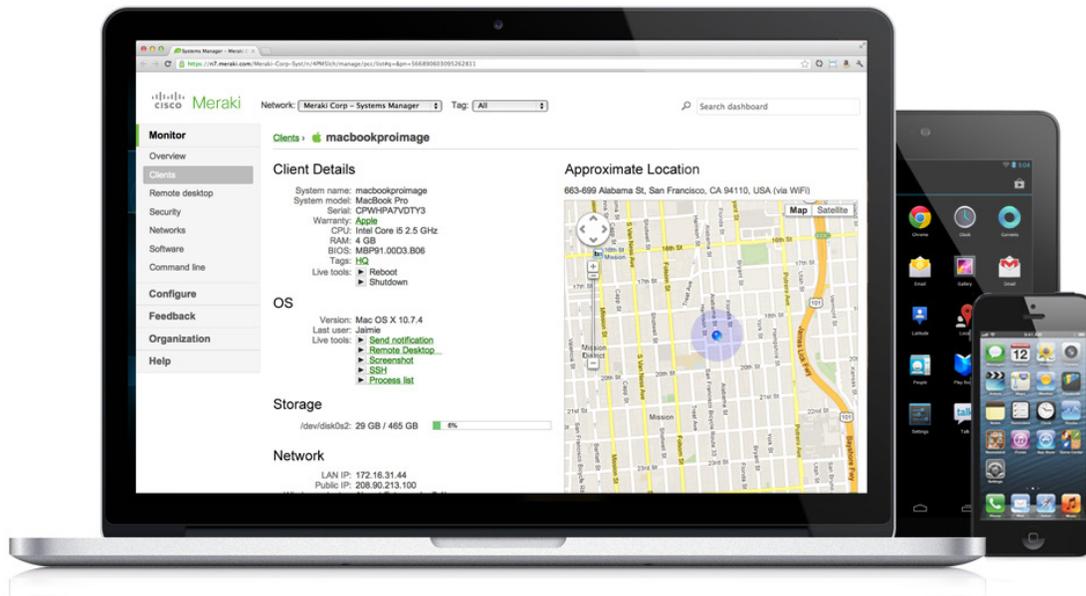


Systems Manager

Cloud Based Mobile Device Management



Overview

Meraki Systems Manager provides cloud-based over-the-air centralized management, diagnostics, and monitoring of the mobile devices managed by your organization. Manage distributed deployments of iOS, Android, Macs, and PCs with Systems Manager — without an on-site appliance. Managed devices connect securely to Meraki’s cloud, enabling you to locate devices, deploy software and apps, deliver content, enforce security policies, and monitor all your devices through an intuitive and powerful web-based dashboard.

Meraki’s cloud architecture provides the industry’s only end-to-end solution which unifies WAN, LAN, wireless LAN, and mobile devices management under a single dashboard. Gain complete visibility and control from the top of the network to the edge using MX Security Appliances, MS Switches, and MR Wireless LAN, to the client devices on the network with Systems Manager. The intuitiveness of the dashboard enables IT professionals to configure and deploy in just minutes, without specialized training or dedicated staff.

Centralized Cloud Management

Meraki’s award-winning cloud management architecture centralized visibility and management while eliminating the cost and complexity of on-premise servers and software. Seamlessly manage and control thousands of iOS and Android devices, Macs, and PCs via Meraki’s secure, browser-based dashboard. After enrollment into Systems Manager, managed devices automatically pull security policies and settings from the cloud. Systems Manager works on any network — even if the devices you are managing are on the road, at a café, or used at home. New features, updates, and enhancements are delivered effortlessly to the dashboard from the cloud.

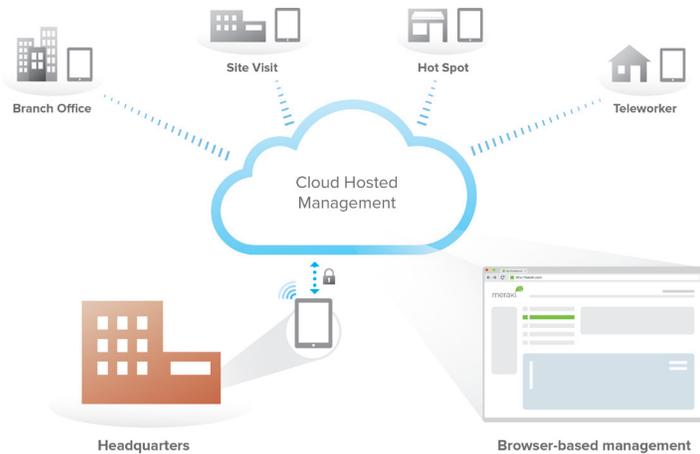
Unified Multi-Platform Device Management

