

Cisco Meraki - more than "just" complete cloud managed networks



cisco Meraki

Technology can connect us, empower us, and drive us. At Meraki we believe by simplifying powerful technology we can free passionate people to focus on their mission and reach groups previously left in the darkness.

Technology that simply works

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Cisco Internetwork Operating System Software
IOS (tm) 2500 Software (C2500-D-L), Version 12.0(9), RELEASE SOFTWARE (fc1)
Copyright (c) 1986-2000 by cisco Systems, Inc.
Compiled Mon 24-Jan-00 22:06 by bettyl
Image text-base: 0x030387D0, data-base: 0x00001000

ROM: System Bootstrap, Version 11.0(10c), SOFTWARE
BOOTFLASH: 3000 Bootstrap Software (IGS-BOOT-R), Version 11.0(10c), RELEASE SOFTWARE (fc1)

uptime is 14 years, 1 week, 3 days, 15 hours, 51 minutes
System restarted by reload at 02:20:35 GMT Sat Oct 21 2000
System image file is "flash:12.0.9-2500"
Network configuration file is "tftp://
cisco 2500 (68030) processor (revision L) with 14336K/2048K bytes of memory.
```

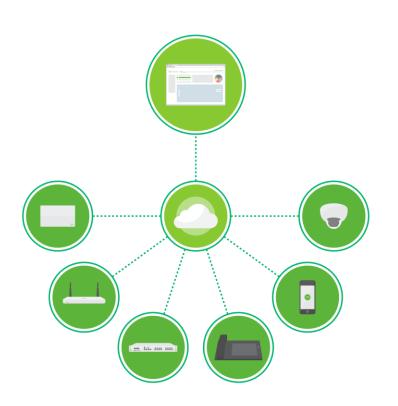
What's the first thing that comes to mind?

And the second...?

Cisco 2016 Annual Security Report

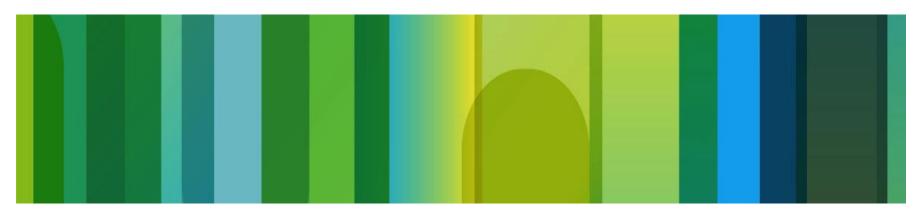
Aging infrastructure is growing and leaves
 organizations increasingly vulnerable to compromise.
 We analyzed 115,000 Cisco® devices on the Internet
 and discovered that 92 percent of the devices
 in our sample were running software with known
 vulnerabilities. In addition, 31 percent of the Cisco
 devices in the field that were included in our analysis
 are "end of sale" and 8 percent are "end of life."

Simplifying across IT with cloud management



Cloud where cloud makes sense.

Wireless



Introducing the MR84: high-density wireless made easy

Why customers will love it

