



Impacto de la Nube en la Educación

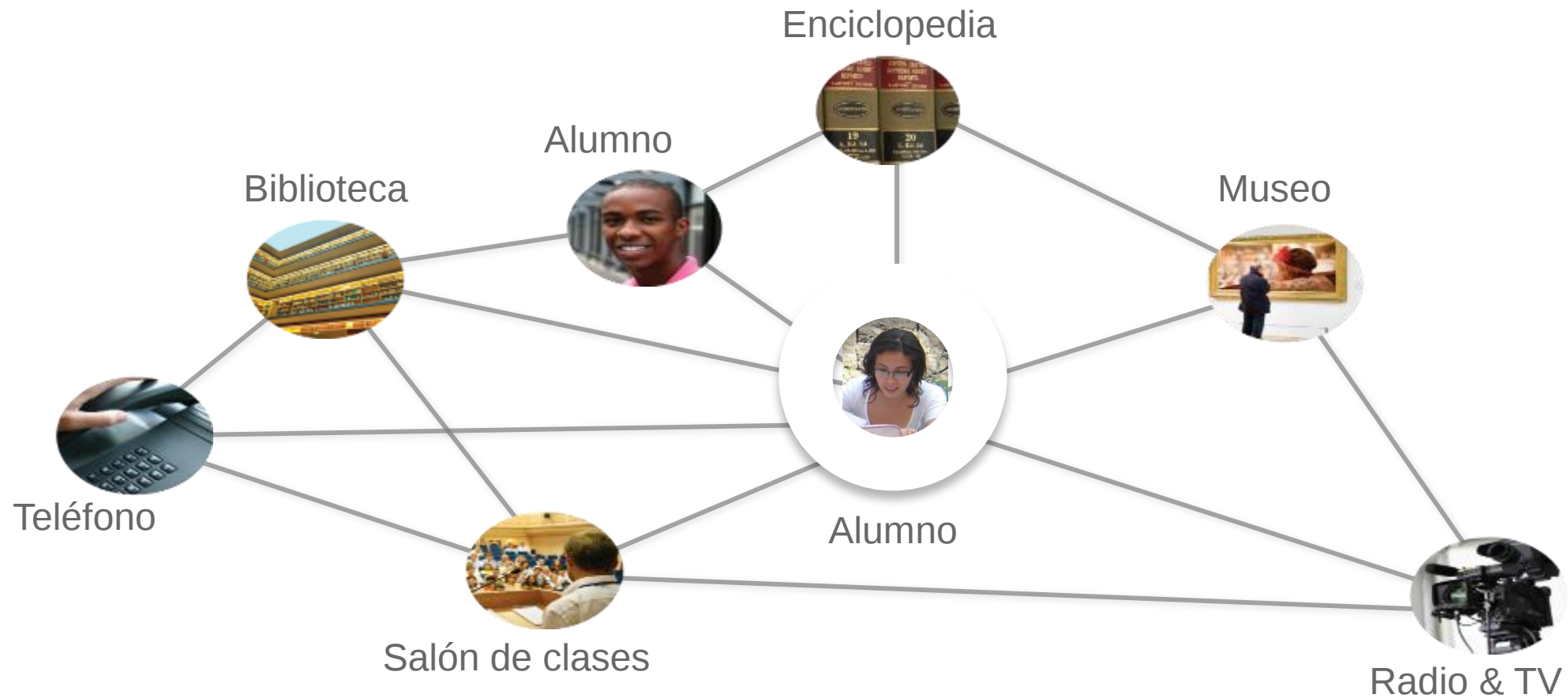


Agenda

- Tendencias y retos en Educación
- Caso de Estudio
- Beneficios de la nube



El mundo de quien aprende ha cambiado...



Las fuentes de información han evolucionado





Uso de libros y contenido digitales se está expandiendo como la fuente primaria de aprendizaje



Alumnos traen sus propios dispositivos (BYOD) y esperan acceder contenidos en línea



Redes sociales y compartir contenido
aumenta la colaboración entre alumnos y
académicos

COSTO

El costo de brindar la educación ha aumentado
Costos de tecnología que soportan las tendencias va en aumento
El presupuesto de TI se reduce

ADOPCION

Implementación de tecnologías es costoso tanto en recursos como en tiempo
Inconsistencia en servicios y uso entre facultades/licenciaturas
Temor a usar la tecnología por desconocimiento (maestros)

COMPLEJIDAD

Adicional a las fuertes inversiones en tecnología es un reto administrarlas y mantenerlas actualizadas para brindar un buen servicio

MAYOR
MATRICULA

Instituciones buscan capturar mayor cantidad de alumnos
La experiencia del alumno influye en recomendación a otros alumnos

RETENCION

Los mejores maestros buscan las mejores ofertas
La tecnología puede ayudar o entorpecer el trabajo del maestro
Atraer y retener al mejor talento para aumentar matriculado

MAS ALUMNOS
MENOS AULAS

Los salones/escuelas son limitante física para impartir clases
Horarios menos flexibles por falta de salones
Recursos especializados limitan la cantidad de alumnos (labs, software)

Caso de Estudio - Problemática

- Licenciatura con sede central, campus foráneos
- Acceso a internet promedio (LAN/Wless)
- Esquema BYOD, cada alumno lleva su tableta/laptop
- No todos los alumnos cuentan con tableta/laptop
- Sistema de exámenes y calificación manual
- Encuesta anual salen evaluados bajos en colaboración
- Laboratorios con software especializado

Caso de Estudio - Acciones

- Licenciatura/Facultad con visión de clase mundial
- Implementación de tecnología de **nube** para acceso a internet WiFi
- Préstamo de tabletas y laptops a alumnos con gestor de móviles en **nube**
- Alumnos con tabletas y laptops propias enseñan a los de préstamo
- Sistema de exámenes y calificación en línea
- Redes sociales (**nube**) para realizar trabajos
- Sistemas de compartición de archivos en **nube**
- Sistemas de comunicación en **nube**

B
COSTO
E

El costo de brindar la educación ha aumentado
 La gestión tecnológica que se aplica en las tendencias va en aumento
 El área de soporte de TI se reparte en puestos de áreas educativas

Reduce costos al tener economía de escalas

A
DOPCION

Implementación de tecnologías es costoso tanto en recursos como en tiempo
 Despliegue en tiempo récord y operando adecuadamente
 Inconsistencia en servicios y uso entre facultades
 Nube reduce complejidad en despliegue y permite a TI enfocar esfuerzos en adopción
 Temor a usarlo por desconocimiento

Reduce tiempos, facilita adopción e implementación

C
OMPLEJIDAD

Adición a las fuentes de inversión en tecnología es un reto
 No es simple administrar y mantener la tecnología para pagar los servicios

Fácil de utilizar

MAYOR
MAYOR MATRICULA

El estudiante busca capturar más cantidad de información
 La experiencia del alumno influye en recomendación a otros alumnos
 Extensión de servicios a Campus foráneos

Alumnos recomendando la licenciatura

R
ETENCION

Los mejores tiempos para calificar mejor a los docentes
 La tecnología puede ayudar o entorpecer el trabajo del maestro
 Atraer y retener a los mejores talentos para una plataforma

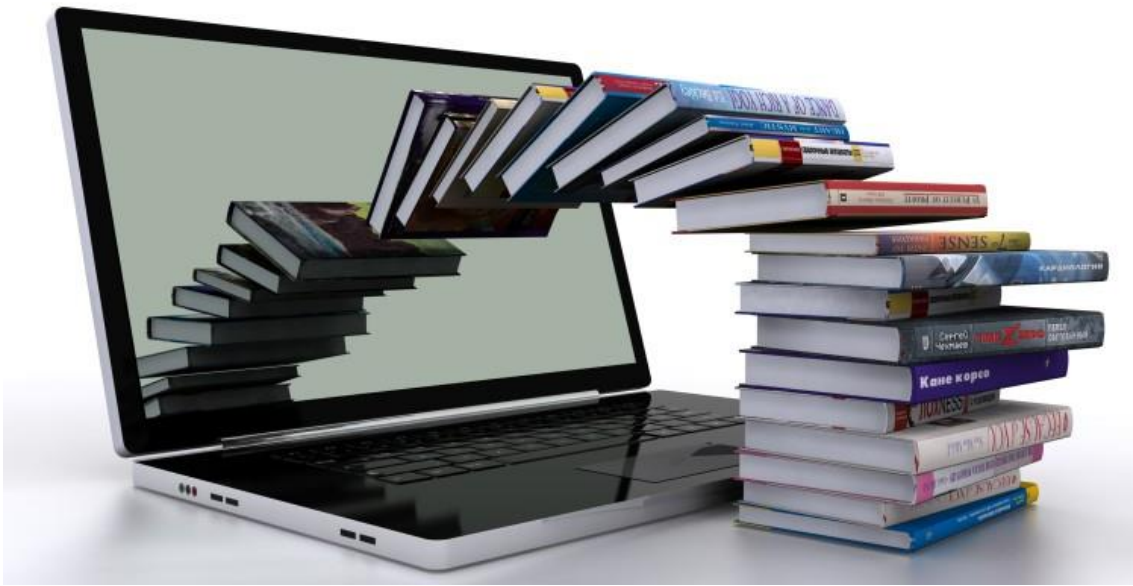
Maestros más contentos

MÁS ALUMNOS
MENOS AULAS

Software de laboratorios accedido fuera del aula
 Los salones/escuelas son limitante física para impartir clases
 Alumnos trabajan en áreas de esparcimiento
 Horarios menos flexibles por falta de salones
 Préstamo de tabletas y laptops aumenta el acceso a información
 Recursos especializados limitan la cantidad de alumnos (labs, soft

Escalabilidad

En los siguientes años el sistema para impartir educación cambiará más de lo que ha cambiado en los últimos 30 años



¡El cambio será de manera acelerada!



