivity in 3 clicks
- Automatically configured VPN parameters
- Redundancy built-in



MR Wireless - Teleworker Solution



Systems Manager - BYOD



- Easy enrollment via email or SMS or via mobile browser
- Monitor devices regardless of their location or connection type
- Hassle free VPN & Wi-Fi provisioning
- Manage hardware and software inventory
- Protect devices, enforce encryption and remote wipe

Smart spaces

Enable **safe operations** for teams, and monitor indoor & outdoor activity and IT assets remotely.

MV smart cameras & Meraki APIs bring **increased visibility** into operations, and **advanced analytics** to easily track usage patterns and detect objects.

MT sensors monitor IT assets & facilities for greater visibility, **employee safety**, and **cost savings**.

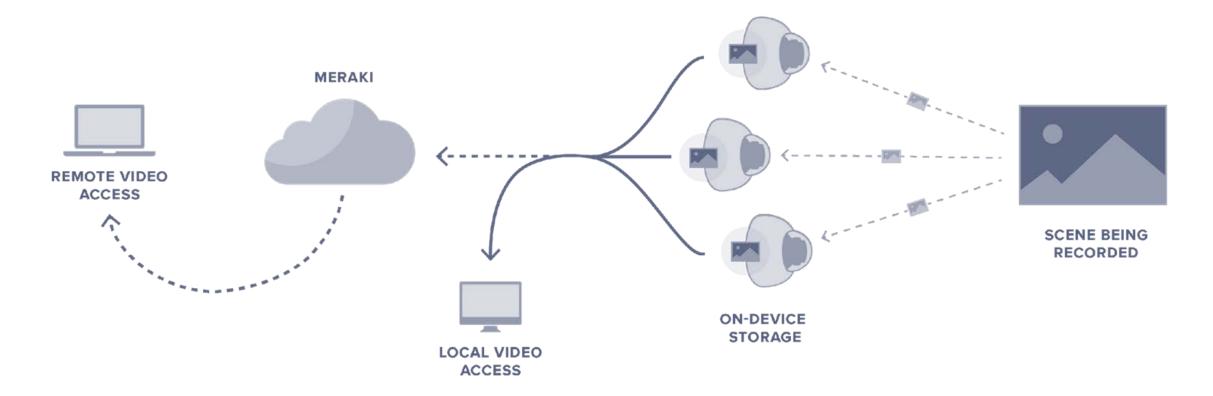
KEY PRODUCTS

- MV smart cameras
- MT sensors
- Meraki APIs & Meraki Marketplace



Key Verticals (offices or distributed): Retail, Healthcare, Financial Services, Professional Services, Hospitality

MV Smart Cameras



BANDWIDTH CONSCIOUS

Less than 50kpbs upstream bandwidth per camera when not watching video

INTELLIGENT STREAMING

View locally, or view remotely via cloud proxy streaming, from the Meraki dashboard

HYBRID VIDEO PROCESSING

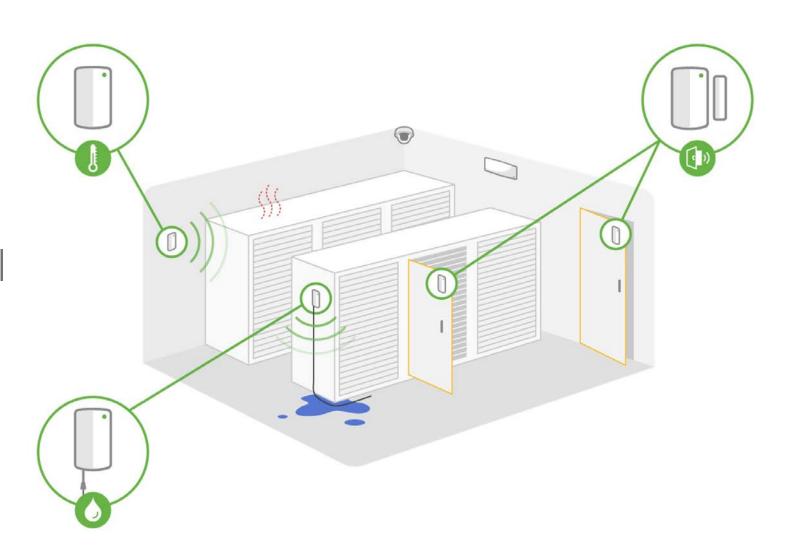
Video is analyzed on camera, motion indexed in the cloud

M T Sensors



MT Sensors

Protecting Business-Critical Infrastructure



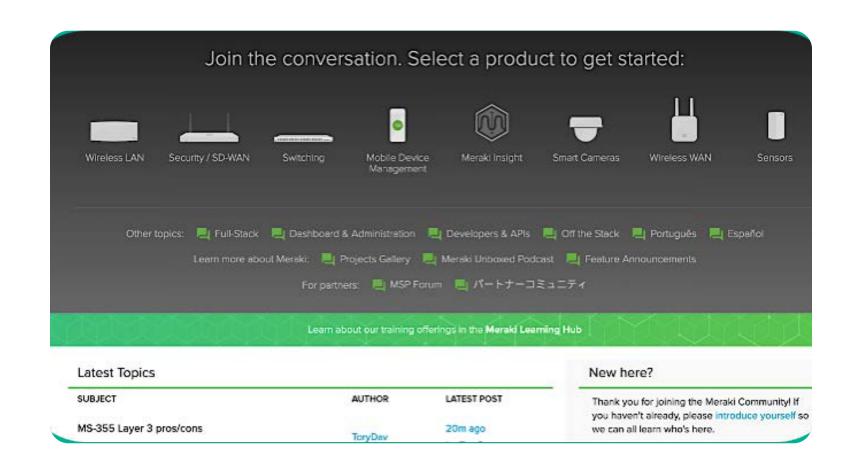
Resources



Meraki Community

- ✓ Developer & APIs board
- ✓ Learning resources
- ✓ DevNet Certs
- ✓ Developer Q&A
- ✓ Product & feature requests

community.meraki.com





Q&A Session

To request a demo or to learn more about IT security, Cisco Duo, or Meraki, please contact us at:

<u>info@evron.com</u> www.evron.com/contact-us



Thank you!

Contact Us: info@evron.com | www.evron.com



Don't Forget to Follow Us!







