

# McAfee Enterprise Mobility Management for Apple Mobile Devices

Making enterprise IT ready for securing the Apple iPhone, iPod Touch, and iPad

Apple Computer, Inc. and other handset vendors are empowering consumers to use their mobile devices for both personal and work uses, but enterprise IT has lacked the tools needed to support these new devices. Enterprises want to take control of their mobile endpoints—and McAfee Enterprise Mobility Management (McAfee EMM®) enables complete control, ensuring protection of the corporate data and network assets, compliance with regulatory requirements, and reduced costs.

## Key Advantages

### Centralized management of Apple mobile devices

- Web-based enterprise console with integrated help desk capability and role-based access
- Integration with Microsoft Active Directory for group-based management
- Self-service portal support for simplified deployments and end-user assistance
- Reports for asset/inventory management for auditing

### Compliance enforcement and reporting for security policies and configuration

- Allow or block iPhone, iPad, and iPod Touch in the enterprise based on policy compliance status and device characteristics
- Reports on the user/device compliance status and device configuration state
- Ensure persistence of ActiveSync policies and configuration profiles

### Endpoint security with device loss protection

- Endpoint security with uniform and persistent password policies across all iPhones, iPads, and iPod Touch
- Remote wipe (full and select) via McAfee EMM Console or McAfee EMM Self-Service Portal

### Flexible deployment of Apple mobile devices

- Supports iPhone, iPad, and iPod Touch use with Microsoft Exchange, Lotus Notes, and Google Apps

McAfee EMM is a web services solution that can be flexibly deployed within the IT data center, giving each IT stakeholder a centralized console to manage, secure, and support their fleet of mobile devices. McAfee EMM manages the entire mobile

device lifecycle with tools and facilities to secure email access, create and provision device policies, distribute device certificates, monitor device status, and ensure user and corporate compliance.

## McAfee EMM Platform

Secure Email Access	Create Policies	Distribute Policies	Device Status	Corporate Compliance
EMM Proxy	Policy Manager	Portal	Reporting	Compliance
<b>Secure:</b> Email proxy server in the demilitarized zone (DMZ) secures access to email servers	<b>Unified:</b> Web-based console for ActiveSync policies and Apple configuration profiles	<b>Scalable:</b> Automated activation of iPhones, iPads, and iPod Touch for business use	<b>Comprehensive:</b> Provides complete Apple iPhone, iPad, and iPod Touch inventory from centralized console	<b>Visible:</b> Report compliance status of iPhones, iPads, and iPod Touch
<b>Simple:</b> Leverages ActiveSync for use with iPhone, iPad, and iPod Touch and other smartphones	<b>Independent:</b> Policy management is decoupled from email server	<b>Customized:</b> Group-based policies linked to LDAP	<b>Tailored:</b> Browser-based console with RBAC provides tailored view of device status for help desk and other IT stakeholders	<b>Enforceable:</b> Allow network access based on iPhone, iPad, and iPod Touch health
<b>Adaptable:</b> Supports Microsoft Exchange, Lotus Notes, and Google email		<b>Efficient:</b> User self-service offloads common requests to IT help desk		<b>Proactive:</b> Apply compliance check in the DMZ before iPhones, iPads, and iPod Touch enter the network

**Feature Overview**

**McAfee EMM Console**

- Web-based console consolidates the management of ActiveSync policies and Apple Configuration Profiles into a unified approach, decoupling iPhone, iPad, and iPod Touch policy management from Microsoft Exchange
- Profile services include dynamic generation of Apple Configuration Profiles based on user group membership
- Role-based access for network administration and help desk personnel; Microsoft Active Directory login integration
- Help desk for remote user assistance, including device wipe
- Reports about device inventory, audit logs, and more

**McAfee EMM Certificate Authority**

- OTA distribution of device certificates via simple certificate enrollment protocol (SCEP)