¡La Nube te da agilidad!



Backup Slides

Bullets a personalizar para cliente

Networking Academy

Liderazgo de
pensamiento

Responsabilidad
Social Corporativa

Bullets a personalizar para
cliente

Centro de
Investigación

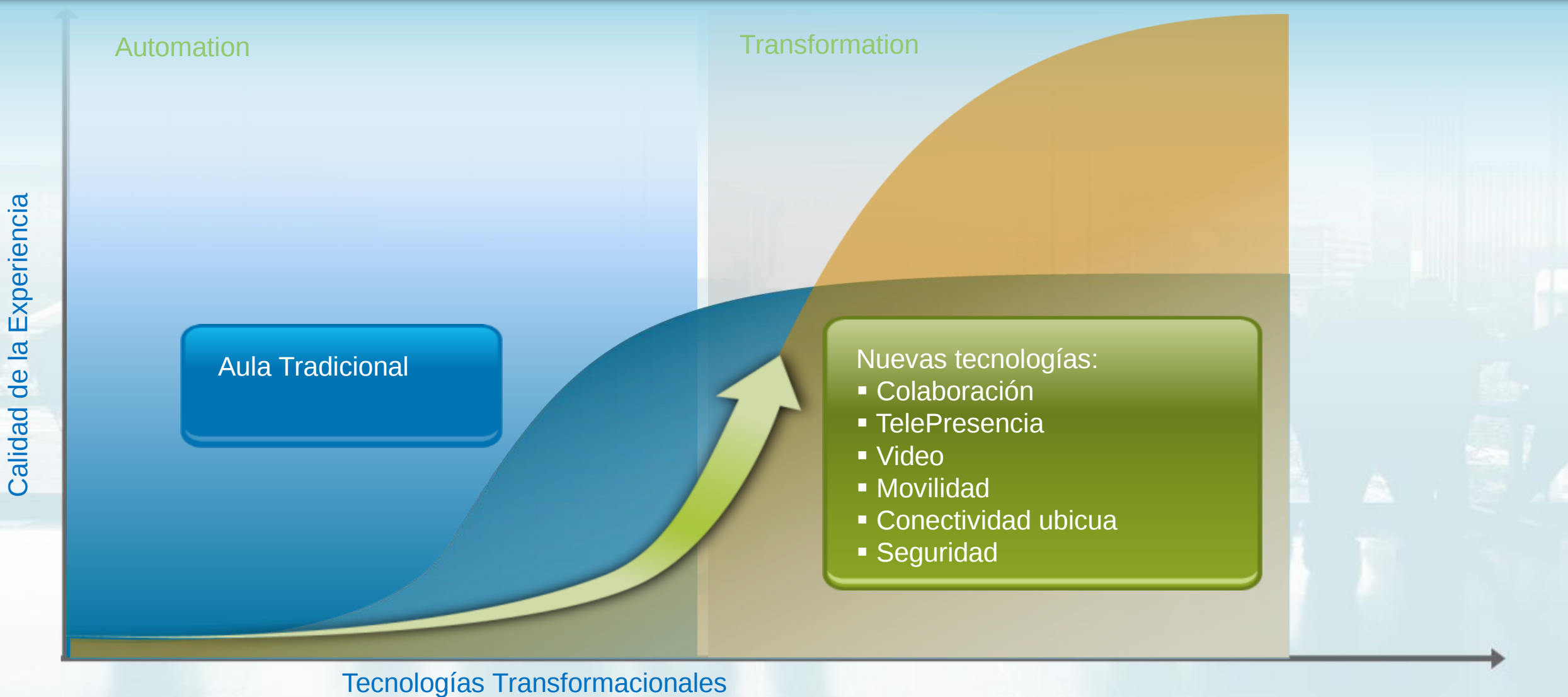
Bullets a personalizar para
cliente

Reclutamiento
Universitario

Bullets a personalizar para cliente

Compromiso Cisco con la Educación

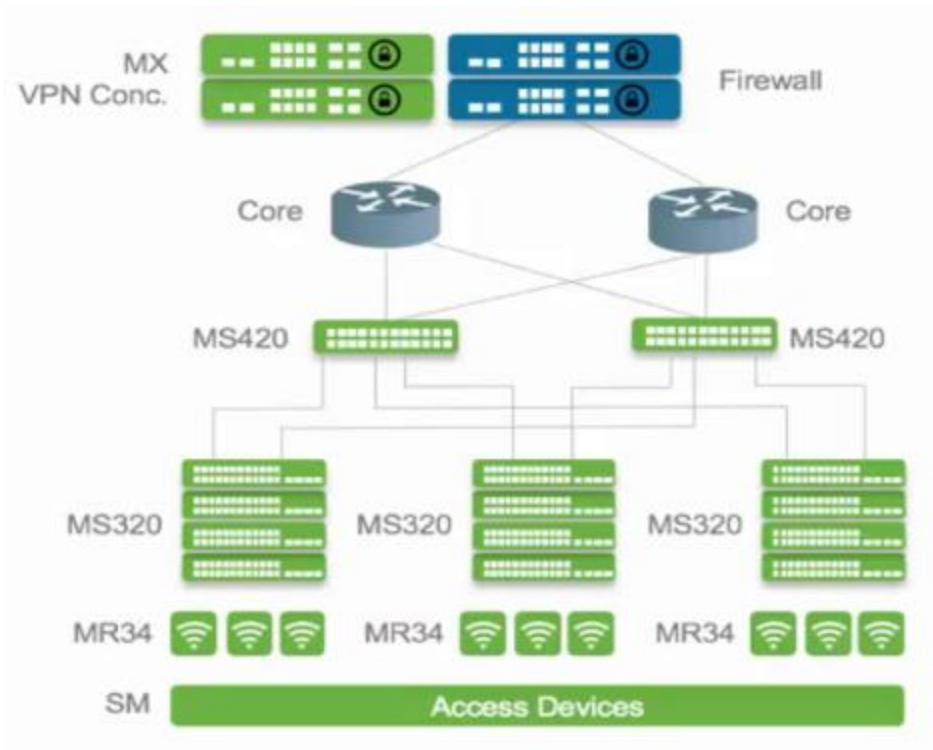
El aprendizaje está siendo apoyado y transformado por Tecnología



Turnkey Solution for Classroom

- **Cisco Meraki Wireless:** easy to setup, world class performance and unmatched visibility for application, student and teacher application usage and policing.
- **Cisco Meraki Switching:** automated network diagrams, troubleshooting tools, port schedulers, smart PoE and unprecedented visibility
- **Cisco Meraki Security:** content filtering for safe internet browsing, IDS/IPS for attack protection, antivirus to protect against worms/virus, traffic shaping and internet connectivity
- **Cisco Meraki Device Manager:** for tablets and computers control, application delivery, geo policing, BYOD, enhanced network integration and group policing
- **Intel low cost tablet:** used by teacher and students to enrich learning experience
- **Google Apps:** free spreadsheet, text documents, powerpoint, email and document storage
- **Teacher class delivery software:** teachers upload content for entire course, lecture, class of the day content delivery, controls which content are all tables in the room watching
- **Smart Projector:** wifi, high resolution projector

Turnkey Solution for Campus



- **Campus:** Scalability

Why customers choose a Meraki Campus

Easiest to deploy, manage, and scale

Killer MX features

Comprehensive security, L3/L7 firewall, content filtering, intrusion prevention, Auto-VPN

