ZIMPERIUM®
MOBILE THREAT DEFENSE

zIPS™ Protection

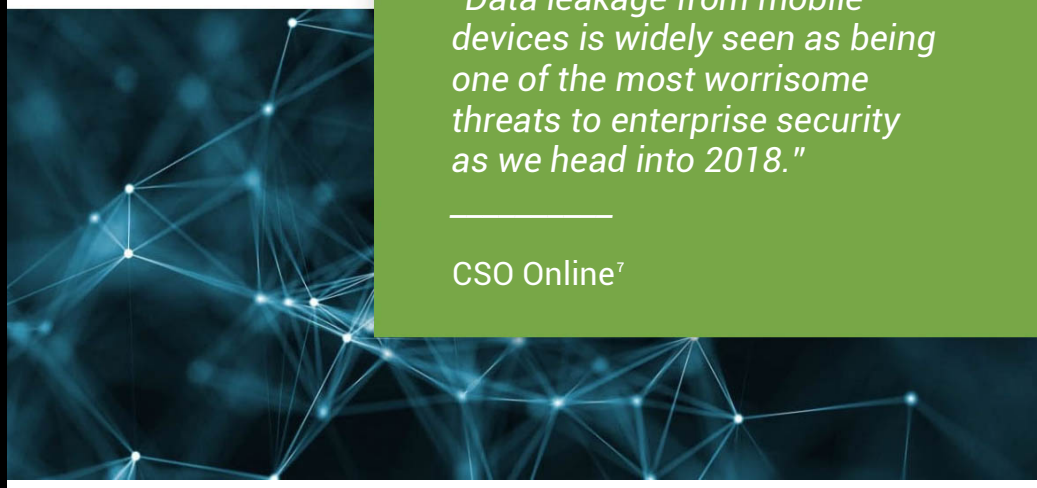
Enterprise-grade, Machine Learning-powered
On-device Security.

As smart devices continue to pervade the enterprise, mobile threats have increased dramatically.

- In a 2018 survey, enterprise IT security professionals reported that the most challenging area to defend is mobile devices, at 57%[1].
- In a 2018 enterprise study by a major telco, 93% of respondents concluded that organizations should take mobile security more seriously[2].
- One mobile business publication predicted that "2018 will be the year cyber criminals focus on enterprise mobile security weak spots, exploiting them to harvest sensitive information."[3]
- Enterprise CIO reported recently that for about a quarter of enterprises, a password is the only security provided for mobile BYOD[4].
- Ponemon's 2017 survey of IT and security practitioners found that 84% are very concerned about the threat of mobile malware[5].

MOBILE DEVICES CREATE INFORMATION SECURITY RISK FOR THE ENTERPRISE

Enterprise IT organizations are under pressure to deliver a robust mobile experience to employees. One tech publication recently noted that 70% of executives agreed that increasing mobile access to enterprise software represents an immediate digital transformation opportunity[6].



"Data leakage from mobile devices is widely seen as being one of the most worrisome threats to enterprise security as we head into 2018."

CSO Online[7]

Enterprises are embracing a range of BYOD (bring your own device), CYOD (choose your own device), and COPE (corporate-owned, privately enabled) strategies, despite the security risks mobile devices pose if they are not properly secured. Mobile apps are fueling device proliferation as well. One leading analyst firm determined that 73% of enterprises are engaged in mobile app development, focused on customer-facing apps as well as business critical apps for partners and distributors[8]. With mobile device usage inevitable in the enterprise, the challenge becomes how best to secure the devices.

Insecure mobile devices pose real and immediate risks to enterprises. 50% of IT and Security professionals report that it is “likely to certain" that their organization has already had a security incident as a result of inadequate mobile device security[9]. In order to realize the goal of mobility initiatives, enterprises need robust mobile security against today's major threats.

zIPS:
Enterprise-grade Mobile Security

As a part of the Zimperium 5.0 suite of solutions, zIPS™ makes it possible for IT organizations to provide the mobile experience that enterprise users need without compromising information security. Zimperium 5.0's four key solutions include:

zIPS
Zimperium's stand-alone app that provides persistent, on-device protection for mobile devices and data in a manner analogous to next-generation antivirus on traditional endpoints.

zConsole
Zimperium's management and reporting console, including threat forensics, policy administration and industry-leading integrations with EMM and SIEM solutions.

zIAP
Zimperium's software development kit (SDK) that quickly embeds z9 into any mobile app, immediately protecting the app and all of its sessions from attacks.

z3A
Zimperium's reporting and analytics tool that provides detailed privacy and security risk for every app on protected devices.

z9: Zimperium 5.0's Machine Learning Core

Over the last 5 years, Zimperium's machine learning-based engine, z9, has detected 100 percent of zero-day mobile exploits without requiring an update. In addition to its proven efficacy against zero-day device and network attacks, z9 is the only machine learning-based engine capable of detecting previously unknown mobile malware on-device without requiring updates and without the risks of cloud-based lookups.

zIPS Protects Against Even Zero-day and Customized, Tailored Attacks

zIPS provides persistent, on-device protection for mobile devices and data in a manner analogous to next-generation antivirus on traditional endpoints.

Utilizing z9, zIPS can detect both known and unknown threats by analyzing slight deviations to a mobile device's OS statistics, memory, CPU and other system parameters. Once deployed on a mobile device, zIPS begins protecting the device against attacks even when the device is not connected to a network. zIPS protects mobile devices against all primary attack vectors, e.g.,

Network

- MITM Attacks
- SSL Stripping
- Rogue Access Points

Apps

- Malicious Apps
- Privacy & Security Risks

Privilege Abuse

- Malicious Elevation of Privileges (EOP)
- Unmanaged Profiles

Advanced Attacks

- OS Exploit
- System Tampering
- Phishing

Extending Enterprise Mobility Management

Zimperium partners with leading enterprise mobility management (EMM) vendors to remediate the known and unknown threats detected by z9. zIPS is integrated with more EMM platforms than any other mobile security solution, and is the only one that allows administrators to interact with multiple EMM solutions in a single environment. While integrations vary, the following table outlines the value each platform generally provides:

Required Features and Benefits	EMM	zIPS
Access controls to corporate email, VPN and Wi-Fi, app delivery and removal	X	
Secure corporate document sharing and secure web security	X	
Ability to revoke access to non-compliant mobile devices	X	
"Always on" protection on the device	X	X
Detect if device has proper security enabled (pin code, device level encryption)	X	X
Detect if device is jailbroken	(X)	X
Detect if device is rooted/compromised		X
Ability to detect network attacks (Man-in-the-Middle (MITM), rogue access points)		X
Ability to detect device OS compromise and exploitation		X
Ability to detect malicious apps and profiles		X
Provide detailed app risk and privacy analysis		X
Ability to detect mobile phishing attacks		X
Ability to detect attacker conducting reconnaissance scans		X
Detailed mobile threat intelligence		X
Detailed app Analysis and risk/privacy reports		X

zIPS Benefits

zIPS is the only mobile security solution that delivers the most robust combination of enterprise capabilities available, e.g.

Optimal Security and Privacy

- Detection of the most mobile threats
- Protects against zero-day threats
- Real-time on-device detection
- Highlights privacy and security risks in apps
- Provides enterprise-grade forensics
- Provides the best privacy protection

Enterprise Scalability and Flexibility

- Flexible deployment options
- Availability on any cloud
- Tightly integrates with your EMM solutions
- Easily integrates with your SIEM solution
- Easily tailored to existing groups
- Proven ability to scale

See zIPS in Action

For more information or to request a demo, visit
www.zimperium.com

ZIMPERIUM®

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