- Serve more concurrent clients with most advanced 802.11ac Wave 2 chipset, 4x4:4-stream MU-MIMO 160MHz architecture, and multigigabit uplink
- Steer clients to faster, less congested 5Ghz channels and improve roaming performance by setting minimum bitrates
- Enjoy a seamless wireless experience even with 10,000+ devices across entire venue with Layer 3 roaming
- Rapidly expand wireless connectivity to remote "dead zone" areas with zero-touch, automatic AP meshing
- Reduce RF interference in congested areas with a dedicated scanning radio that proactively tunes to optimize performance



IP67 rating for harsh outdoor / indoor conditions

7

Why 802.11ac and multigigabit?



MU-MIMO vs. SU-MIMO: serve more devices simultaneously

Wider channels: transmit data faster, free up air time for more clients

Multigigabit: more bandwidth over existing cables



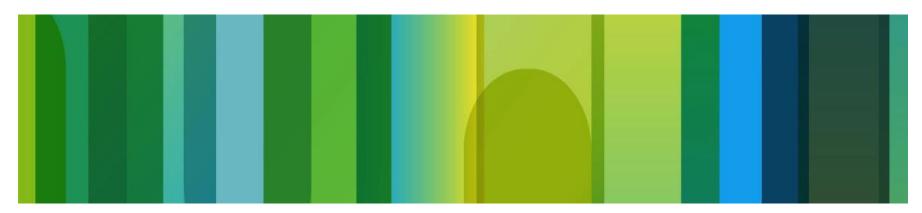
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Making high-density wireless network easy



9

Communications



Cisco Meraki MC74

- Streamlined deployment
- Simplified management
- Single pane-of-glass management with Meraki network
- · First in a series



Managed through the cloud, integrated with the network

Telephony feature sets

Visual Voicemail

Conferencing

Workgroups (beta)

Music On Hold

Automated attendant/IVR Menus

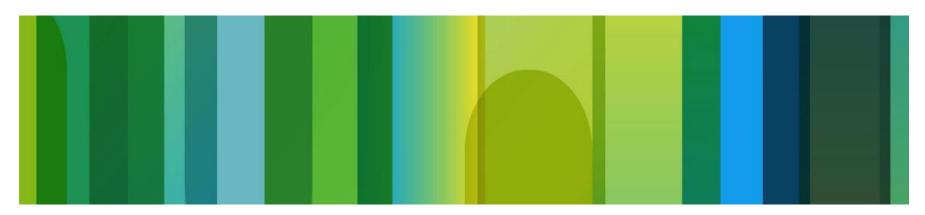
Basic call features (hold, transfer, multiple simultaneous incoming calls, caller ID)

Secure end to end calls via Secure SIP (TLS) for signaling and SRTP for media streams

Phones assigned extensions (4-6 digits) and DIDs (10 digits)

Check the MC Datasheet for the latest features

Security appliances



MX: One, easy to use, appliance to secure your networks and connect them with the world.





Security - UTM

NG Firewall, Client VPN, Site to Site VPN, IDS/IPS, Anti-Malware, Geo-Firewall



Networking

