CHECK POINT™

Mobile Threat Landscape

June 2023

Omer Rafaeli | Mobile Security Expert

Recent Threats

Over 400 million infected with Android spyware — delete these apps right now

By Anthony Spadafora last updated 3 days ago

Malicious SpinOk spyware module found in 101 popular Android apps

Comments (0)

Operation Triangulation: iOS devices targeted with previously unknown malware

APT REPORTS 01 JUN 2023 5 minute read

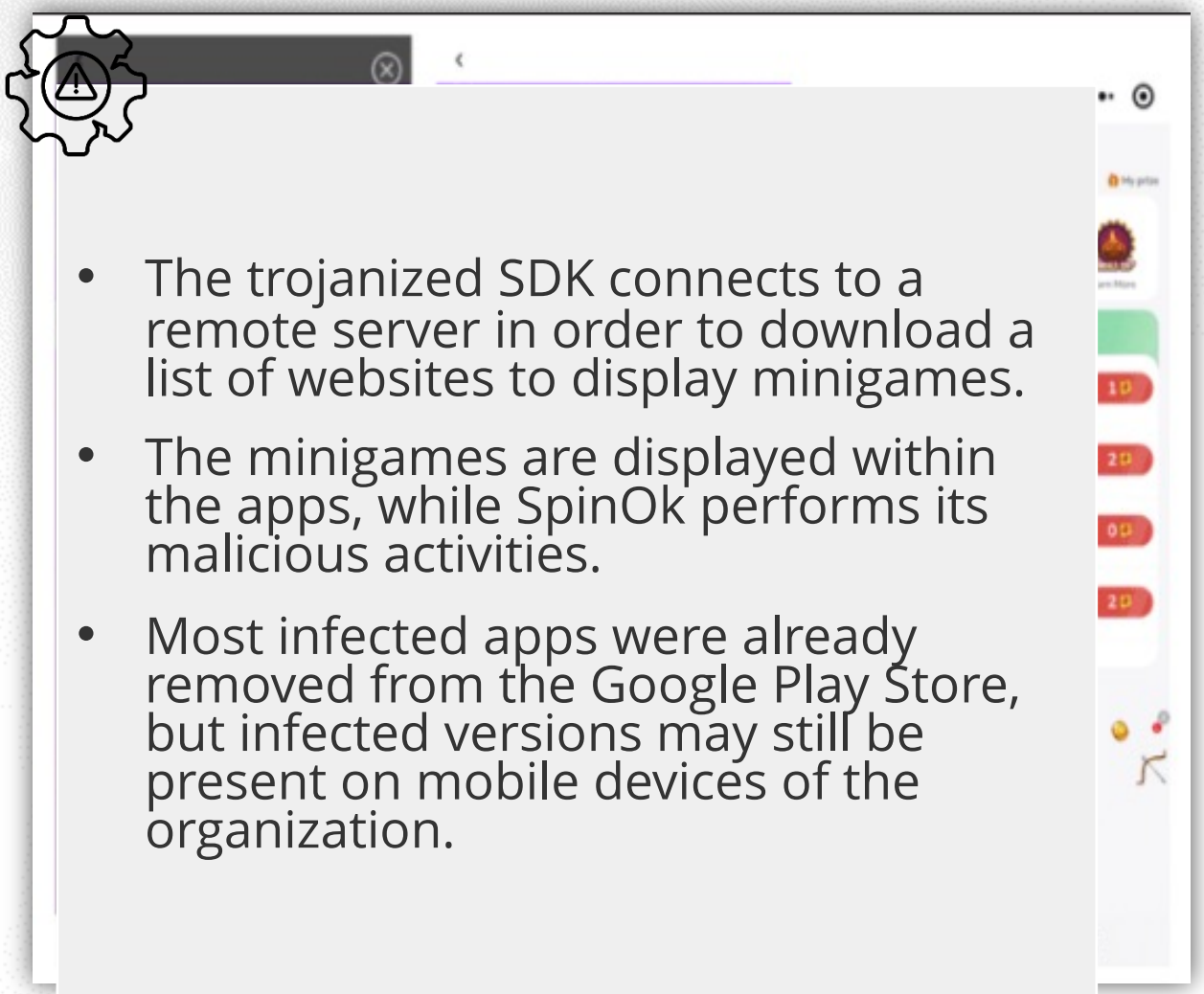
SpinOK

WHAT?

