

# What We Do



Zimperium secures mobile devices and applications so they can access enterprise data in a safe and secure manner.

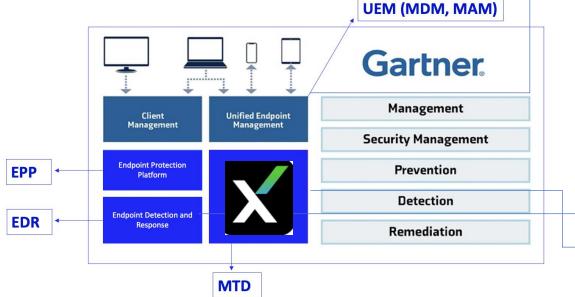




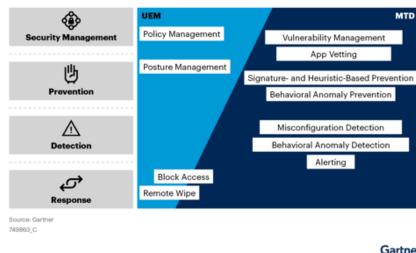




# Why are we in Trellix Mobile



#### Mobile Threat Defense Functionality Compared With That of Unified Endpoint Management



Gartner.

#### XDR Implementation With Support for iOS and Android via an MTD Solution



736793 C

Gartner.



### Who remembers these?



RSA SecurID SD600



RSA SecurID SD200



RSA SecurID SD520



RSA SecurID SID700



### Why did we trust them?



**Device** 



Network

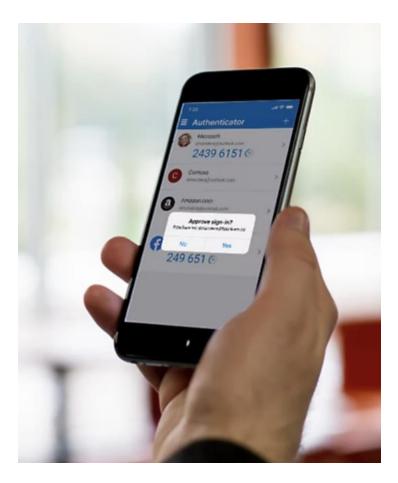


**Applications** 



**Phishing** 

## So why would you trust these?



Attacks by bad actors





Risks from employees



65%

Avg. % of enterprise devices running an OS with CRITICAL vulnerabilities



#### **Network**

1:5

One in five enterprise mobile devices experienced a network attack



### **Applications**

144,000

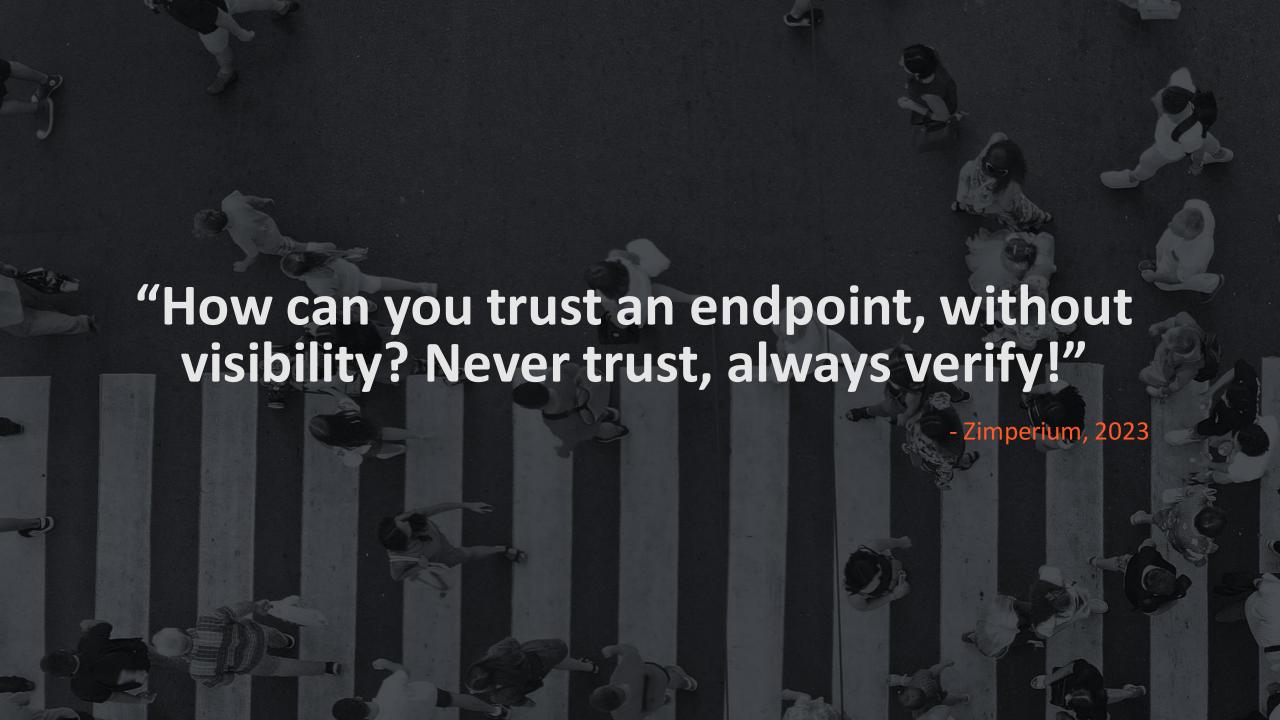
New mobile malware per month<sup>1</sup>



