Cisco Meraki BYOD Solution

Provides out-of-the-box visibility, security, and control over your BYOD environment.

Support the growing number of client devices on your network with Cisco Meraki Wireless APs and MDM toolset built for BYOD

- Gain a rich understanding of the new devices on your network and the applications they are using.

- Secure your network by controlling what applications and resources BYOD clients can access.

- Prevent BYOD-induced network meltdown with dynamic RF optimization and layer 7 QoS.

- Scalably onboard BYOD clients, setting access policies, applying security settings, and deploying enterprise applications.

Free evaluations available
at **meraki.cisco.com/eval**

"Students are bringing their own devices and we have had nothing but success in supporting them. In order to support 21st century learners with an 'anywhere, anytime' learning environment, a reliable, high-performance network is key – Meraki has helped us to get there."

– Jay Blackman, Director of Information and Education Technology, Tri-Creek School Corporation

How to manage a BYOD network

Visibility

Gain insights into the users, devices, and applications on your network, viewing network-wide reports and trends, and drilling down to client-level

- **Client Fingerprinting:** Client devices are automatically classified by inspecting a wide array of attributes, letting you distinguish iPads from iPhones and Androids.

- **Application Fingerprinting:** Rich application classification utilizes layer 7 deep packet inspection (DPI), extending far beyond host and port inspection to classify evasive and encrypted apps.
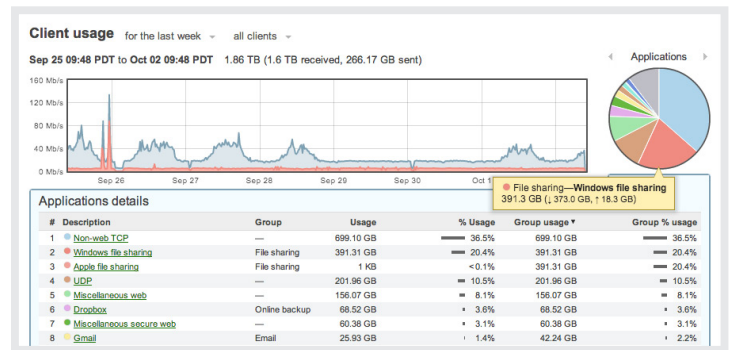
Security

Automatically apply policies by user and device type, securing LAN resources and protecting against viruses

- **Identity-based group policies:** Customize authentication, firewall and traffic shaping rules, and bandwidth restrictions based on users' identities.

- **Apply policies by device type:** Device-specific policies automatically restrict, quarantine, or throttle user-owned and untrusted devices.

- **LAN Isolation:** With just two clicks, provide Internet-only access to untrusted devices, isolating your network from viruses and blocking access to internal resources.

- **Antivirus Scan:** Automatically scan PCs for running antivirus software, blocking vulnerable devices from your network.
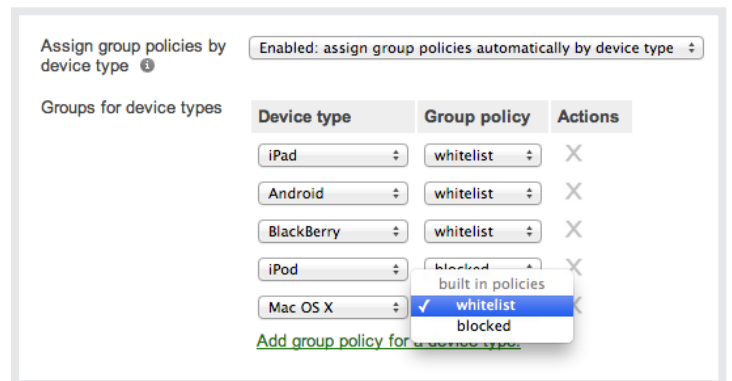

Capacity

Ensure wireless performance under challenging conditions with cloud-based RF planning and application traffic shaping

- **Auto RF**: Cloud-based analysis tunes the RF parameters of each AP in concert, optimizing performance and avoiding interference.

- **Traffic Shaping:** Prioritize applications like voice and video, while throttling bandwidth-intensive recreational traffic. Set policies network-wide, by user group, or by client.
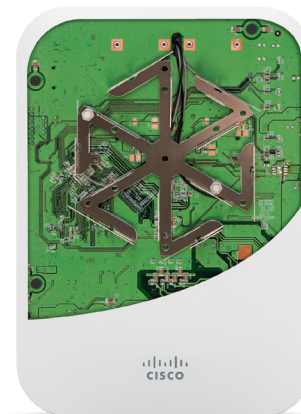
How to manage BYOD clients

Cisco Meraki is the only BYOD solution to include a fully-featured, cloud-based Mobile Device Management (MDM) solution out-of-the-box. After seamless onboarding, Meraki provides complete control of device content and settings, both on and off your Meraki network.
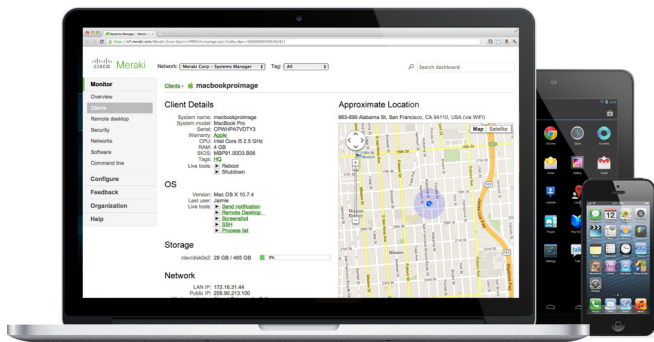
Provision Devices

- **Onboarding:** Ensure users logging onto the network are managed and allow self service setup for new users with Systems Manager Sentry.
- **Restrictions:** Centrally manage network settings like wireless connectivity, security settings and VPN configurations across all of your devices.
- **ActiveSync:** Pre-configure exchange server and credentials with Enterprise Active Sync.

Manage Content

- **App Management:** Deploy mobile applications to any number of devices over the air. Integrates with Google Play, Apple App Store, and Apple's Volume Purchase Program (VPP) for easy deployment and maintenance of free apps, purchased apps, and custom enterprise apps.
- **Web clips and backpack:** Seamlessly deliver files or web clips over the air to one device or thousands, and keep content up to date with the latest version on the server.

Secure Company Data

- **Asset Tracking:** Locate and track laptops and mobile devices both on and off your network. Systems Manager provides built-in software inventory management, simplifying software license management even in multi-platform environments.
- **Require passcodes:** Secure data by locking devices, setting passcode complexity requirements and a maximum number of failed attempts.
- **Remote lock, remote wipe, selective wipe:** Remotely lock or erase devices that have gone missing, and even selectively wipe confidential data from users devices.

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