

Comprehensive Web and Application Security for Mobile Devices

Enhance security and extend corporate internet policies to mobile devices



MobileIron complements the McAfee® product portfolio with its ability to deliver mobile-specific data to McAfee solutions. Companies need comprehensive visibility into their mobile environment, which is increasingly critical as traditional computing endpoints evolve into mobile-oriented architectures. By combining MobileIron with McAfee technologies, enterprises can effectively integrate mobile security data with a broader view of threats against the enterprise. This allows for more effective orchestration of responses, along with the ability to better protect users and correct compromises when they are discovered.

The Business Problem

Whether through a link in an email, malicious online advertisement, or a silent drive-by-download enacted by visiting a malicious URL, approximately 80% of criminal malware attacks such as ransomware are delivered through the web.¹

McAfee Compatible Solution

- McAfee® Web Gateway, v7.x
- MobileIron Core, v9.x OR MobileIron Cloud R43
- MobileIron Sentry, v8.5



SOLUTION BRIEF

At the same time, more and more people are accessing the internet or web-based applications and services from their mobile devices. As a result, there is increased urgency to extend corporate web protection to the smartphones and tablets that people are using to access corporate information, networks and services.

McAfee and MobileIron Web Protection for Mobile Devices

McAfee and MobileIron deliver an integrated solution that extends web protection to mobile devices, ensuring that users are still complying with corporate internet policies, even when they're using their smartphones and tablets.

Secure web gateways are proxies that analyze traffic as it flows between an endpoint and the web. The implementation of a proxy is unique. Instead of passive scanning, web requests are held at the proxy, inspected thoroughly in just milliseconds, and then passed on to the recipient user.

Enterprise mobility management solutions connect and manage the mobile devices used by employees in a corporation to the network and services they need to be productive. These solutions enforce compliance and security across mobile devices despite the difference that mobile operating systems present.

The integrated solution that McAfee and MobileIron deliver combine these protections in a straightforward way.

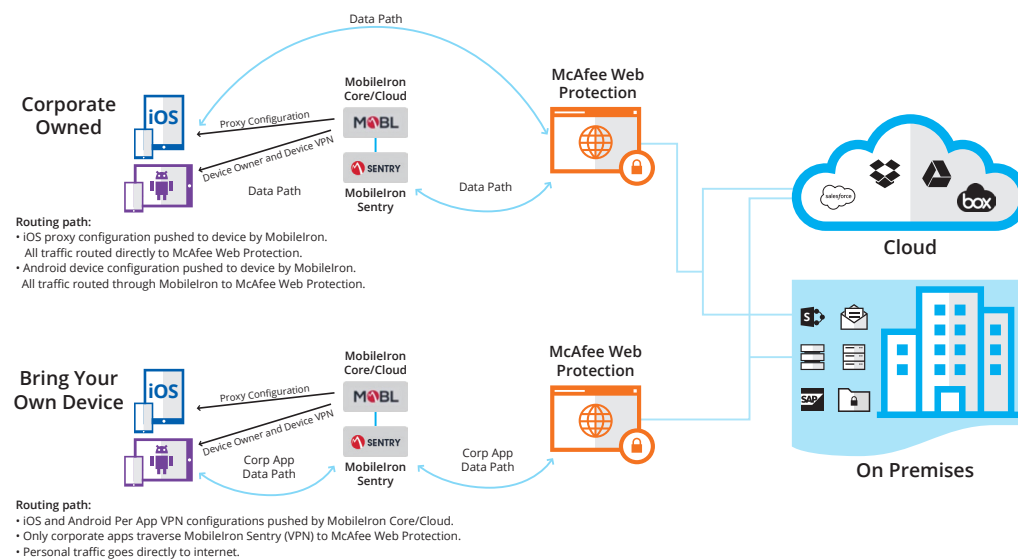


Figure 1. The integrated McAfee and MobileIron solution protects both on premises and in the cloud.

MobileIron can pass traffic to an upstream proxy via forward proxy chain. Using the MobileIron Core or MobileIron Cloud management console, the administrator pushes a proxy configuration (iOS) or device owner/device VPN configuration (Android) to the devices it is managing. This configuration routes all web traffic from the device to the designated McAfee Web Gateway.

In a scenario where the devices are corporate-owned, all traffic can be pushed to the proxy, even if it's personal browsing.

In a bring-your-own-device (BYOD) scenario, the administrator will be able to leverage per app capabilities to separate traffic so that corporate applications and the data they can touch can be routed back to the network. Traffic from personal usage doesn't have to route to the corporate network so that additional bandwidth isn't consumed.

Key Benefits

- Reduce malware delivery to endpoints and mobile devices risk of a breach
- Ensures secure connection between mobile users and the applications, services & data they want to access in the network
- Ensures safe browsing by extending corporate web policies to mobile devices
- Reduce data loss through content-based data classification

SOLUTION BRIEF

As the traffic passes through the McAfee Web Gateway, administrators automatically enhance the security of mobile traffic touching the network by scanning data for malware and zero-day threats, conducting URL filtering, and extending “lightweight” content-based data protection to mobile devices with the basic data loss prevention (DLP) rules built in McAfee Web Gateway.

As a result, administrators can extend the enforcement of corporate internet usage policy to mobile devices and increase protection from internet-borne threats.

About MobileIron Cloud or Core

MobileIron Cloud provides organizations with a unified platform for mobile and cloud security. Users enjoy seamless access to business apps and data through secure mobile devices and cloud services while still maintaining complete control over their privacy. IT benefits from advanced mobile and cloud security capabilities such as posture-based access control and selective wipe to prevent business data from falling into the wrong hands.

The on-premises counterpart to MobileIron Cloud is MobileIron Core. It integrates with back-end enterprise IT systems and enables IT to define security and management policies for mobile apps, content, and devices. MobileIron Core can be extended through our application programming interfaces (APIs) to integrate with the offerings of our technology partners like McAfee.

About MobileIron Sentry

MobileIron Sentry is a key component of the MobileIron Platform. It is an in-line gateway that manages, encrypts, and secures traffic between the mobile device and back-end enterprise systems.

Sentry addresses three fundamental needs for our customers: mobile security, scalability, and user experience.

About McAfee Web Gateway

McAfee Web Gateway delivers high-performance web security through an on-premises appliance that can be deployed both as dedicated hardware and a virtual machine. It protects the organization in three primary ways:

- **Secure inbound and outbound traffic:** McAfee Web Gateway delivers comprehensive security for all aspects of web traffic in one high-performance appliance software architecture.
- **Detect zero-day malware:** This secure web gateway provides industry-leading, proactive detection of zero-day malware with full coverage of web traffic, including SSL.
- **Gain reputation and category-based filtering:** Enable web filtering functionality and protection through both reputation and category-based filtering.

1. Source: http://www.verizonenterprise.com/resources/reports/rp_dbir-2016-executive-summary_xg_en.pdf