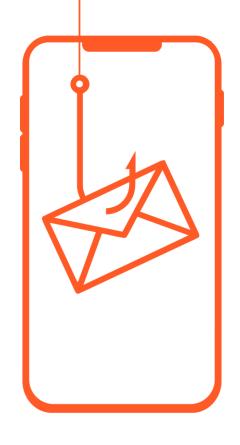
### **Phishing**

90/60

90% of breaches start with phishing; 60% of emails read on mobile



# Example: How do you handle phishing / smishing on mobile?



What technological controls on mobile do you have to prevent phishing or smishing?

E-mail gateway!

No worries!

We trained our users!

? SMS, Slack, Teams, WhatsApp, Personal mail,...

### Awareness training:

## Phishing / smishing messages have spelling mistakes in them!

Subject: URGENT: Account at Risk!

Hi [Recipient's Name],

Your account is in danger of suspension!

Click this link NOW to resolve: [Insert Link]

Act fast to keep your access!

**Enter** 



Dear [Recipient's Name],

We hope this message finds you well. We need your immediate attention to a matter of utmost importance regarding your account. Failing to take action promptly could result in the suspension of your account, which we understand is something you'd like to avoid.

To prevent any disruption to your services and maintain uninterrupted access, please click on the following link right away: [Insert Link]

This link will guide you through the necessary steps to resolve the issue at hand. Time is of the essence, and we urge you to act swiftly to ensure your account remains active and fully functional.

If you have any questions or require assistance during this process, our dedicated support team is standing by to help. Please do not hesitate to reach out to us at [Support Email] or [Support Phone Number].

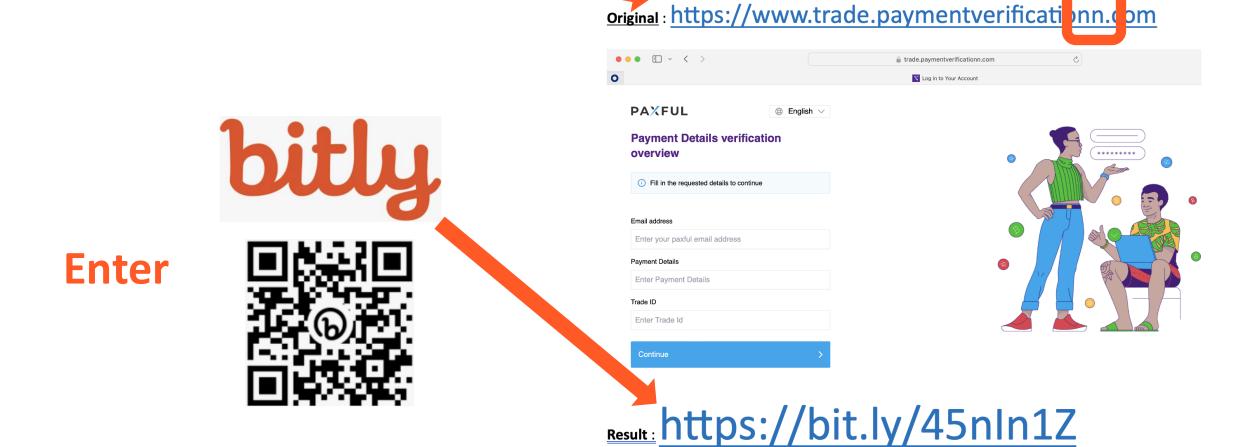
We appreciate your immediate attention to this matter and thank you for being a valued member of our community. Your prompt action will ensure a seamless experience with our services.

Sincerely,

[Your Name] [Your Title] [Company Name] [Contact Information]

### Awareness training:

We ask users to inspect the URL before clicking it!