Systems Manager provides a unified view and management of all your devices. Administrators can find, monitor, troubleshoot, manage software inventory, and deploy software or apps across mobile devices, laptops, and desktops. Systems Manager supports a variety of Apple iOS, Android, Mac, and Windows platforms:

- Apple iPad, iPod Touch, and iPhone (iOS 4 or higher)
- Android (2.2 or higher), including Amazon’s Kindle Fire
- Mac OS X (10.5, 10.6, 10.7, 10.8)
- Windows 7, Vista, XP (Service Pack 3 or higher), Server 2008

Status	User	Name ▲	Model	Connectivity	Last connected	Tags	Location	SSID	Signal (dB)
	kyle.vantosky	2X220	ThinkPad X220		Aug 16 15:06	HQ support	663-699 Alabama St, San Francisco, CA 94110, USA	Meraki-Corp	42
	meraki	3fl Sales Display	Mac mini		Aug 03 13:15	displays	663-699 Alabama St, San Francisco, CA 94110, USA	Meraki-Guest	26
	allegra.bajkowski	ABAJKOWSKI220	ThinkPad X220		now	HQ Sales	655 Alabama St, San Francisco, CA 94110, USA	Meraki-Corp	33
	andrew.barrientos	ABARRIENTOSX220	ThinkPad X220		now	HQ Sales	663-699 Alabama St, San Francisco, CA 94110, USA	Meraki-Corp	45
	adam.cooper	ACOOPEX220	ThinkPad X220		now	HQ Sales	655 Alabama St, San Francisco, CA 94110, USA	Meraki-Corp	50
	Emilie	ADISPOX201	ThinkPad X201		Aug 16 14:37	HQ marketing	660 Alabama St, San Francisco, CA 94110, USA	Meraki-Corp	50
	ariel.edelson	AEDELSONX220	ThinkPad X220		now	HQ marketing	655 Alabama St, San Francisco, CA 94110, USA	Meraki-Corp	28
	adam.goldman	AGOLDMANMBA	MacBook Air		Jul 26 17:21	HQ marketing	222 Mason St, San Francisco, CA 94102, USA	Meraki-Corp	47
	Austin.Guzman	AGUZMANX220	ThinkPad X220		now	HQ support	663-699 Alabama St, San Francisco, CA 94110, USA	Meraki-Corp	37

VISIBILITY INTO MANAGED DEVICES



MERAKI CLOUD MANAGEMENT ARCHITECTURE

Content ratings
Control access to apps and media

Allow explicit music and podcasts

Ratings region
Sets the region for the ratings

United States ▾

Allowed content ratings
Sets the maximum allowed ratings

Movies: PG ▾

TV Shows: TV-PG ▾

Apps: 9+ ▾

FINE-GRAINED DEVICE RESTRICTIONS

Rapid Deployment and Scalability

Meraki's cloud management platform enables mobile device initiatives to quickly scale to deployments of massive scale. Systems Manager manages iOS and Android devices by applying profiles. Enroll via a web-based self-enrollment process directly on the mobile device, by installing a downloadable app from an app store, or by sending enrollment invitations to mobile devices over email or SMS, facilitating 1-to-1 projects and BYOD initiatives. Systems Manager also integrates with Apple Configurator and iPhone Configuration Utility.

For Macs and Windows devices, Systems Manager is deployed on individual machines via a lightweight installer. Deploy over the network using Active Directory's GPO to rapidly enroll all the devices in your Windows domain networks.

Once enrolled, each device downloads its configuration via Meraki's cloud, applying device restrictions, network and security policies automatically — eliminating manual device provisioning.

Administration and Management

Systems Manager is designed to help you keep your managed devices abreast with the latest user demands and organization requirements, while lowering the burden on the IT team. Deploy policies and changes, seamlessly from the cloud, across thousands of devices at once.

Deploy Apps and Software

Systems Manager lets you install software to any number of PCs and Macs in your network. Upload MSI files for PCs or PKG files for Macs, select the machines, and fire off the installer. If a PC or Mac is unavailable, the software will be installed the next time it comes online.

For iOS devices, Systems Manager is integrated with the Apple App Store and Apple's Volume Purchase Program. Google Play and the Amazon Appstore are supported on Android devices. Additionally Enterprise Apps are supported on both iOS and Android. Whether you're providing apps to ten users or thousands, Systems Manager makes it easy to distribute apps to any number of devices.