Killer SM features

SM Sentry enforcement
Single-app mode
iOS, Android, Windows, OS X

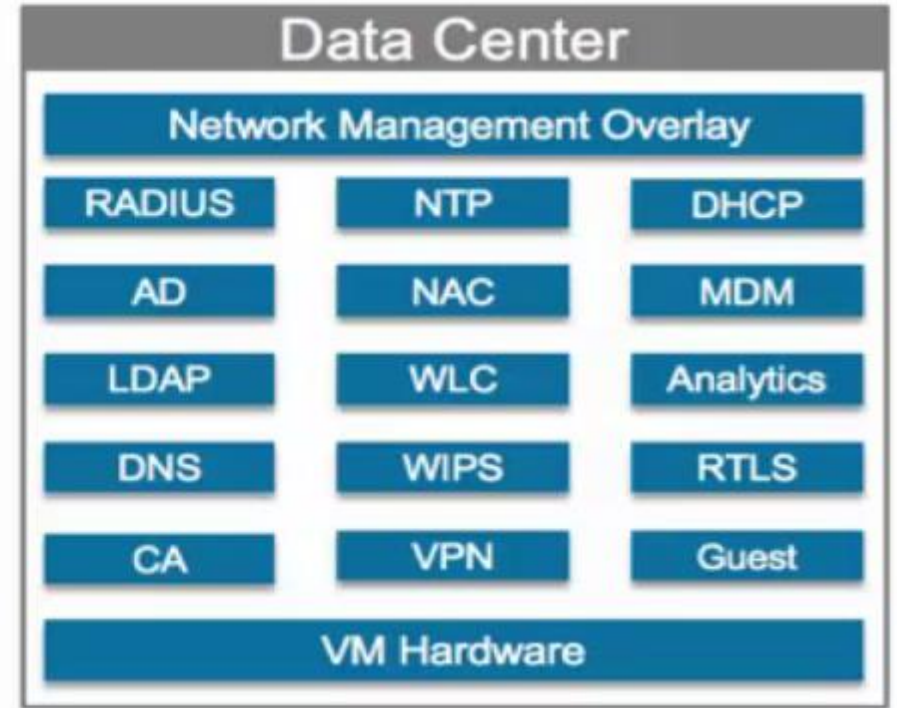
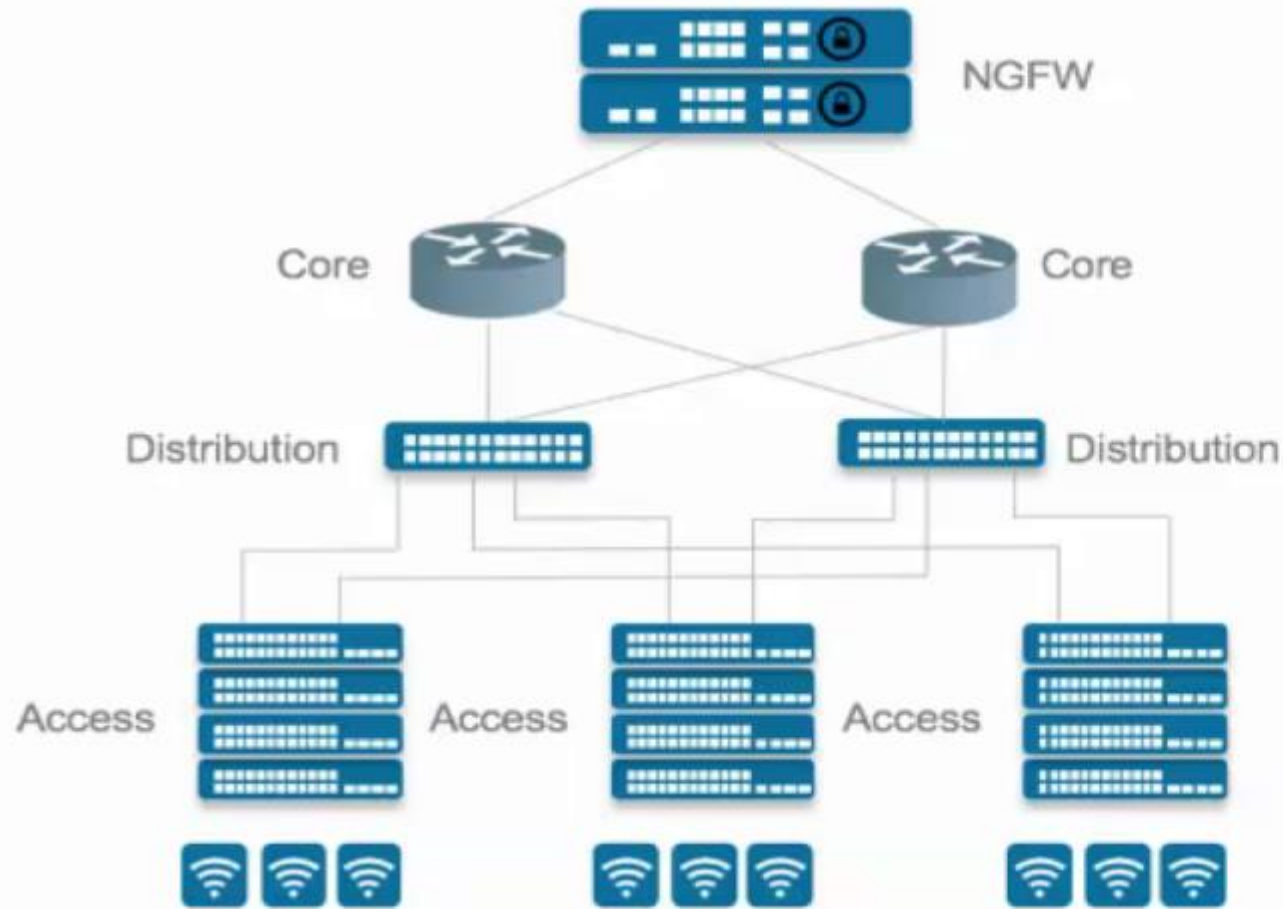
Killer MS features

Cloning, Remote troubleshooting, Security, Client Visibility, Virtual Stacking

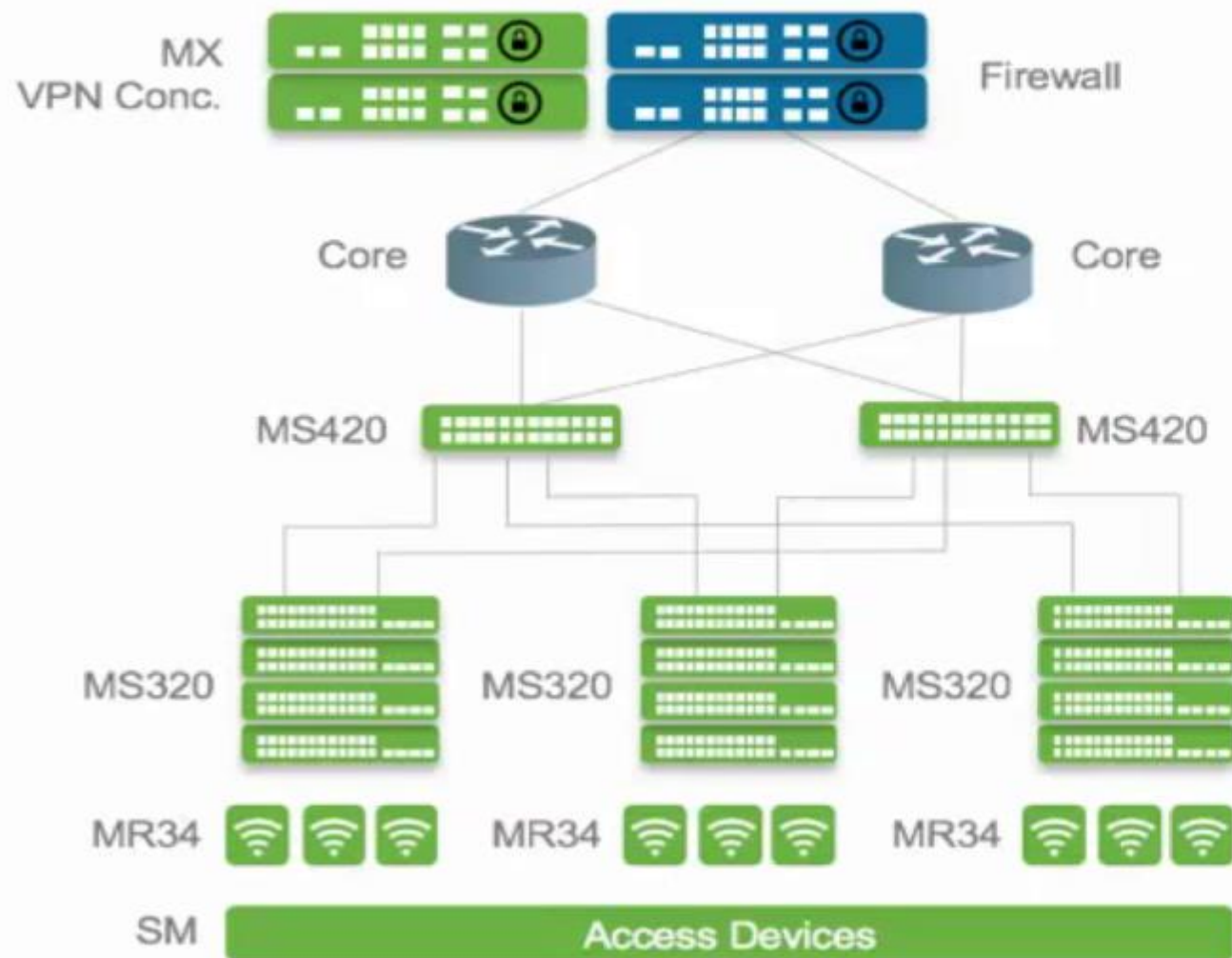
Killer MR features

Multiple SSIDs w/ Traffic Shaping
High density wireless / AutoRF
Distributed L3 roaming