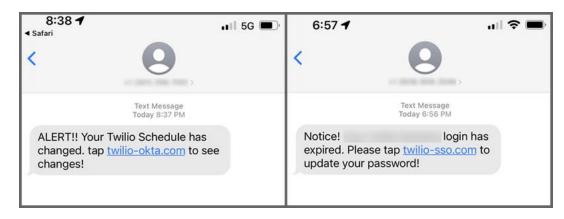
### Why now? Recent use cases:

# Uber



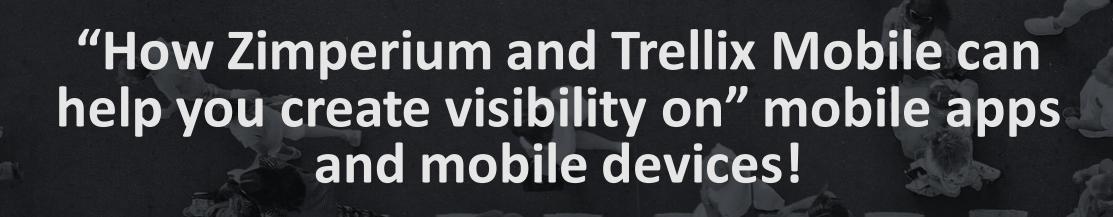
(I was spamming employee with push auth for over a hour) i then contacted him on WhatsApp and claimed to be from Uber IT, told him if he wants it to stop he must accept it

And well, he accepted and I added my device 6:47 PM



MFA Fatigue

**Smishing** 



Phishing
Mobile Device Posture
App vetting

Zimperium, 2023



# PHISHING: Do not expose your MFA to vulnerable devices! (example RSA)

### Most hackers don't BREAK in, they LOG in

#### 2003

RSA owns 70% of MFA market with 25 million devices



Dedicated hardware generating a 60 seconds personal access code

#### **TODAY**

Scattered landscape: Multiple vendors having a TAM of 12,9 billion USD



More than 80% of the market is software based (do you trust the device it runs on?!)

#### **TODAY**

RSA announces Mobile Lock while partnering with Zimperium



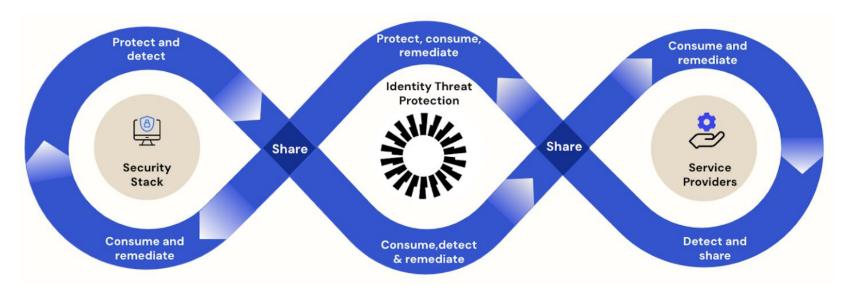
The solution provides mobile device attestation, before allowing authentication

### **MOBILE DEVICE POSTURE:**

## **Never Trust, Always Verify (Zero Trust)**

(example Okta)