GLOBAL MANAGEMENT

Add a new App: **Country:**

iPad Apps

Title	Vendor	Version	Category	Description	Price
iA Writer	Information Architects Inc.	1.6	Productivity	★ \$1 FOR 2 APPS—IT'S A STEAL! ★ ★ The quintessential writing system for your iPad and iPhone. ★ iA Writer makes sure that your thought goes into the...	\$0.99 <input type="button" value="Add"/>
1a Easy Writer	Infovole e.K.	1.3.1	Productivity	★ GREAT OFFER: Word-2-Text for iPad & iPhone. Opens Word-documents in Easy Writer and any other app. Get it now! ★ Easy Writer - the power of simplic...	\$0.99 <input type="button" value="Add"/>
Text Writer	Tal Bereznitskey	1.2	Productivity	★ A Better Text-Editor A stronger, easier, better text-editor for your iPad, iPhone and iPod touch. ★ Arrow Keys Writing and editing is fast again ...	\$0.99 <input type="button" value="Add"/>
PaperHelper - Easiest Ess...	Iman Basta	6.1	Education	RICH TEXT EDITOR COMING WITHIN THE NEXT COUPLE OF WEEKS! STAY TUNED AND LEAVE US REVIEWS TO KEEP US MOTIVATED!! Writing essays just got simpler! With...	\$1.99 <input type="button" value="Add"/>
Clean Writer	Brie I. Alexandru-Horia "Informatica" Persoana Fizica Autorizata	2.2	Productivity	Become more creative with the refreshing distraction-free plain text editor that boosts inspiration and fights writer's block by hiding away extra opt...	\$0.99 <input type="button" value="Add"/>

iPhone Apps

Title	Vendor	Version	Category	Description	Price
iA Writer	Information Architects Inc.	1.6	Productivity	★ \$1 FOR 2 APPS—IT'S A STEAL! ★ ★ The quintessential writing system for your iPad and iPhone. ★ iA Writer makes sure that your thought goes into the...	\$0.99 <input type="button" value="Add"/>
Light Writer - Photograph...	Jason Laan	1.0	Entertainment	** WEEKEND SALE -- TOTALLY FREE ** ...oh what the heck, now free until may 28th While you can use this to show messages to people directly it works...	\$0.99 <input type="button" value="Add"/>
The Amazing Type-Writer	Doormouse Mfg.	1.0.2	Lifestyle	A type-writer of finest manufacture, at a special introductory price! - Record your thoughts & textual doodles for posterity on high-quality cardstoc...	\$1.99 <input type="button" value="Add"/>

APP STORE INTEGRATION

Exchange Active Sync

Enable provisioning of email accounts and mail settings including encryption and stored mail history duration on enrolled Apple iOS devices.

Deploy Security Policies and Restrictions

Protect mobile devices and their data with customizable security policies. Deploy fine-grained passcode policies to secure devices and define the number of passcode entry attempts before all data on device is erased.

Enforce device restrictions to control usage of mobile devices. Disable FaceTime, the App Store, and control gaming and media content consumption by content rating. Restrict access to iCloud services to disallow backup of sensitive information to Apple's infrastructure. Increase security by forcing Android devices to encrypt their storage.

SSID x Corp-WiFi

Auto join
Automatically join the target network

Hidden network
Enable if the target network is not open or broadcasting

Proxy setup None

Security WPA/WPA2 Enterprise

Enterprise Settings

Protocols **Authentication** Trust

Accepted EAP Types
Authentication protocols supported on target network

TLS LEAP EAP-FAST

TTLS PEAP EAP-SIM

EAP-FAST
Configuration of Protected Access Credential (PAC)

Use PAC

Provision PAC

Provision PAC Anonymously

Inner Authentication
Authentication protocol (for use only with TTLS)

MSCHAPv2

DEPLOY WIFI SETTINGS

Network Integration

Meraki integrates network access control (NAC) and WiFi settings deployment into Systems Manager to enable connectivity to managed devices while protecting the network.

Systems Manager Sentry

Integration with Meraki access points (MR series) enables network administrators to only allow devices managed with Systems Manager to access the network. Without Systems Manager, unmanaged devices are first sent to a splash page to install Systems Manager before gaining access to the wireless network, and VPN.

Deploy WiFi Settings

Configure WiFi settings for all Android, iOS, and OS X machines at once. Define and deploy settings for each SSID, its proxy setup and security standards, including WPA2 PSK and WPA2 Enterprise.

Visibility, Diagnostics, and Control

Systems Manager starts to monitor your managed devices as soon as they enroll into your network. Policies continue to be applied to devices anywhere in the world, even if they lose internet connectivity. Live diagnostics tools help with troubleshooting and daily administration tasks. Use Systems Manager's visibility of devices, users, software and applications on your network then take action against unwanted usage with powerful control features right from the dashboard.