Traditional campus architecture



The Meraki Campus Today



Data Center

RADIUS

AD

LDAP

DNS

CA

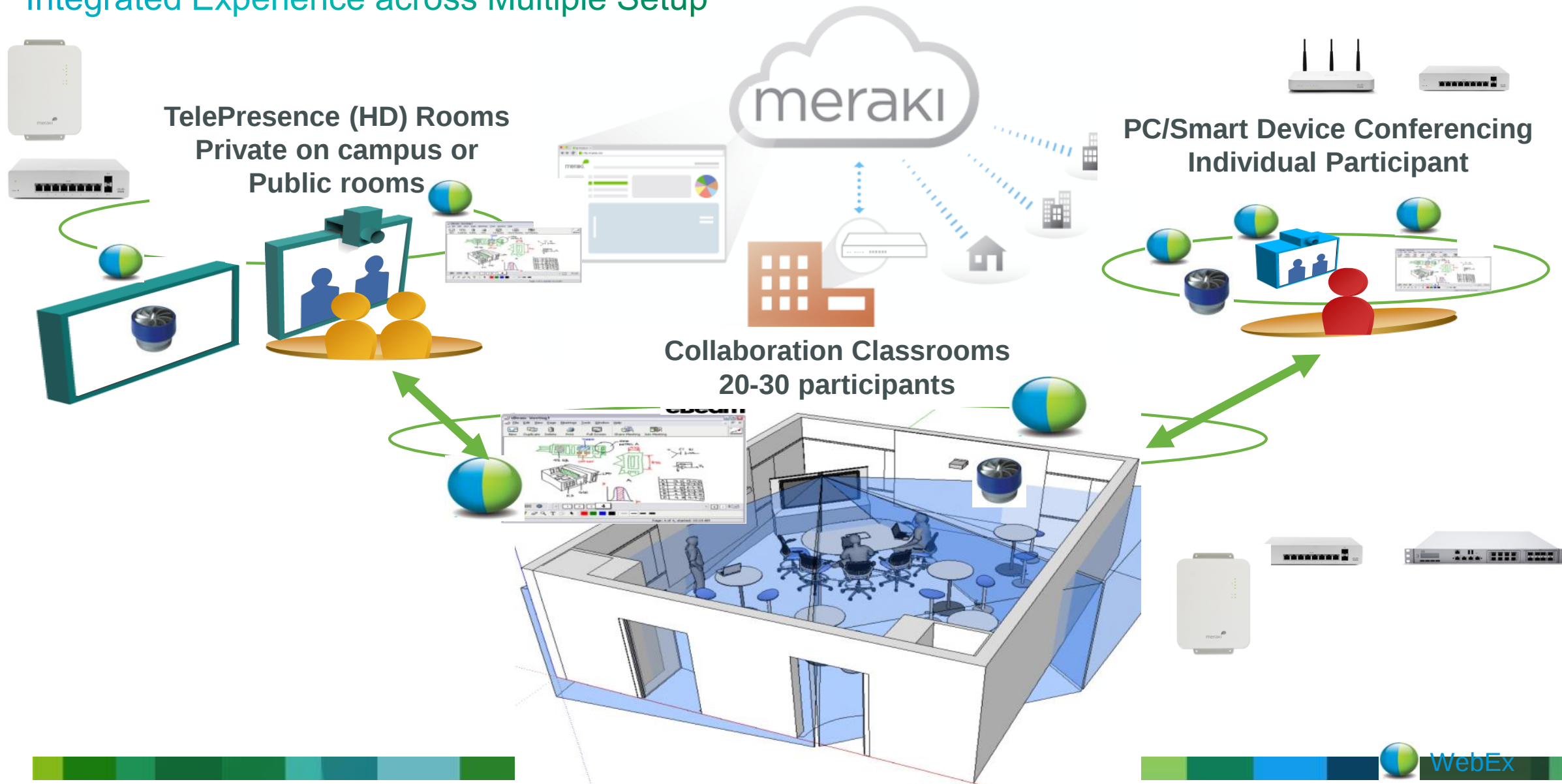
VM HW

Meraki Dashboard

- Network monitoring
- Zero-touch deploy
- Site-to-site VPN
- Network topology
- Location analytics
- L7 traffic analytics
- RF spectrum mgmt
- Air Marshal WIPS
- Guest portals
- MDM / EMM
- SM Sentry

Learning Space Design: Global Classroom

Integrated Experience across Multiple Setup



Fast IT: Three Key Principles

SIMPLE

Simplify your infrastructure and integrate across silos

SMART

Create intelligent capabilities and services that fuel growth

SECURE

Defend against attacks and mitigate threats dynamically



Meraki



MERAKI'S APPROACH



TEACHING AND
LEARNING
TECHNOLOGIES



Cisco Show and Share

Telepresence, Web Conferencing,
Social Media, Video Portal,
Transcription, Lecture Capture, Search
and Analytics

NETV

ONLINE AND DISTANCE LEARNING
(MERAKI Self – Provisioning
Networks)

LECTURE CAPTURE
FLIPPED CLASSROOM
(MERAKI Safe & Secure Learning
Environments)

MOBILE
LEARNING (MERAKI
Unify Management &
Control Devices)

COLLABORATIVE
LEARNING (MERAKI Remotely
Deploy SW, Contents &
Apps)

PROFESSIONAL
DEVELOPMENT
(Meraki SM:Meet Your
New Teacher's
Assistant)



ization,

NETWORK
FOUNDATION

Research and
Education Networks

Internet

PSTN

Cloud
Services



Switches, Routers,
Optical, Wireless

BLENDED, ONLINE AND DISTANCE
LEARNING

LECTURE CAPTURE
FLIPPED CLASSROOM

MOBILE
LEARNING

COLLABORATIVE
LEARNING

PROFESSIONAL
DEVELOPMENT

LEARNING EXPERIENCE

How can Meraki Help?

Cisco Meraki products have revolutionized distributed branch networking. Zero-touch deployments, multi-site visibility and control, and automated alerts make deploying, securing, and centrally managing branch networks a breeze.



The Cisco Meraki cloud-managed architecture enables plug and play branch deployments and provides centralized visibility and control across any number of distributed locations, networks are managed entirely through the Cisco Meraki web-based dashboard, configuration and diagnostics can be performed remotely just as easily as they can be performed on-site, eliminating costly field visits.

**BLENDED, ONLINE AND
DISTANCE LEARNING**

LECTURE CAPTURE
FLIPPED CLASSROOM

MOBILE
LEARNING

COLLABORATIVE
LEARNING

PROFESSIONAL
DEVELOPMENT



Meraki

How can Meraki Help ?

Cisco Meraki MX Security Appliances make school security easy to deploy and manage, without the need for separate filtering and cache appliances

- Content filtering with cloud-based signature updates
- Identity-based security, filtering, & application control
- Single-click Google and Bing SafeSearch integration
- YouTube for Schools ensures safe video-based learning



BLENDED, ONLINE AND DISTANCE
LEARNING

LECTURE CAPTURE
FLIPPED CLASSROOM

MOBILE
LEARNING

COLLABORATIVE
LEARNING

PROFESSIONAL
DEVELOPMENT



Meraki

How can Meraki Help?

Campus-wide Visibility & Control

Cisco Meraki's integrated Layer 7 traffic shaping classifies evasive and encrypted applications, including P2P. Throttle bandwidth hogs like Netflix and BitTorrent, block unwanted web traffic with CIPA-compliant content filtering, and even prioritize educational apps like video and Google Docs.

Centralized Device Management

Unify management and control of thousands of mobile and desktop devices in the secure, browser-based Meraki dashboard. Drive your organization's mobility initiatives by seamlessly onboarding new devices and automating application of security policies.



BLENDED, ONLINE AND DISTANCE
LEARNING

LECTURE CAPTURE
FLIPPED CLASSROOM

MOBILE
LEARNING

COLLABORATIVE
LEARNING

PROFESSIONAL
DEVELOPMENT



Meraki

How can Meraki Help?

- With Cisco Meraki, Networks Meet Devices for Provision, Monitor & Secure Collaborative Learning

Devices are provisioned based on group enrollment, security compliance, and geofence location. Automatically deliver apps, network, and security settings specific to each user , class room .

BLENDED, ONLINE AND DISTANCE
LEARNING

LECTURE CAPTURE
FLIPPED CLASSROOM

MOBILE
LEARNING

**COLLABORATIVE
LEARNING**

PROFESSIONAL
DEVELOPMENT



Meraki

How can Meraki Help?

Harness the enhanced feature set of Systems Manager Mobile Device Management in the education space. Features such as single app mode, role-based admin, tagging, Backpack, and AirPlay, SM can become your new teacher's assistant, and allow teachers to employ the power of IT without causing any harm to your network

The ability to roam seamlessly within a campus environment is fundamental to today's collaborative spaces. Wireless users expect to be able to use applications on-the-go, including latency-sensitive apps like voice and video.

BLENDED, ONLINE AND DISTANCE
LEARNING

FLIPPED
CLASSROOM

MOBILE
LEARNING

COLLABORATIVE
LEARNING

PROFESSIONAL
DEVELOPMENT



Meraki

Why?



Meraki



Cisco Meraki: 100% cloud-managed networking

Cisco Meraki: a complete cloud-managed networking solution

- Wireless, switching, security, and MDM, centrally managed over the web
- Built from the ground up for cloud management
- Integrated hardware, software, and cloud services

Leader in cloud-managed networking

- Tens of thousands of customers across all industries, over 100% annual growth
- Operating in the cloud since 2006

Recognized for innovation

- Gartner Magic Quadrant, InfoWorld Technology of the Year, CRN Coolest Technologies



Trusted by thousands of universities worldwide:



Why cloud managed networking?

The cloud increases IT efficiency

Manageability

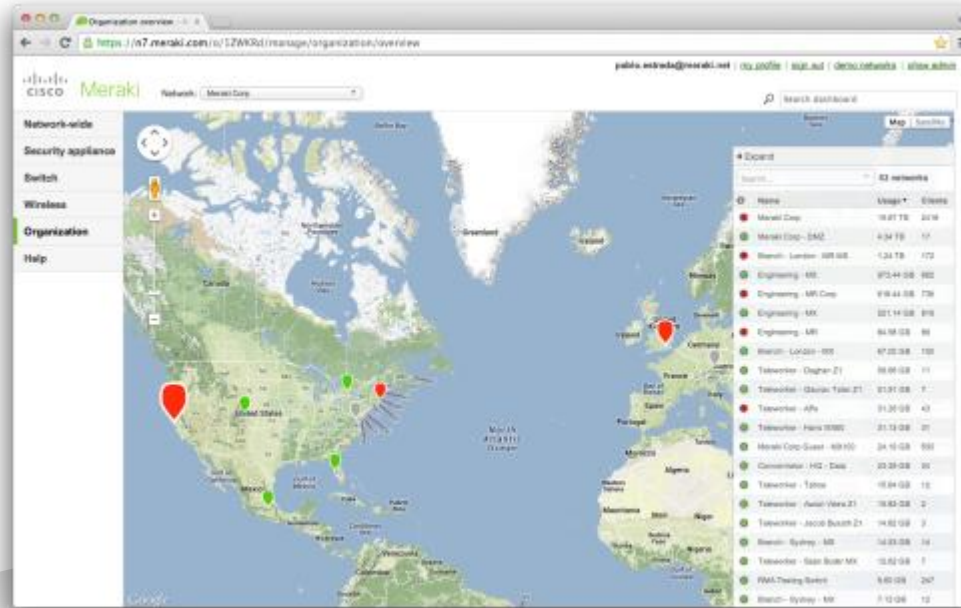
Scalability

Cost Savings

- Turnkey installation and management
- Integrated, always up to date features
- Scales from small branches to large networks
- Reduces operational costs



Bringing the cloud to enterprise networks



Cisco Meraki MR
Wireless LAN



Cisco Meraki MX
Security Appliances



Cisco Meraki MS
Ethernet Switches



Cisco Meraki SM
Mobile Device
Management

An integrated solution for new IT challenges



1 billion iOS & Android devices



Integrated mobile device management



HD video and rich media



Layer 7 application shaping



New business opportunities



Analytics and user engagement

A complete solution out of the-box:
No extra hardware, software, or complexity

Built for High-Density & BYOD Environments

Cisco Meraki's wireless networks automatically optimize and deliver superior performance in the highest density wireless environments and under intense interference conditions — without the bottlenecks of hardware controllers.

