Google

Some Thoughts on "Emerging Threats"

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Google Maps is putting Europe's human-traffickers out of business



REUTERS/Alexandros Avramidis

Mass migration guided by mobiles and social media



Photograph: Herbert P Oczeret/EPA

Provide multi-layered security for everyone



App security

Operation system integrity and application sandboxes built-in.



Data protection

Data encryption, keystore, and secure lockscreens built-in.



Exploit Mitigation

Hardened media stack, updateable webview, ASLR, NX built in.

Android SafetyNet



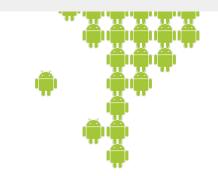
1+ billion
devices protected

400 million

device scans per day

6 billion

apps checked per day







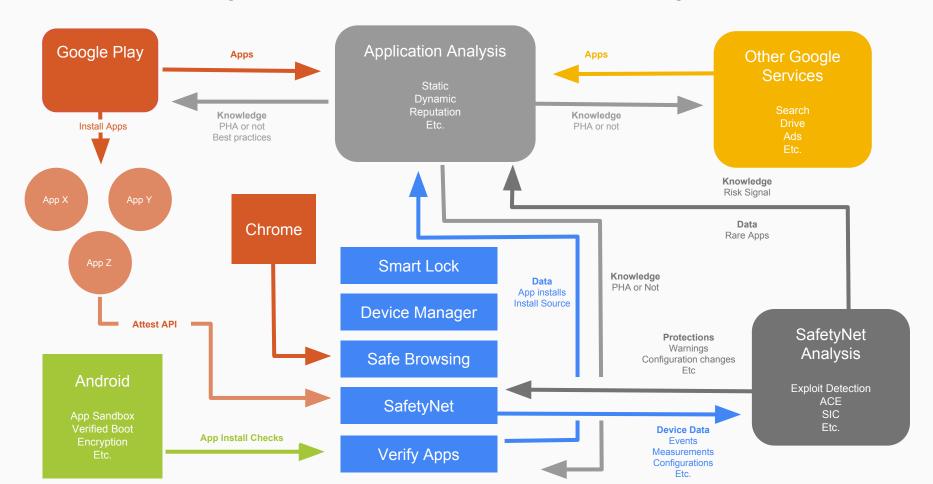
android security

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Application Review Process



Security Services Woven Into An Ecosystem



Android Devices with Known PHA



Source: Android Security 2015 Year in Review

Mobile Security: Perception of vs. Reality

Vulnerability	Initial Claim Headline	Peak exploitation after public release (per install)	Exploitation before public release (absolute)
Master Key	99% of devices vulnerable	< 8 in a million	0
FakeID	82% of Android users at risk	<1 in a million	0
Stagefright	95% of devices vulnerable	None confirmed	None confirmed

Source: Google Safety Net Data; Masterkey data collected from 11/15/2012 to 8/15/2013 and previously published at VirusBulletin 2013. Fake ID data collected data collected from 11/15/2012 to 12/11/2014 and previously published at the RSA Conference 2015. Stagefright data current through May 2016.

About the security content of iOS 9.3.5

This document describes the security content of iOS 9.3.5.

For our customers' protection, Apple doesn't disclose, discuss, or confirm security issues until an investigation has occurred and patches or releases are available. Recent releases are listed on the Apple security updates page.

For more information about security, see the Apple Product Security page. You can encrypt communications with Apple using the Apple Product Security PGP Key.

Apple security documents reference vulnerabilities by CVE-ID when possible.



Heard from an employee of a Fortune 100 company, IT is cutting off any iPhone without the latest patch trying to connect.

Legacy

Android