NAT/DHCP, 3G/4G Cellular, Intelligent WAN (IWAN)



Application Control

Web Caching, Traffic Shaping, Content Filtering

Ironclad security

Stateful Firewall

IPS/IDS

Content Filtering

Geo-based security

Malware Protection

Client authentication

SOC

Firmware freshness

PCI compliance

L3, L7 (NGFW)

Snort

4+ billions URLs (Webroot BrightCloud)

Geo-filtering (Max Mind)

Cisco AMP

AMP Threat Grid

AD, Radius, 802.1x

Single pane of glass security

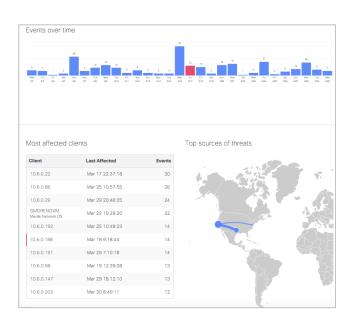
center

Continuous security updates

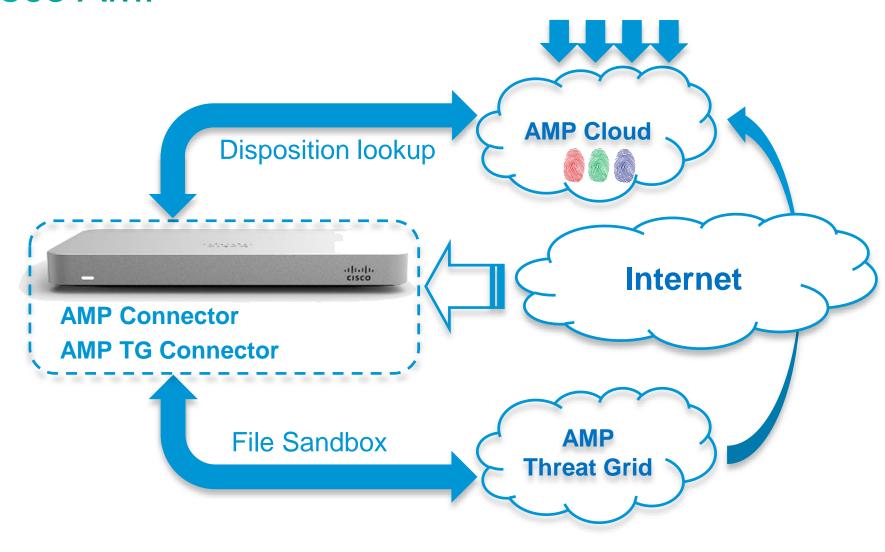
PCI 3.1 certified cloud-based

management





Cisco AMP

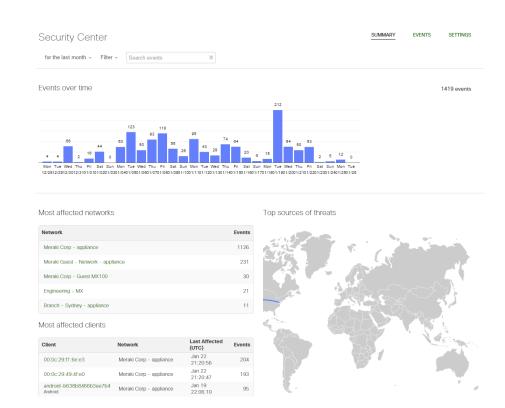


AMP is coming to MX

- Cisco's Advanced Malware Protection
- Continuous analysis of files that enter the network
- Keeps a growing database of malicious file signatures
 - **220M** known malicious files **407M** known clean files
 - **1.5M** incoming new malware samples per day
 - **3.1B** lookups requests per day
- Alerts even if a malicious file is discovered in retrospect
- FREE with MX Advanced Security license
- Dynamic file submission available through AMP Threat Grid UPGRADE

New Security Center (replaces Security Reports)

- All security-related events in one place
- Pivot on the client, network, threat or remote source
- Quickly identify clients and networks that are potentially infected
- Identify threats that appear across multiple networks



New SD-WAN features for the MX

Dual-active path:

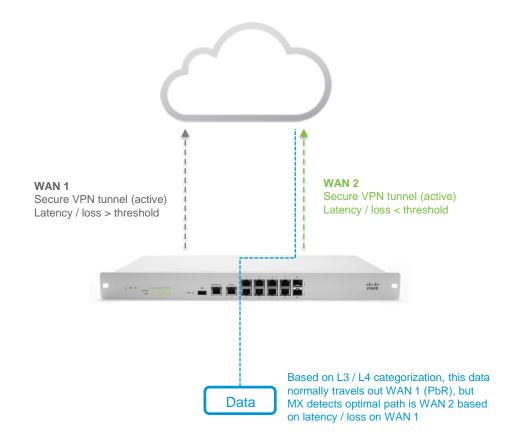
- Dual-active VPN
- Dual-active VPN & MPLS

Dynamic Path Selection:

Ensures that the best VPN tunnel is used based on latency and loss performance metrics

Policy-based routing (PbR):

Allows uplinks to be intelligently assigned based on traffic protocol, subnet, source, destination, etc.



Introducing MV security cameras