**McAfee EMM Audit and Compliance Service**

- Visualize iPhone 3G/3GS/4, iPad, and iPod Touch assets
- Ensure policy compliance by blocking noncompliant devices from entering the corporate network
- Automatic OTA remediation
- Patent-pending McAfee Bonded Policy Compliance (BPC) ensures persistence of ActiveSync policies and Apple Configuration Profiles

**McAfee EMM Self-Service Portal**

- Manages user-initiated requests, enabling users to perform basic help desk services, such as enterprise device enrollment, device wipe, and profile activation
- Secure user access from any web browser using corporate credentials

**McAfee EMM Device Agent for the iPhone**

- Agent available for download at Apple App Store
- Automatic configuration of Apple iPhone Configuration Profiles enables customized device provisioning based on user identification and group membership
- User identity determined by corporate credentials

**Technical Specifications**

The following table offers general guidelines for deploying the McAfee EMM platform in support of the iPhone OS family of devices. For specific server configuration and device support, please contact a McAfee sales representative.

McAfee EMM Platform	Description	Features	Requirements
McAfee EMM Server Components	Administrative components used to create and manage policies, users, applications, and devices	<ul style="list-style-type: none"> <li>• McAfee EMM Console</li> <li>• McAfee EMM Audit and Compliance Service with Bonded Policy Compliance (BPC)</li> <li>• McAfee EMM Self-Service Portal</li> <li>• McAfee EMM SCEP Certificate Authority</li> </ul>	<ul style="list-style-type: none"> <li>• Microsoft Windows 2008/2003 SP1 Server with IIS 6.0 (1 GB RAM, 1 GB free space)</li> <li>• SQL 2008/2005 (40 MB initial size of database plus 2 MB per user/year)</li> </ul>
McAfee EMM Device Agents	Device components used to manage devices	<b>Management Features:</b> <ul style="list-style-type: none"> <li>• Automated over-the-air (OTA) enrollment and device configuration</li> </ul>	<b>Supported Platforms:</b> <ul style="list-style-type: none"> <li>• iPhone 3G/3GS/4</li> <li>• iPad</li> <li>• iPod Touch</li> </ul>

McAfee EMM implements the recommendations of the Apple iPhone OS Enterprise Deployment Guide, simplifying OTA enrollment and device configuration. Our seamless approach blends profile service facilities with support for management of ActiveSync policies. Our patent-pending McAfee Bonded Policy Compliance feature ensures that once provisioned, configuration profiles and

ActiveSync policies remain persistent on mobile devices. Additional facilities such as a self-service portal, SCEP-enabled certificate authority, and an Apple App Store agent enable large-scale, secure, and flexible enterprise deployments of the iPhone, iPad, and iPod Touch.

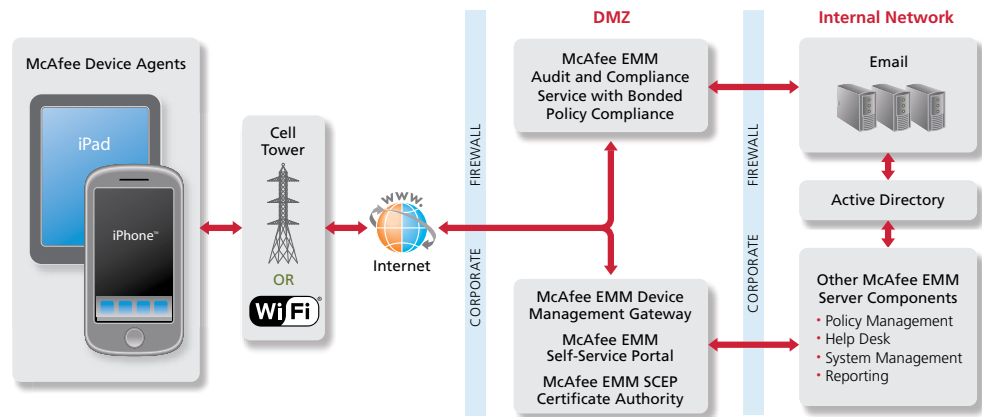


Figure 1. McAfee EMM Architecture for Apple mobile devices.