Wireless APs serve 100+ users each
Self-provisioning for rapid, campus-wide deployments
Scales to large districts with hundreds of campuses



Safe & Secure Learning Environments

Content filtering

These settings will apply to all clients that are not whitelisted.

Set identity-based policies by configuring this network to authenticate clients with [Active Directory](#).

Category filtering

Blocked website categories	Alcohol ✕ Pornography ✕
Web search filtering ⓘ	Enabled ⇅
Block encrypted search ⓘ	Enabled ⇅
YouTube for Schools ⓘ	Enabled ⇅
YouTube EDU ID ⓘ	VBnSdm17WYgWrv8Z-RPIUw

Cisco Meraki MX Security Appliances make school security easy to deploy and manage, without the need for separate filtering and cache appliances.

- Content filtering with cloud-based signature updates
- Identity-based security, filtering, & application control
- Single-click Google and Bing SafeSearch integration
- YouTube for Schools ensures safe video-based learning

Mobility Management for Schools

Unify management and control of thousands of iOS, Android, Mac, and PC devices in a secure, browser-based dashboard. Systems Manager is intuitive and requires no training or dedicated staff. It works on any vendor's network—even if the managed devices are on the road, in school, or used at home

Centrally manage mobile devices,
Macs, and PCs

Enforce restrictions & deploy
network settings

Remotely deploy software,
content, and apps

The ability to roam seamlessly within a campus environment is fundamental to today's collaborative spaces. Wireless users expect to be able to use applications on-the-go, including latency-sensitive apps like voice and video.



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Centralized Management without Controllers



Cloud-based management is easy to use, and provides complete visibility and control without training or dedicated staff, or the need for hardware appliances or overlay software. Configuration and diagnostics can be performed remotely just as easily as they can be performed on-site, reducing IT staff load and saving time.

Scalable, cost-effective Ethernet switches are ultra-reliable and easy to manage

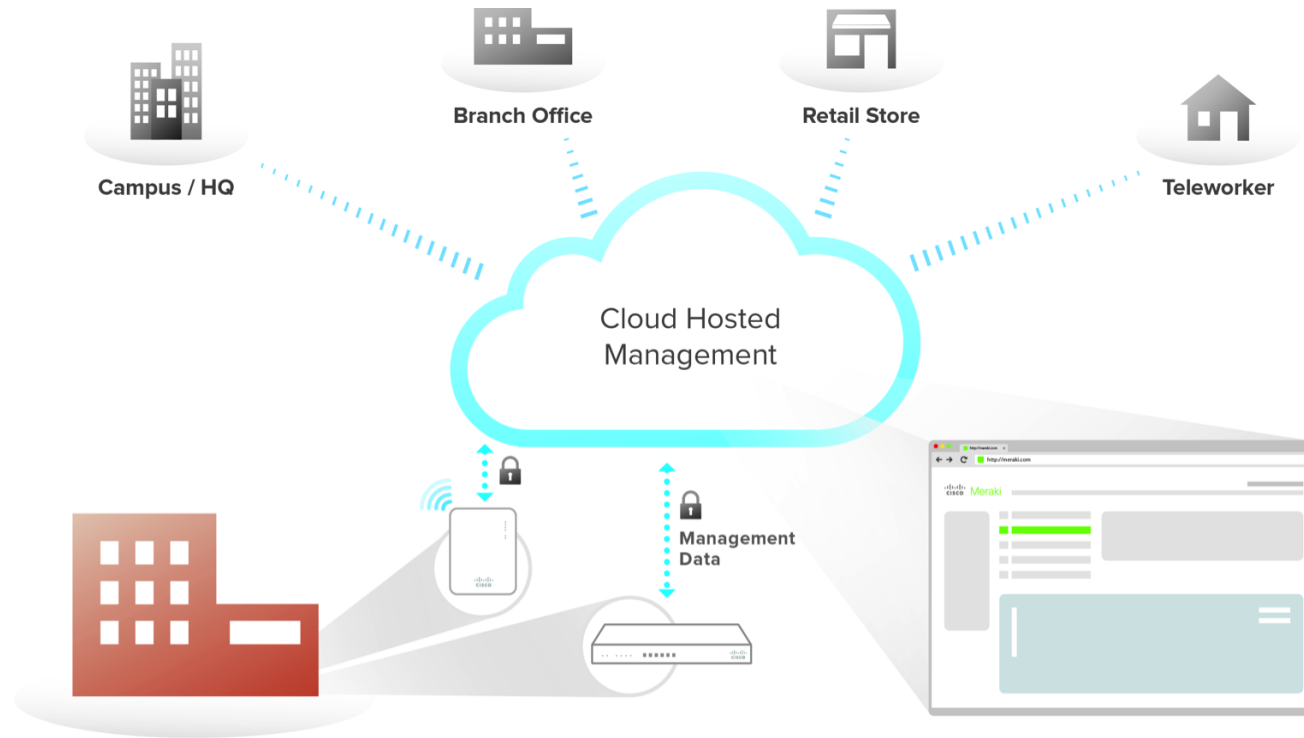
Feature-rich security appliances provide easy-to-manage content filtering and security