Asset Management

Systems Manager gathers available information from the device's WiFi connection, IP address, and GPS to provide a device's physical location, down to street-level accuracy. Privacy controls are available to turn off location reporting of sensitive devices.

Systems Manager provides built-in software inventory management, simplifying software license management, even in multiplatform environments. See all software installed on managed computers and apps installed on mobile devices. Alternatively, type the name of a particular application in a Google-like search bar to search through a comprehensive list of installed software across managed devices. Easily identify devices running outdated software, track down compliance or licensing issues, or uninstall unauthorized software right from the dashboard.

Manage hardware inventory using Systems Manager's built-in cataloging of machines by CPU type and speed, system model, or operating system build. Systems Manager also tracks wireless adapter details, including make, model and driver version, helping track down connectivity issues.

Live Troubleshooting and Diagnostics

Systems Manager provides a suite of real-time diagnostic tools. Initiate remote desktop, take a screenshot, see the current process list, and remotely reboot or shutdown Macs and PCs. In the case of remote desktop access, Systems Manager automatically configures a VNC server and establishes a secure end-to-end tunnel back to the dashboard. This enables complete remote systems management, even in complex network environments with multiple firewalls or NAT gateways.

Manage daily requests for iOS and Android devices, like remotely clearing the device's passcode, locking the device, and even erasing all the data on a device in the event that the device is compromised. Monitor device statistics like battery charge and device memory usage instantaneously from the dashboard.

Software inventory

Torrent

Application	Installs	Versions
BitTorrent	1	1
uTorrent	8	5

Application details
Name: uTorrent
Vendor:

Version: 1.6.4

Client: [totoro](#)
OS: OS X 10.8 (12A269)
Installed on: October 22, 2008

SOFTWARE INVENTORY AND MANAGEMENT

Alerts

Software alerts

Enabled alerts 3 Send a nightly email alert if:

- Software is installed matching the following expression:

Outage alerts

Enabled alerts 3 Send an email alert if:

- A client with tag goes offline for more than minutes

Mobile device management

Enabled alerts Send an email alert if:

- Meraki Management profile is removed

EMAIL ALERTS

Security Monitoring for At-Risk Clients

Systems Manager continuously monitors Windows clients to ensure that antivirus and antispyware software is installed and running. This feature recognizes dozens of the most commonly used security products and is continuously updated to include the latest antivirus and antispyware software.

Email Notification Alerts

Configure fine grained alert policies to send email notifications to monitor your devices. Be notified when unauthorized software is installed on a managed device, when specified devices (like critical servers) go offline, and when the Systems Manager agent or profile is removed from a managed device.

Selective Wipe

Provides a mechanism to prevent enterprise data from getting into the wrong hands. Systems Manager's selective wipe feature removes all configuration profiles and apps that have been previously pushed to the devices via MDM, while keeping the device enrolled for the purposes of tracking.

Clients > John's iPad

Client details | Refresh details | Edit details

Name: Test iPad 13
Model: iPad 3
Serial: DMQHNTV8DJ8T
Warranty: Apple
Tags: recently-added
Charge: 100%
Owner: Set an owner

OS
Version: iOS 6.0.1

Security
Encryption: Both file-level and block-level capable
Passcode: Not present

Management
Settings: up-to-date
Apps: up-to-date
Supervised: no
Enrollment date: 15:49 Jun 13 2013

Storage
Device Storage: 755 MB / 13 GB 6%

Network
LAN IP: 10.16.55.118
Public IP: 184.23.135.130
WiFi MAC: 64:20:0c:4a:e6:dc
Bluetooth MAC: 64:20:0c:4a:e6:dd

Online status | Check-in now
Last check-in: 15:52 Jun 13 2013

Approximate location | Refresh location
Pierpoint Lane, San Francisco, CA 94158, USA (via GPS, updated 1 minute ago)

REMOTE LIVE TOOLS

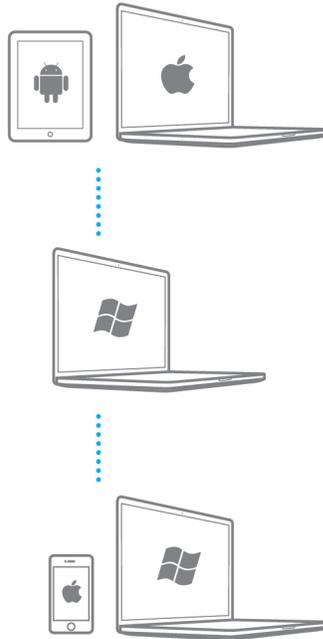
Deployment Scenarios

Meraki's Systems Manager helps network administrators tackle and resolve challenges in the today's demanding mobile device environment. Systems Manager is ideally suited for deployment in large single-platform, multi-platform, and managed BYOD environments.