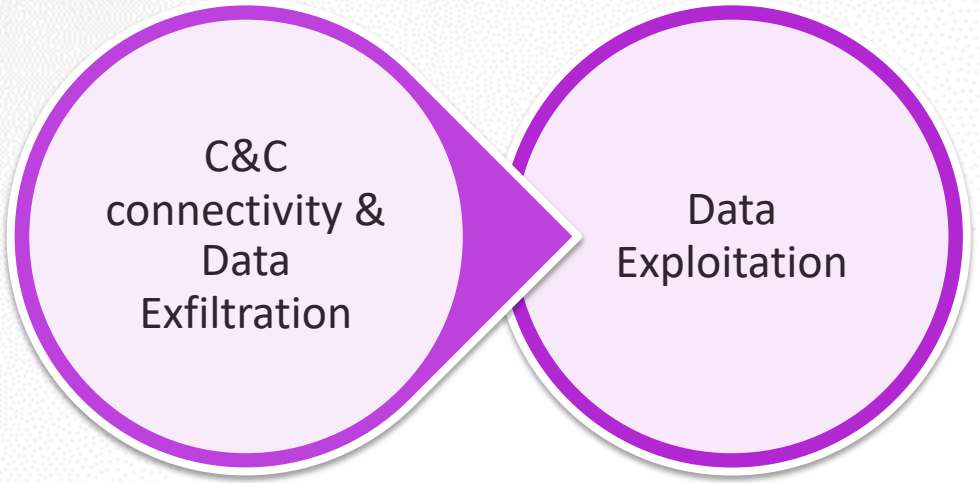
- Trojanized SDK for ad-revenue
- Popular Android apps
- 400 million downloads
- Over 190 infected apps in GP

HOW

App developers likely added the SpinOk module without knowing its malicious capabilities, as it appeared to be legitimate



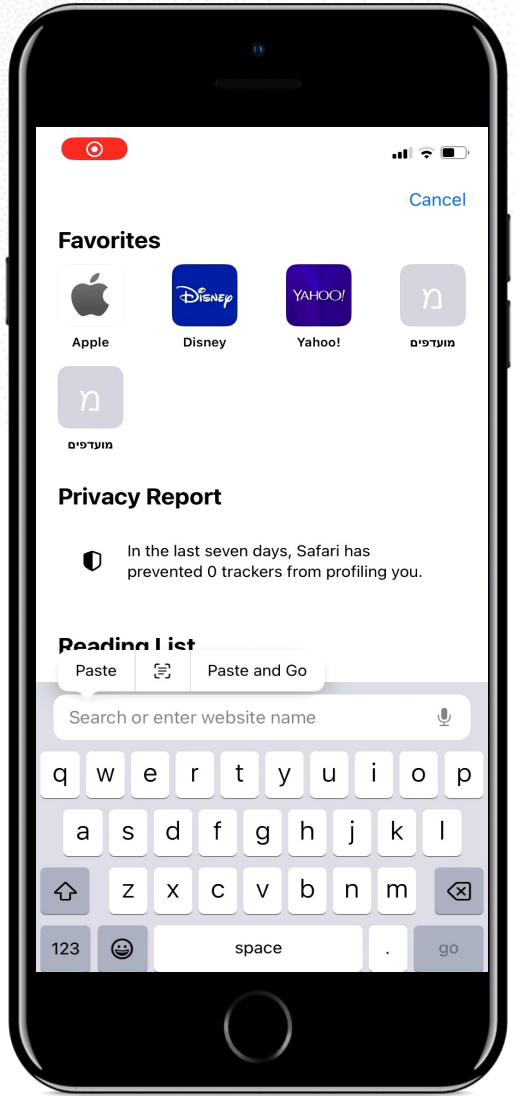
- The trojanized SDK connects to a remote server in order to download a list of websites to display minigames.
- The minigames are displayed within the apps, while SpinOk performs its malicious activities.
- Most infected apps were already removed from the Google Play Store, but infected versions may still be present on mobile devices of the organization.



The hackers receives the entire phone's data: files, passwords, credit card data, etc.

You are protected against SpinOK with Harmony Mobile

- All applications downloaded from the official or 3rd party mobile app stores are analyzed by Harmony Mobile.
- All existing and new applications using SpinOK SDK malware strain (regardless where they came from) will be detected by Harmony Mobile's Behavioral Risk Engine.
- All Harmony Mobile customers are fully protected!
  Check Point has recently prevented this attack in a major bank in South Africa and a large Telco in Asia

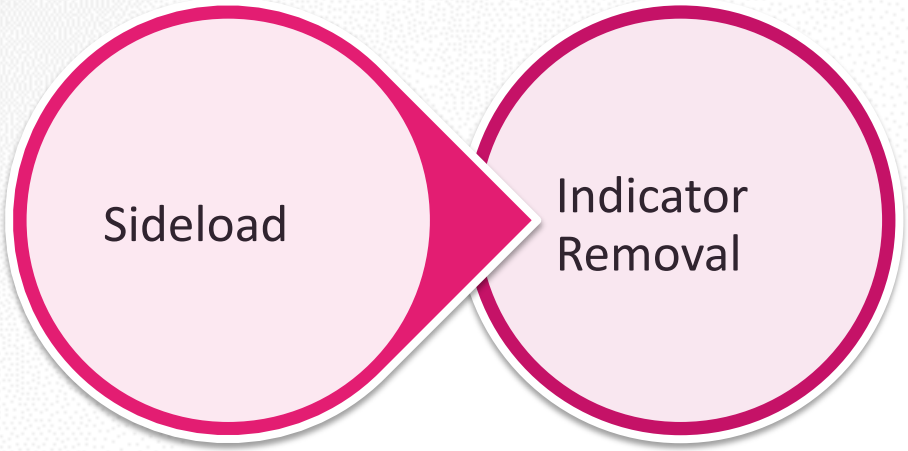


iOS Triangulation

iOS exploit raising permissions on the devices

By exploiting a vulnerability in iMessage, the hackers can raise permissions for the malwares by installing a hidden executable into the device.