Cloud-based mobile device management enables secure, manageable iPad deployments

Cloud architecture

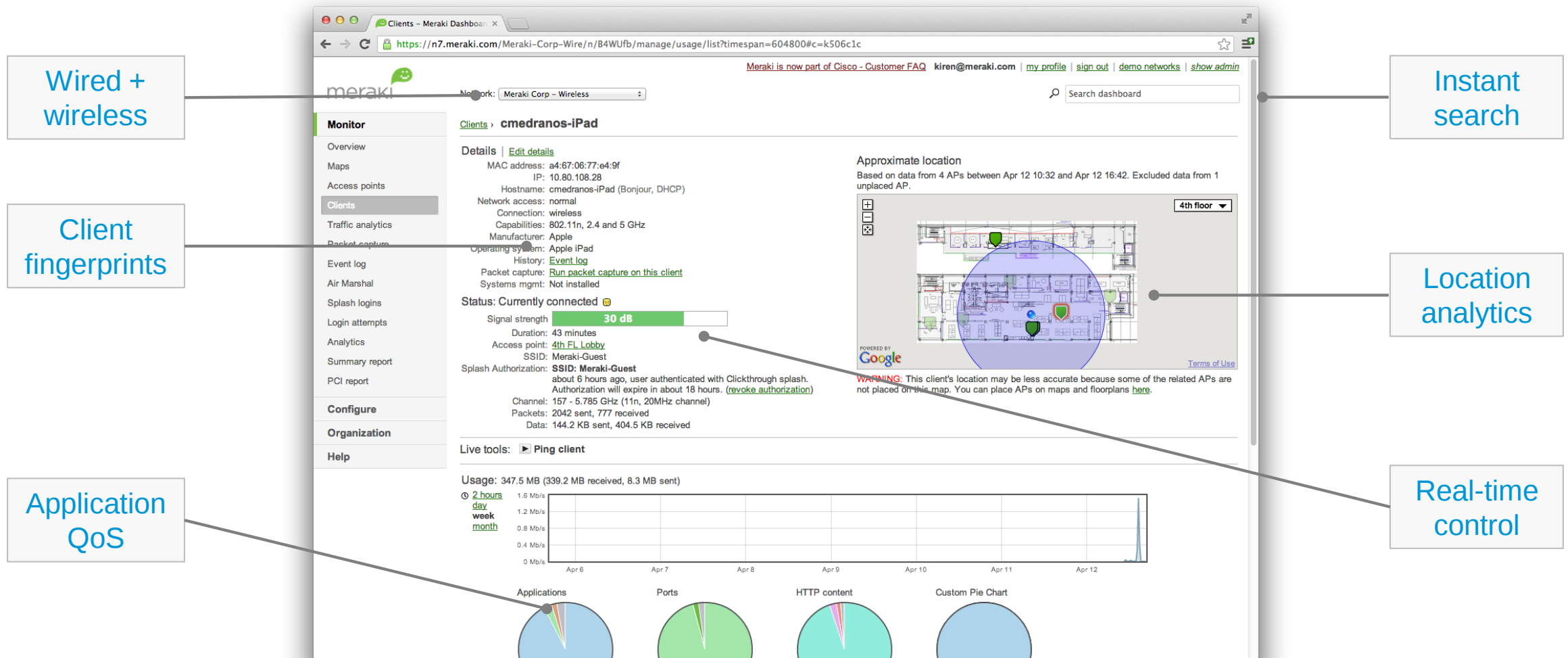


Secure, scalable architecture

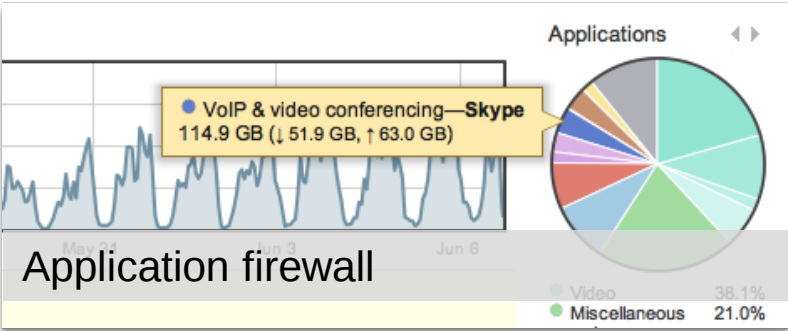
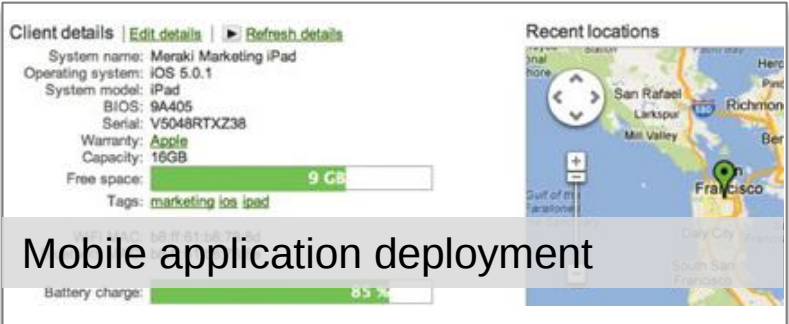
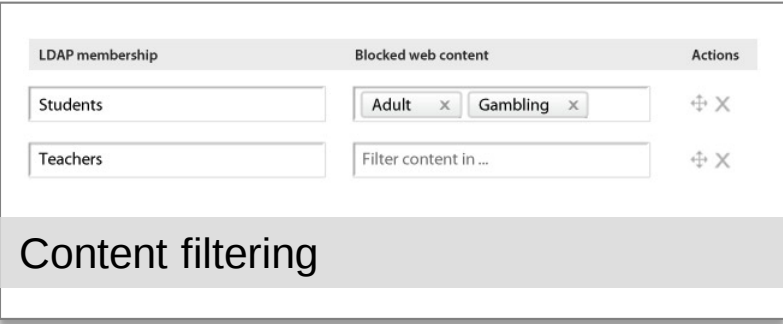
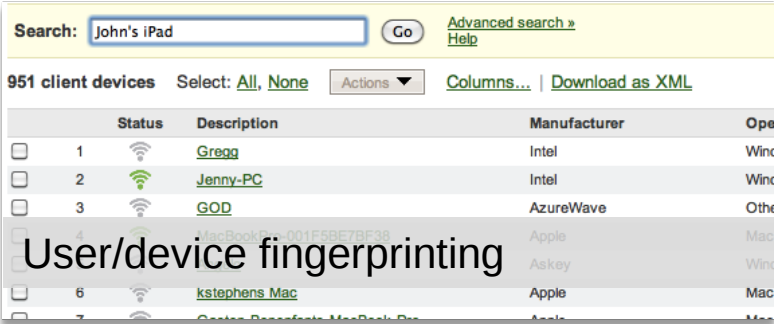


- **Secure out-of-band management:** No user traffic flows through the cloud
- **Reliable:** Network stays up if connection to cloud is lost
- **Scalable:** Supporting customers with thousands of sites, millions of clients
- **Future-proof:** New features delivered seamlessly from the cloud

Intuitive web-based dashboard

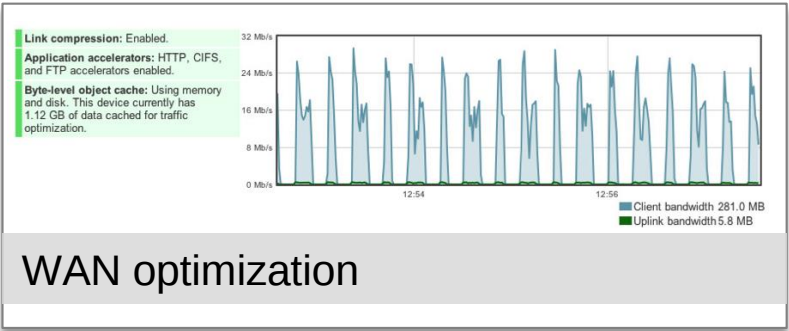


SaaS feature delivery, quarterly updates



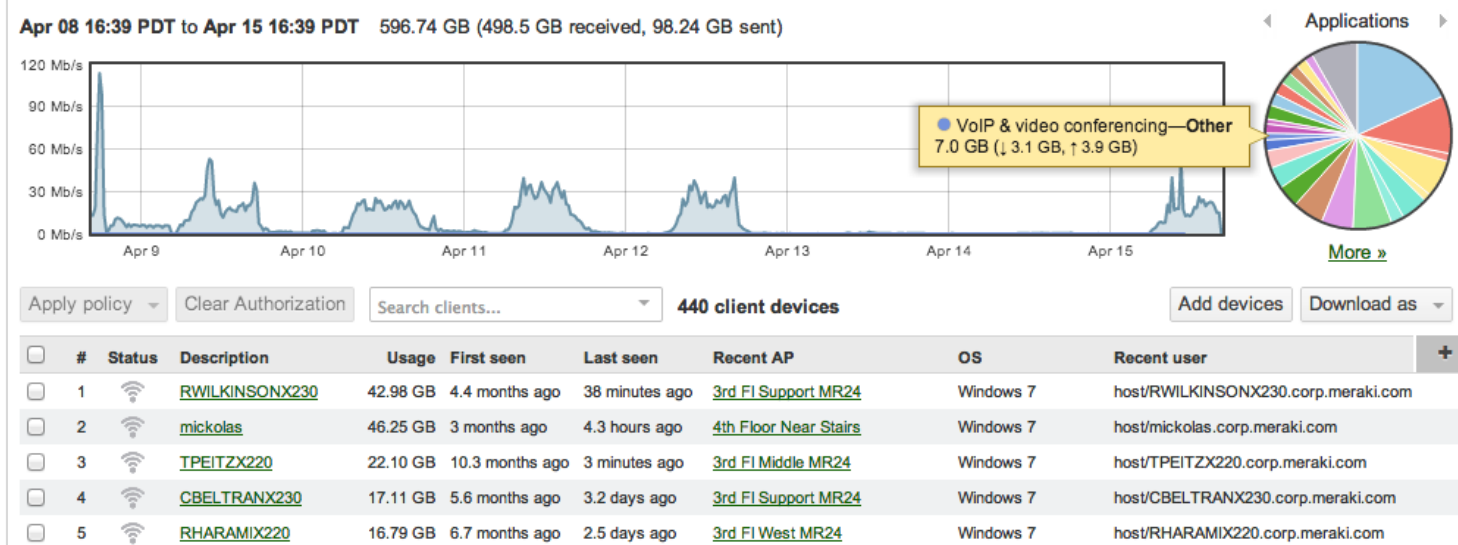
Date	Scan result	AV	Running	Client IP
May 15 17:34	Passed	Norton Internet Security	Yes	10.254.92.19
May 30 18:24	Passed	Norton Internet Security	Yes	10.254.92.19
May 27 09:07	Passed	McAfee VirusScan	Yes	10.74.112.40
May 27 09:07	Passed	McAfee VirusScan	Yes	10.74.112.40
May 27 09:07	Passed	McAfee VirusScan	Yes	10.74.112.40
May 16 09:03	Passed	McAfee VirusScan	Yes	10.247.49.95
May 16 09:03	Passed	McAfee VirusScan	Yes	10.247.49.95
May 12 10:58	Passed	Microsoft Security Essentials - 2.1.6805.0	Yes	10.123.104.174

Network access control



Solution highlights

High capacity edge networks



RF optimization and application-aware QoS for high-throughput, high-density WLAN

Layer 7 application traffic shaping

Throttle, block, or prioritize application traffic with DPI-based fingerprinting; set user and group-based shaping rules

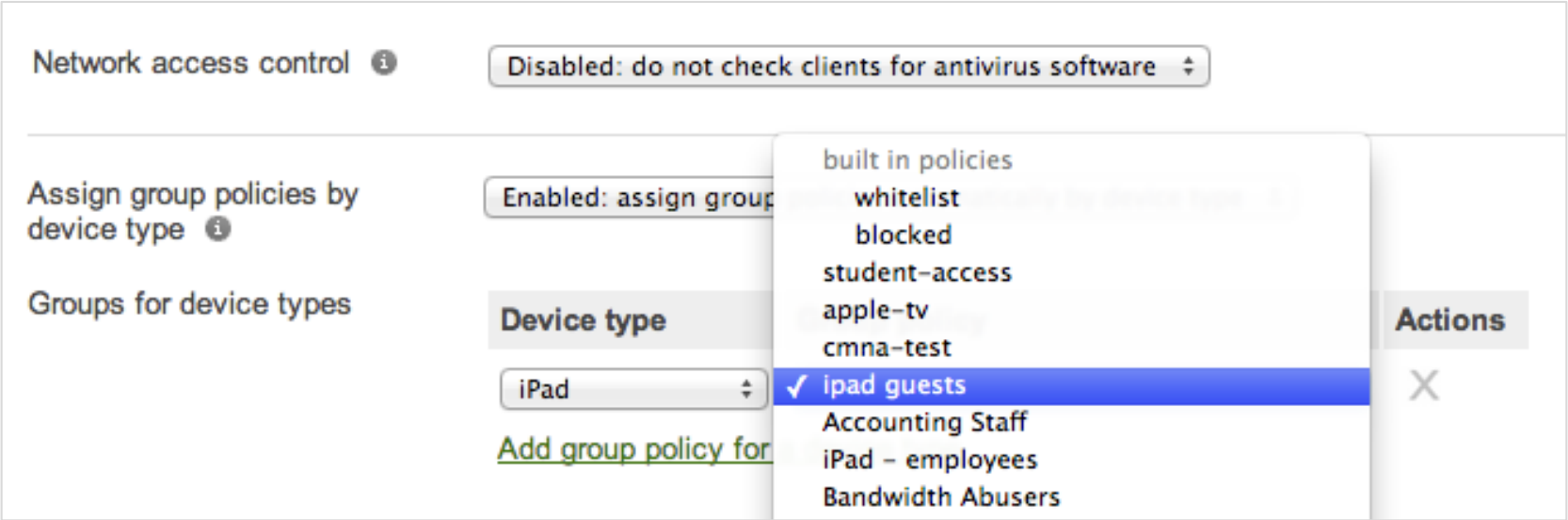
Cloud-base RF optimization

Dynamically avoid interference, optimizing channel selection and power levels

Density-optimized WLAN

RF platform tuned for airtime fairness and performance in dense performance-critical environments

Bring your own device (BYOD)



The screenshot shows a network management interface with the following elements:

- Network access control**: A dropdown menu is open, showing options: "Disabled: do not check clients for antivirus software", "Enabled: assign group policy", "built in policies", "whitelist", "blocked", "student-access", "apple-tv", "cmna-test", "✓ ipad guests" (highlighted), "Accounting Staff", "iPad - employees", and "Bandwidth Abusers".
- Assign group policies by device type**: A section with a dropdown menu set to "iPad".
- Groups for device types**: A section with a link "Add group policy for".
- Actions**: A button with a close icon (X).

