# Zscaler Mobile Security

*According to Gartner, data privacy and mobile app security threats and vulnerabilities are the top risks associated with BYOD. How does your mobile strategy address these risks?*

## The Challenge with Mobile Security

With the advent of sophisticated mobile devices and the BYOD movement, corporate IT has been tasked with enabling the productivity of a mobile workforce, while securing corporate data and defending against malware, rogue mobile apps, and other security threats.

Ensuring mobile security presents unique challenges because:

» Mobile devices connect to any available network—even public and insecure ones—thus increasing the risk of exposure to malware and cyber-attacks. Users also can easily move sensitive data outside the corporate network by leveraging cloud storage solutions like Box and Dropbox.

» With BYOD, employees bring in varied models, platforms and OS versions onto the corporate network thus introducing a multitude of potential vulnerabilities and risks for IT to manage.

» The proliferation of mobile apps and their varied pedigree make it challenging to set controls or protect using simple blacklist/whitelist app policies. Mobile apps present a security risk and could compromise corporate data residing on the device.

Corporations often use Mobile Device Management (MDM) solutions to deploy and provision corporate applications and data on mobile devices. However, MDM's are not a security solution—they do not address the risks of advanced threats like phishing and spyware, nor do they protect from malicious apps.

## Zscaler Mobile Security Solution

Zscaler Mobile Security is an enterprise-grade security solution that addresses the unique challenges of securing today's sophisticated mobile devices. By forwarding all mobile traffic—browser and app—to the Zscaler Security Cloud and analyzing both inbound and outbound traffic in real time, Zscaler protects users and devices against Advanced Web browsing threats like phishing or spyware, malicious or rogue apps, and apps that may pose security or privacy risks to data on the device. Using patent-pending *Mobile App Profiler*™ technology, Zscaler protects mobile apps based on the network traffic, identifies the device platforms the apps were running on, and flags any security or privacy risks that they may pose. All this is achieved with minimal latency—thus maintaining optimal user experience.

With Zscaler Mobile Security administrators can apply consistent granular policies, including data loss prevention (DLP) and compliance mandates, across a user's multiple devices. It also provides instant and detailed visibility through a 'single pane of glass'—identifying mobile browser and app traffic, application usage patterns and security and privacy threats. Administrators can get graphical, in-depth views into user transaction logs, run reports for instant analysis and identify mobile apps that may be the source of security incidents.

### Solution Profile

• Extends the benefits of the Zscaler Security Cloud to mobile devices

• Enables secure BYOD, corporate issued & hybrid mobile environments

• Integrates seamlessly with leading Mobile Device Management Solutions

### Company Profile

• Largest Security Cloud gateway with over 100 data centers worldwide

• 3,500 global enterprises customers; 10 million users across 180 countries

• Processes 8 billion transactions a day—more transactions than Google web search

**Employee Owned Devices**

Visibility, security and policy control on corporate network only

Visibility, security and policy control for corporate browsing on all networks at all times

**Corporate Issued Devices**

Visibility, security and policy control on all networks at all times

# Solution Components

The Zscaler Mobile Security Solution has three components – **App Security and Control**, **SafeBrowser** and **SecureAgent**.  The modular and scalable format helps address diverse business mobile strategies ranging from BYOD to corporate issued mobile devices, to hybrid deployments.

## Employee Owned Devices (BYOD)

Some organizations with liberal BYOD policies may not want to manage their users' mobile devices. However, IT does need to ensure that all traffic on the corporate network (mobile and non-mobile) adheres to the organization's security and compliance mandates. *Zscaler Mobile App Security and Control* provides complete visibility to all mobile traffic on the corporate network. IT administrators can enforce the corporate policy, restrict mobile app threats and even enable granular app control policies such as restricting usage of unauthorized or illegal mobile app markets.

Organizations with BYOD policies seeking to augment mobile visibility and protection beyond the corporate network to include all corporate browsing traffic can install *Zscaler SafeBrowser* as the default corporate browser. *SafeBrowser* maintains a persistent proxy connection to the Zscaler Cloud across all network types (3G/4G, wireless, LTE) thus ensuring continuous protection and compliance with the users' corporate policies even when the user is browsing outside the corporate network.

## Corporate Issued Devices or Containerized Corporate Apps

Organizations who seek to monitor and protect their employees mobile devices at all times can deploy corporate-owned mobile devices or "containers" of corporate apps on employees' personal devices. Corporate-owned devices like Apple iPhones and iPads or corporate apps in Samsumg Knox containers can be config-ured to maintain a persistent connection to the Zscaler cloud, thus ensuring that they are continuously protected by the Zscaler service. With Zscaler *SecureAgent* users have a simple and intuitive way to authenticate to the Zscaler service. Additionally, *SecureAgent* provides user notification when the Zscaler Security Cloud protects against malicious or non-compliant traffic from an app, thereby enhancing user experience.

*Consumerization and proliferation of mobile devices is here to stay—Zscaler provides the seamless mobile security solution your organization needs!*

## Why Zscaler for Mobile Security?

Zscaler's Mobile Security Solution is purpose built to address the challenges that the mobile workforce brings—a proliferation of devices, varied owner-ship models and the ubiquitous presence of apps.

• Provides protection from advanced security threats, with granular policy controls for browser and app traffic.

• Flags apps with privacy or security risks and aids quick remediation by pinpoint-ing the device and associated user information.

• Maintains near zero latency by leveraging the power of 100+ data centers of Zscaler's Security Cloud.

Zscaler Mobile Security Solution builds on Zscaler's proven expertise in transforming enterprise security with the world's largest security cloud.

LEARN MORE at **www.zscaler.com/mobile**
Speak with a specialist: **1-866-902-7811**

**Zscaler Mobile Security Solution Brief**