Meraki MV security cameras

Introducing a brand new Meraki product family



The only video surveillance solution from a cloud leader

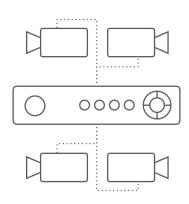
Simplified design for streamlined deployment

Fully managed through the Meraki dashboard

128GB of flash storage on each camera (about 20 days of footage)

Current video surveillance solutions

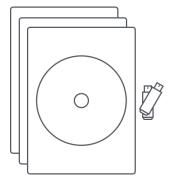
WITH MV, SAY GOODBYE TO



Additional on-premise hardware

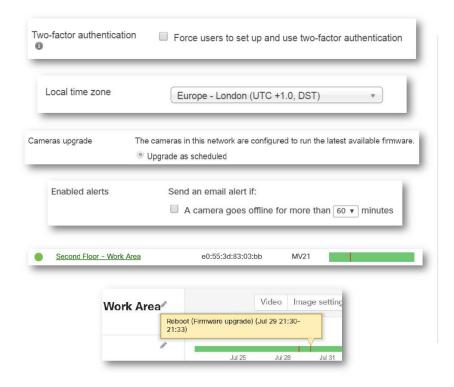


Standalone software packages



External recording devices

Dashboard, better by default



Don't overlook the dashboard advantage.

High Resolution Day or Night



High resolution 5 megapixel camera with video recorded at 720p HD.

3 - 10mm vari-focal lens offers a flexible Field of View (FOV) for easy camera placement.

- Wide angle for rooms and corridors
- Zoomed in for cash registers and door entrances.

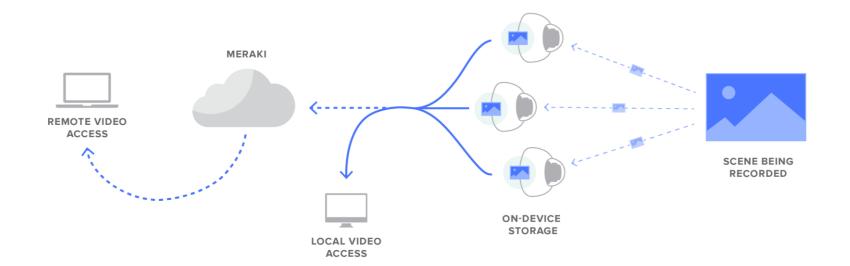
Night mode with infrared (IR) illumination up to 100 feet.

PoE with built in chassis heating for MV71 outdoor model:

- MV21 PoE 802.3af (10.94W max)
- MV71 PoE+ 802.3at (21.95W max)



Cutting edge architecture



Powerful, intuitive features

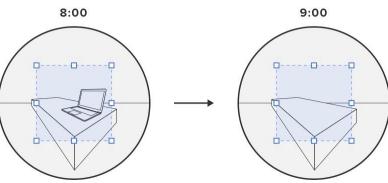
Video wall

Resize, reorder, and monitor video streams on the fly

Drag-and-drop functionality

Motion search

Automatically isolate key motion events and find out who stole that laptop



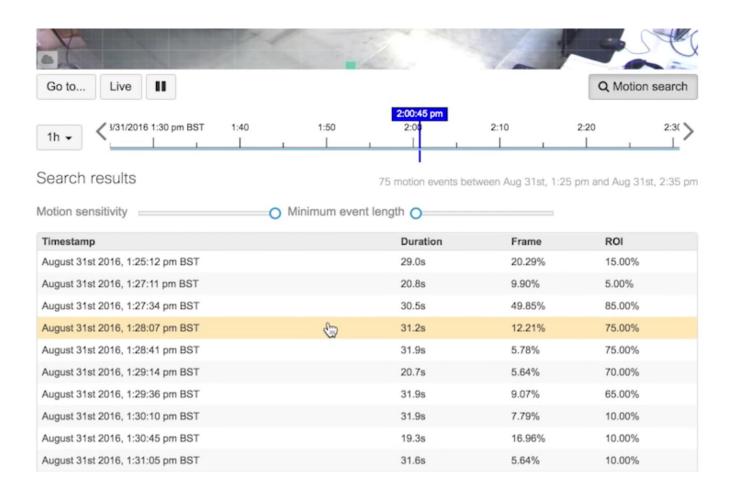
Granular access controls

Choose who can view, export, and change the layout of videos



Image settings Network Event log Location Tools Q Motion search Go to... Live





Next steps

Risk-free evaluation meraki.cisco.com/eval



Check out our website & blog meraki.cisco.com/blog blog.meraki.si



Contact your Meraki rep RRC & Cisco local office meraki.cisco.com/contact