Out-of-the-box security, management, and capacity for BYOD-ready deployments

Device-aware security

Device-aware firewall and access control; Antivirus scan; LAN isolation; Bonjour Gateway; Content and security filtering

Integrated MDM

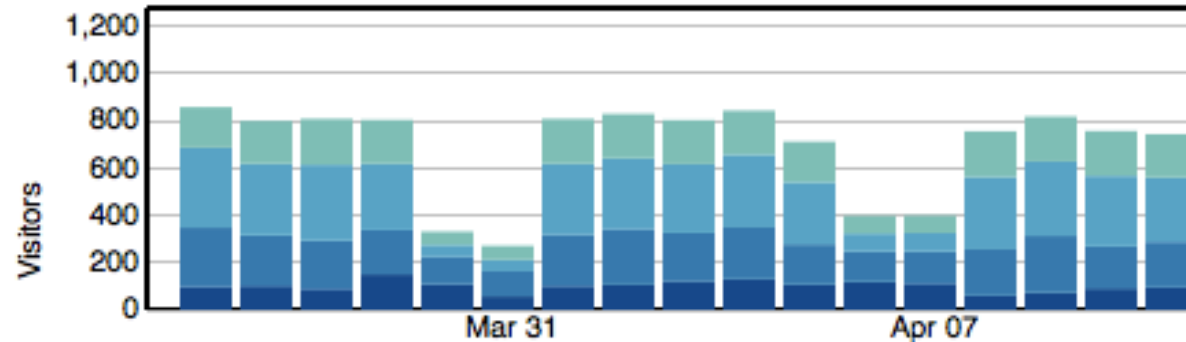
Enforce encryption, passcodes, and device restrictions; Deploy enterprise applications; Remotely lock or wipe devices

Simplified onboarding

Flexible authentication with AD integration, SMS authentication, hosted splash pages, and automatic MDM enrollment

User analytics and engagement

Repeat rate Today **75.06%**
Repeat visitors 596
New visitors 198



Built-in location analytics dashboard

Optimize marketing and business operations

Analyze capture rate, dwell time, and new / repeat visitors to measure advertising, promotions, site utilization, etc.

Built-in analytics

Integrated into WLAN, no extra sensors, appliances, or software

Extensible API

Integrate location data with CRM, loyalty programs, and custom applications for targeted real-time offers

Flexible authentication and access control

☐ Click-through

Users must view and acknowledge your splash page before being allowed on the network

☒ Sign-on with Facebook Wi-Fi

Require users to check in to your Facebook Page before gaining access to your network i
Configure Facebook settings [here](#).

☐ Sign-on with SMS Authentication BETA

Users enter a mobile phone number and receive an authorization code via SMS.

*Flexible built-in
authentication
mechanisms*

Flexible authentication

Secure 802.1x and Active Directory authentication; Facebook Authentication for branding and targeted social marketing; SMS self-service authentication, Lobby Ambassador, and hosted sign-on splash pages

Dynamic access control

Assign clients layer 3-7 firewall rules, VLANs, and application-aware quality of service by identity, group, location, or device type

Simplified enterprise security

Air Marshal

Scanning APs ⓘ **4 APs** in dedicated Air Marshal mode.

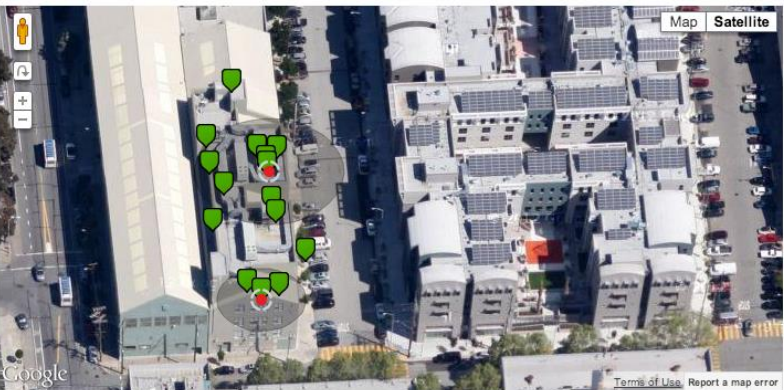
LAN containment ⓘ

Keyword containment ⓘ
One keyword per line.

Off-channel scans ⓘ

Mandatory scan schedule ☐ S ☒ M ☒ T ☒ W ☒ T ☒ F ☒ S

or .



26 Rogue SSIDs | [439 Other SSIDs](#) | [5 Spoofs](#) | [0 Malicious broadcasts](#) | [212 Packet floods](#)

Containment ⓘ ▲	SSID	Last seen ⓘ	First seen	# APs	Rogue because	Seen by	Broadcast MACs	+
uncontained	63 hidden SSIDs	Apr 16 18:22	Aug 24 05:57	63	Seen on LAN	4th FL Sales1 (74 dB) 21 more »	12:18:0a:31:87:50 62 more »	
uncontained ▼	SG3 FoxFi	Apr 10 00:04	Mar 20 07:09	1	Seen on LAN	4th Floor Near Stairs (34 dB) 1 more »	5c:0a:5b:5f:a4:0f	
uncontained ▼	Daghan Altas's iPhone	Apr 12 08:21	Apr 12 08:21	1	Seen on LAN	Air Marshal - 2nd Floor 1 more »	66:a3:cb:84:ad:bd	
uncontained ▼	Maski Test	Apr 10 04:00	Mar 20 10:55	1	Seen on LAN	2nd FL Guest MD34 (8 dB)	40:10:0a:37:00:04	

*Enterprise-class security features
for security-conscious
environments*

Air Marshal WIDS/WIPS

Detect wireless attacks; contain rogue APs; cloud-based alerting and diagnostics

User and device aware security

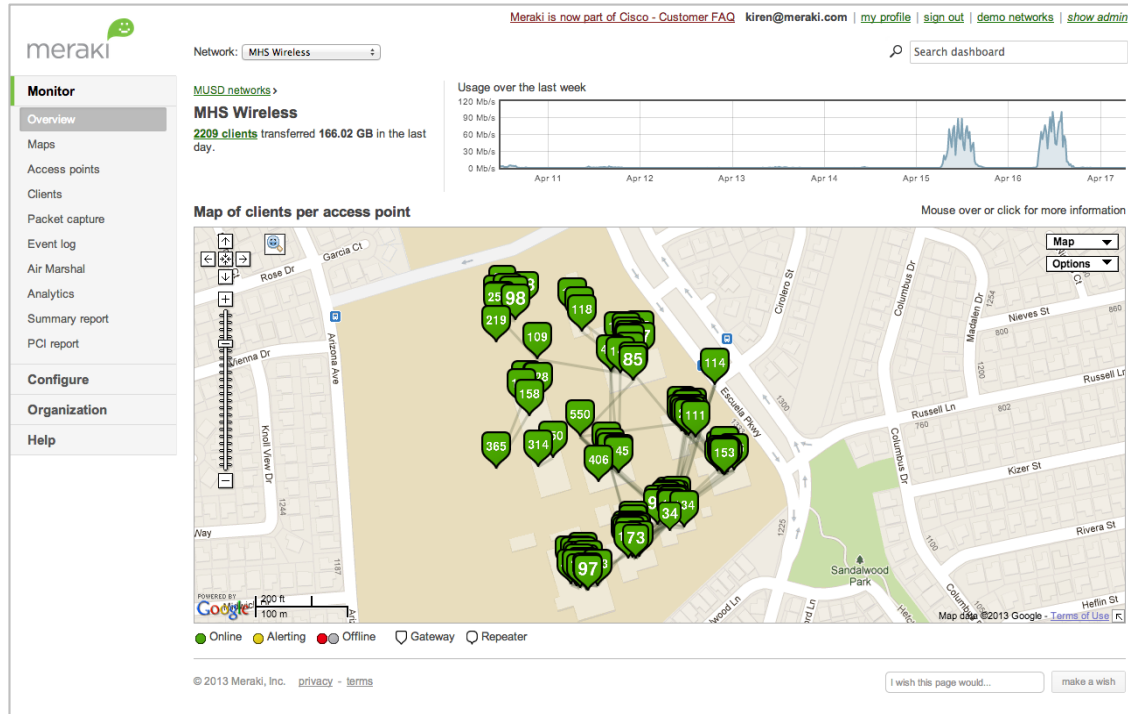
User, device, and group-based firewall rules (layer 3-7) with Active Directory integration

Complete NG firewall and content security

Application firewall; content filtering matching 1B+ URLs; antivirus / antimalware filtering; Google safe-search

Case studies

Case study: Milpitas Unified School District



valued · challenged · successful

- California school district with 14 schools, 10,000 students
- Deployed cloud-managed firewall, 500 wireless APs (indoor + outdoor), and 100 Ethernet switches
- Enabled 1:1 Google Chromebook deployment and BYOD policy
- Application visibility and control optimizes bandwidth across 10k+ clients

“The Dashboard, the traffic shaping, and the MDM were real advantages. We can see the traffic and devices on the fly.”