Okta Identity Protection with Okta AI



Best-of-breed technology partners









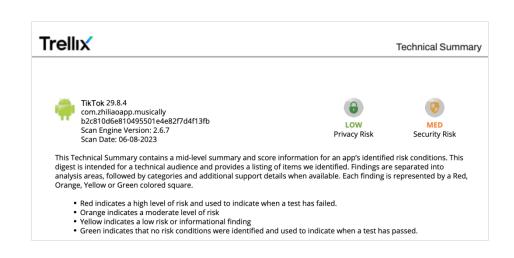


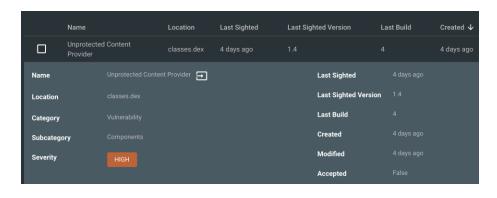


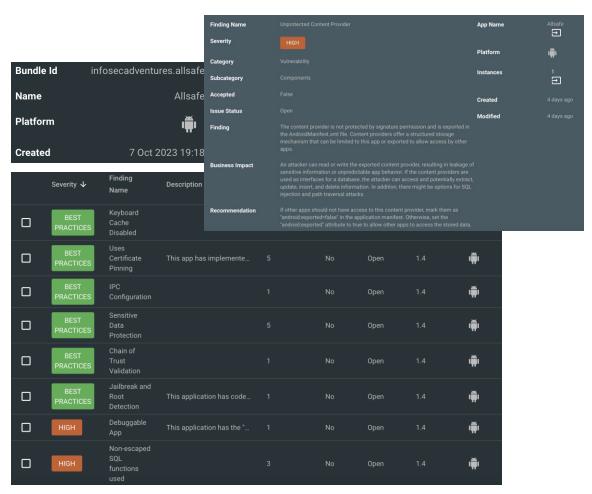




## **APP VETTING: Your OWN and THIRD PARTY mobile apps**







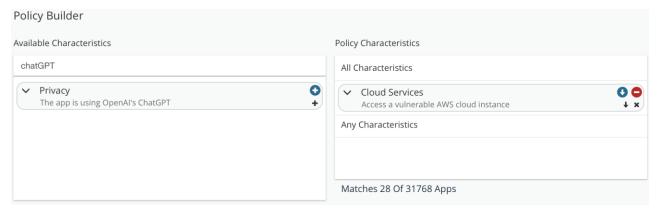


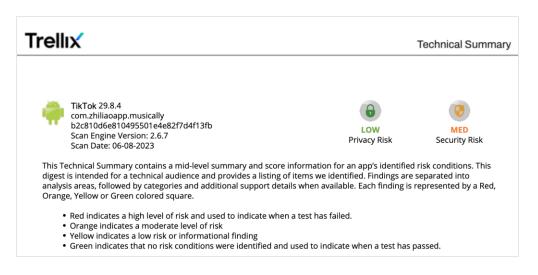
# BEST PRACTICES: How to vet your Mobile Apps?

### THIRD PARTY APPS

1. Review app characteristics

2. Review privacy and security risks per app

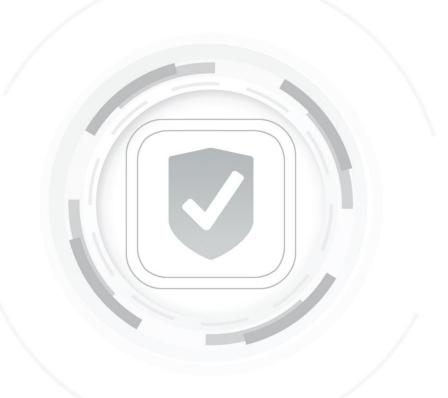




# BEST PRACTICES: How to vet your Mobile Apps?

### YOUR OWN APPS

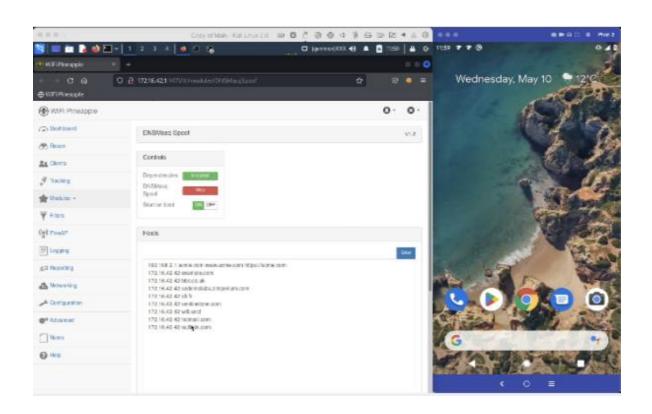
- 1. Build securely
- 2. Protect your secrets
- 3. Release securely
- 4. Know your environment





# Example: What does Pegasus-alike infection a look like?

Live Demo:
Key logging
SMS / MFA exfiltration
App behaviour



## Why now? Example: How will the NIS2 directive apply to mobile endpoints?

Article 6.b. - Definitions:
What is a network and information system?

Article 21 - Cybersecurity riskmanagement measures: What needs to be done?

Article 23 – Reporting obligations: What and when (72 hours) needs to be reported?

- "any device or group of interconnected or related devices, one or more of which, pursuant to a program, carry out automatic processing of digital data"
- Policies on risk analysis and information system security
- Incident handling
- Supply chain security
- Policies and procedures to assess the effectiveness of cybersecurity risk management measures
- Policies and procedures regarding the use of cryptography and encryption

(j) the use of multi-factor authentication or continuous authentication solutions emergency communication systems within the entity, where appropriate.

- Potential unlawful or malicious acts or cross-border impact
- An initial assessment, including severity, impact, and known indicators of compromise

## Recommended Next Steps





Understand why mobile device and app posture is key

Vet your Mobile App

Receive a personalized app analysis of YOUR mobile app

Test For Yourself

Pilot the solution internally to validate enterprise fit

## 2023 Global Mobile Threat Report Now Available