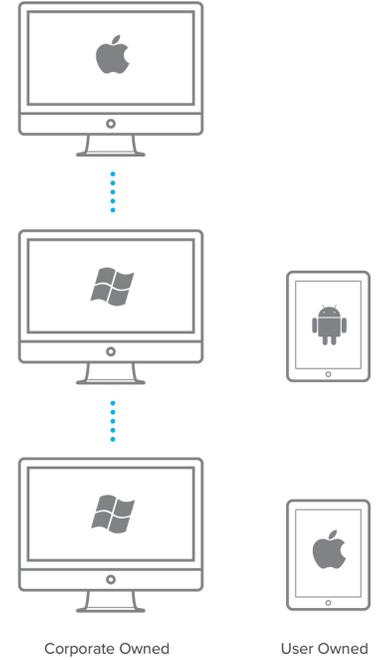
Single-platform deployment



Multi-platform deployment



Managed BYOD deployment



Specifications

Supported Platforms

Apple iPad, iPod Touch, and iPhone (iOS 4 or higher)

Android (2.2 or higher)

Mac OS X (10.5, 10.6, 10.7, 10.8, 10.9)

Windows 7, Vista, XP (Service Pack 3 or higher), 8, 8.1, Server 2008

Management

Managed via the web using Meraki's secure browser based dashboard

Centralized administration of managed devices

Organization level two-factor authentication

Role-based administration

Inventory data export to CSV

Remote command line

Security

Device location using device WiFi, IP address, and GPS data

Unenrollment monitoring and notification

Antivirus and antispysware detection (Windows)

Restrict access to iCloud (iOS)

Restrict users to accept untrusted TLS certificates (iOS)

Force encrypted backup (iOS) and encrypted storage (Android)

Enforce passcode policies and failed entry device wipe policy (iOS and Android)

Scan client device for Systems Manager before allowing network access (NAC)* (iOS, Android, Windows, and Mac)

Simple Certificate Enrollment Protocol (SCEP)

Software and App Management

Inventory of installed software and apps

Custom deployment of software and App Store apps

Integration with Apple App Store and Apple's Volume Purchase Program

Software uninstallation (Windows and Mac)

Custom uninstallation of iOS apps with Systems Manager unenrollment

Restrict app installation

Restrict in-app purchase

Unauthorized software and app installation monitoring and notification

Install Enterprise Apps

Content Management

Custom deployment of files, documents, apps (Android)

Update and deploy the latest version to devices (Android)

Device Restrictions

Restrict use of camera (iOS and Android)

FaceTime, Siri, iTunes Store, multiplayer gaming (iOS)

Restrict content consumption (YouTube, explicit music & podcasts, content rated movies, TV shows, and apps) (iOS)

Force encrypted backup (iOS) and encrypted storage (Android)

Enforce passcode policies and failed entry device wipe policy (iOS and Android)

Troubleshooting and Live Controls

Remote device lock, unlock, and wipe (iOS and Android)

Remote reboot and shutdown (Windows and Mac)

Remote desktop and screenshot (Windows and Mac)

Access device process list (Windows and Mac)

Send instant notification to device (Windows and Mac)

Monitor active TCP connections, TCP stats, and routing table (Windows and Mac)

Selective Wipe (iOS and Android)

Network Configuration Deployment

Deploy WiFi settings including WPA2-PSK & WPA2-Enterprise (iOS and Mac)

Deploy VPN configuration and authentication settings (iOS and Mac)

Deploy server side digital certificates (iOS)

Scan client device for Systems Manager before allowing network access (NAC)* (iOS, Android, Windows, and Mac)

Systems Manager Sentry (iOS and Android)

Device Enrollment

App enrollment (iOS and Android)

On-device enrollment (iOS and Android)

Integration with Apple Configurator & Apple iPhone Configuration Utility (iOS)

SMS or email enrollment invitation (iOS and Android)

Manual installer deployment (Windows and Mac)

Integration with Active Directory's GPO (Windows)

Quarantine devices upon enrollment (iOS and Android)

Monitoring

Hardware vitals and specs reporting

Network access, connectivity, signal strength monitoring

Restriction compliance monitoring

Device location with device WiFi connection, IP address, and GPS data

Battery, storage, RAM and CPU usage, outage monitoring

Email Settings

Exchange Active Sync email account provisioning (iOS)

Assign owners to devices