Chin Song, Director of Technology, Milpitas Unified School District





"Our technology standards are pretty high here at MIT, so we were impressed when we saw how much information we were getting from Meraki about our wireless network. No other wireless LAN solution provides this kind of information. Meraki has the feature set, and they have a system that's really intuitive and easy to manage. It's a great experience for both wireless users and IT administrators."

Jack Costanza, Associate Director for Infrastructure
Computer Science and Artificial Intelligence Laboratory (CSAIL)
Massachusetts Institute of Technology

"We have people who work in the building and have wireless devices that must work all the time. Having a wireless network just work is kind of refreshing."

Miles Davis, Director of Computer Services
Stanford University

STANFORD
UNIVERSITY



"Meraki is unique in bringing the benefits of cloud computing to wireless networking. As a result, we will be able to move entirely to 802.11n and become one of the first colleges in the country to do so. With Meraki's Enterprise Cloud Controller, our deployment time will be cut in half and we can manage the entire network without adding new IT staff."

Reed Sheard, VP and CIO
Westmont College

"Existing and prospective Sweet Briar students considered high performance WiFi an essential part of the college experience. With Meraki's compelling pricing we were able to increase coverage by 50% versus our other alternatives while using 802.11n access points. Without Meraki it would have been cost prohibitive to upgrade to 802.11n while building a campus wide network."

Aaron Mahler, Director, Network Services
Sweet Briar College



"Nobody could offer us anything as fast for anything close to [Meraki's] price. [Meraki's] access points were very attractively priced, but what really sold us was the Dashboard. The wireless switch interface is hosted by Meraki, and no one else had anything remotely like that."

George Zlatanov, Sr. Network Infrastructure Engineer
Alliant International University

"Even if it had worked, we didn't have the budget to roll out an entire Cisco mesh solution. [With Meraki], it worked right away, which was kind of unusual. We put access ports up and connected them to the fiber and usage just exploded."

Howard Henderson, Director of IT
Oklahoma Panhandle State University



"We looked at Nortel, but it was too expensive and required us having servers. We just weren't interested. With them it would have cost thousands and thousands of dollars, and it just wasn't an option. As soon as we deployed [the Meraki devices], they came up and worked as advertised. And it didn't take much labor on our part. That was unique. That's what sold it."

William Kirk, Director of Technology & Information Services
Warner Pacific College

Product Families



MR wireless access points



Feature highlights

BYOD policies

Application traffic shaping

Guest access

Enterprise security

WIDS / WIPS

Mesh routing

6 models including indoor/outdoor, high performance (802.11ac) and value-priced
Enterprise-class silicon including PoE, voice/video optimization
Lifetime warranty on indoor APs

MX security appliances



Feature highlights

Zero-touch site-to-site VPN

WAN optimization

NG firewall

Content filtering

WAN link bonding

Intrusion detection/prevention

6 models scaling from small branch to large campus

Complete networking and security in a single appliance

MX security appliances



Feature highlights

Zero-touch site to site VPN

WAN optimization

NG firewall

Content filtering

WAN link bonding

Intrusion detection/prevention

6 models scaling from small branch to campus / datacenter

Complete networking and security in a single appliance

MS access & aggregation switches



Feature highlights

Voice and video QoS

Layer 7 app visibility

Virtual stacking

PoE / PoE + on all ports

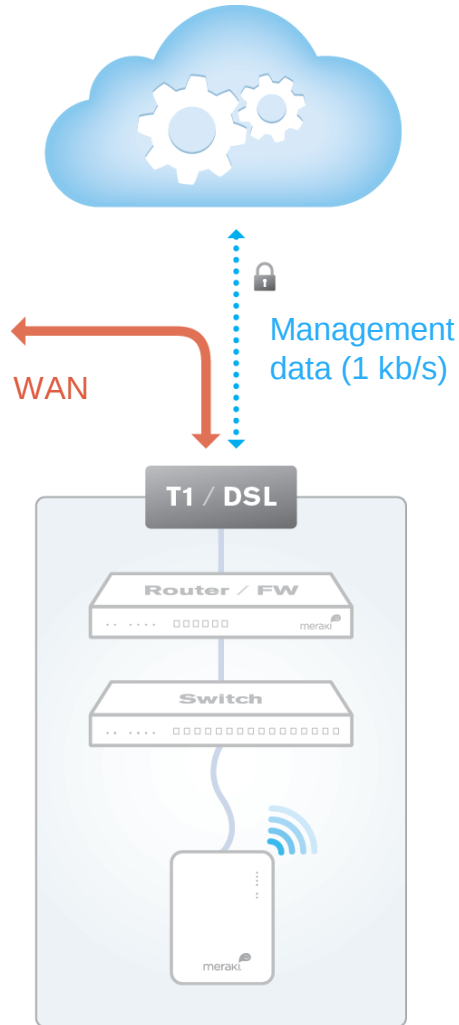
Remote packet capture,
cable testing

Gigabit access switches in 8, 24, and 48 port configurations, PoE available on all ports

10 Gigabit SFP+ aggregation switches in 24 and 48 port configurations

Enterprise-class performance and reliability including non-blocking performance, voice/video QoS, and a lifetime warranty

Out of band cloud management in every product



Scalable

- Unlimited throughput, no bottlenecks
- Add devices or sites in minutes

Reliable

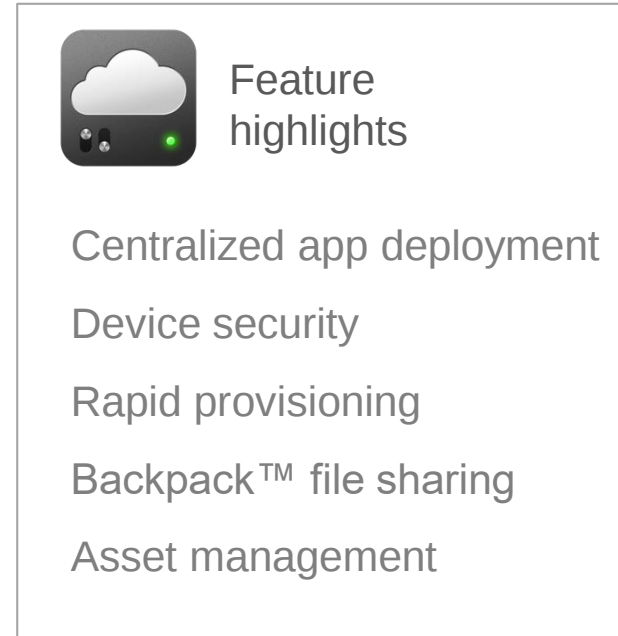
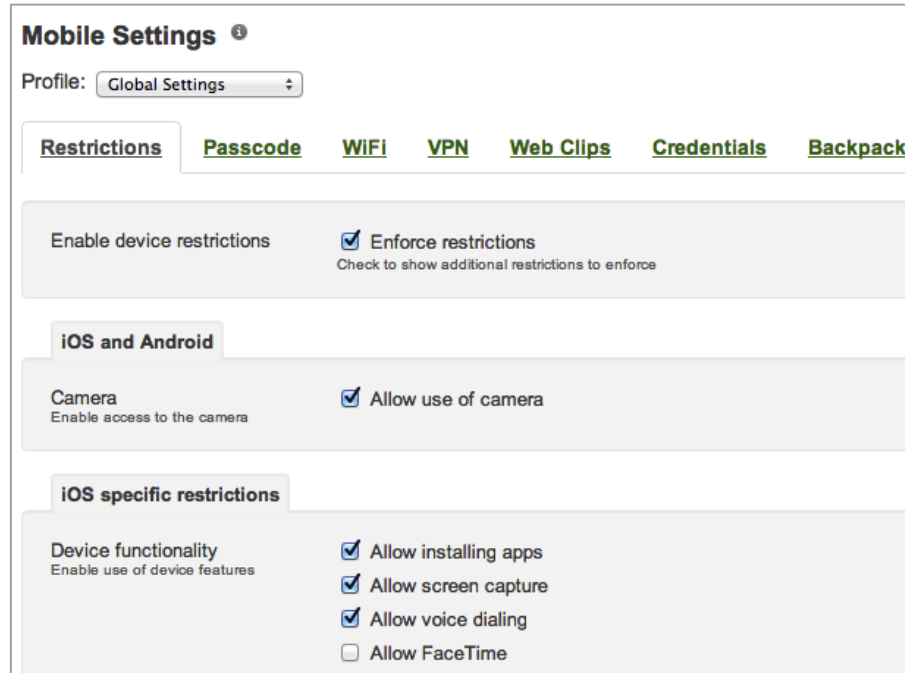
- Highly available cloud with multiple datacenters
- Network functions even if connection to cloud is interrupted
- 99.99% uptime SLA

Secure

- No user traffic passes through cloud
- Fully HIPAA / PCI compliant (level 1 certified)
- 3rd party security audits, daily penetration testing
- Automatic firmware and security updates (user-scheduled)

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

Systems Manager MDM



Device Management controls iOS, Android, Mac, and Windows devices

Cloud-based: no on-site appliances or software, works with any vendor's network

Free: available at no cost to any organization, sign up at meraki.cisco.com/sm

Try Cisco Meraki for free

- Try Meraki on your network
- Sets up in 15 minutes
- Technical support available at no cost



Free trials available at meraki.cisco.com/eval