- The targets are infected using zero-click exploits via the iMessage platform.
- The malware runs with root privileges, gaining complete control over the device and user data.



The initial message and the exploit in the attachment are deleted

Protection against iMessage vulnerability with Harmony Mobile

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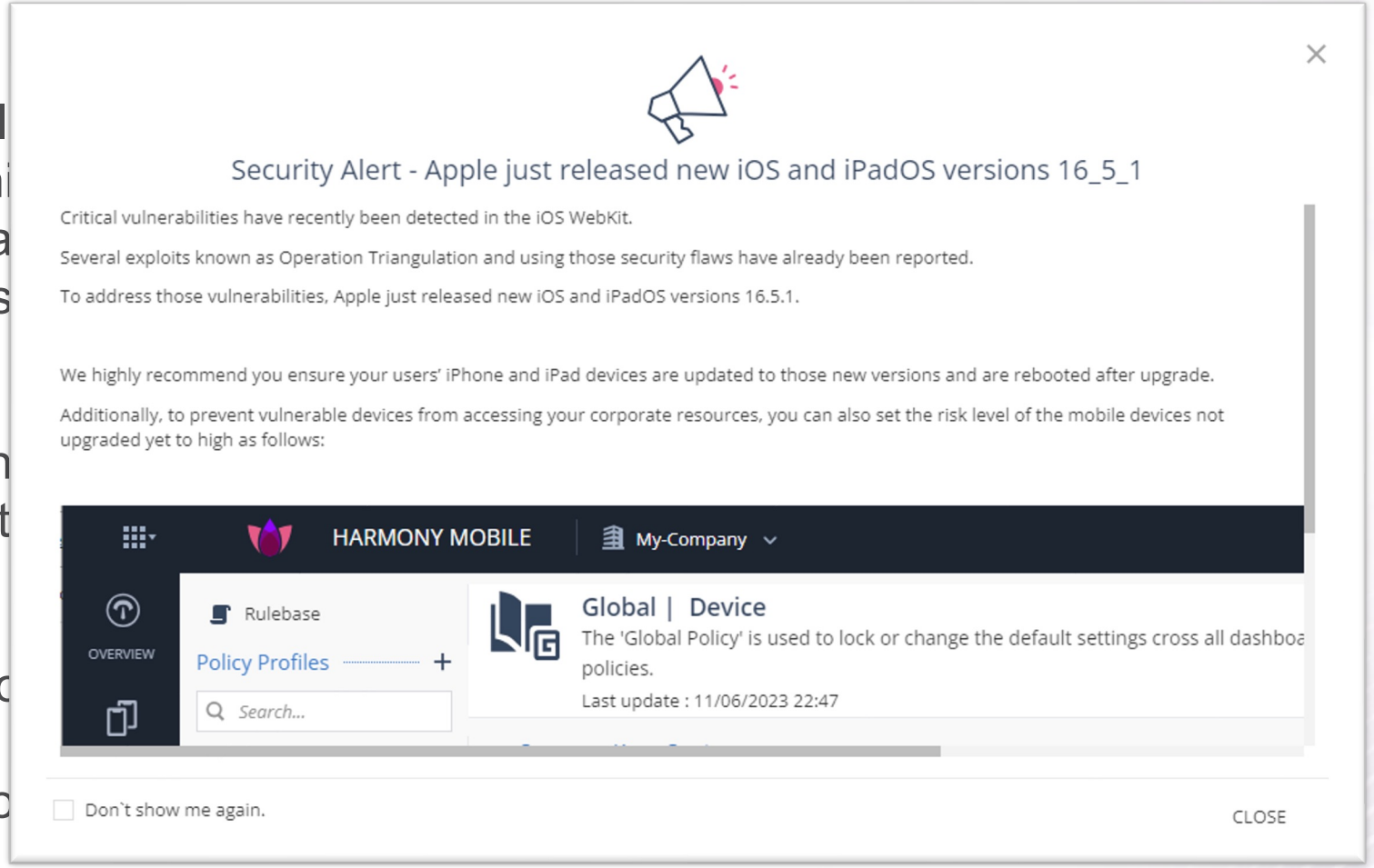
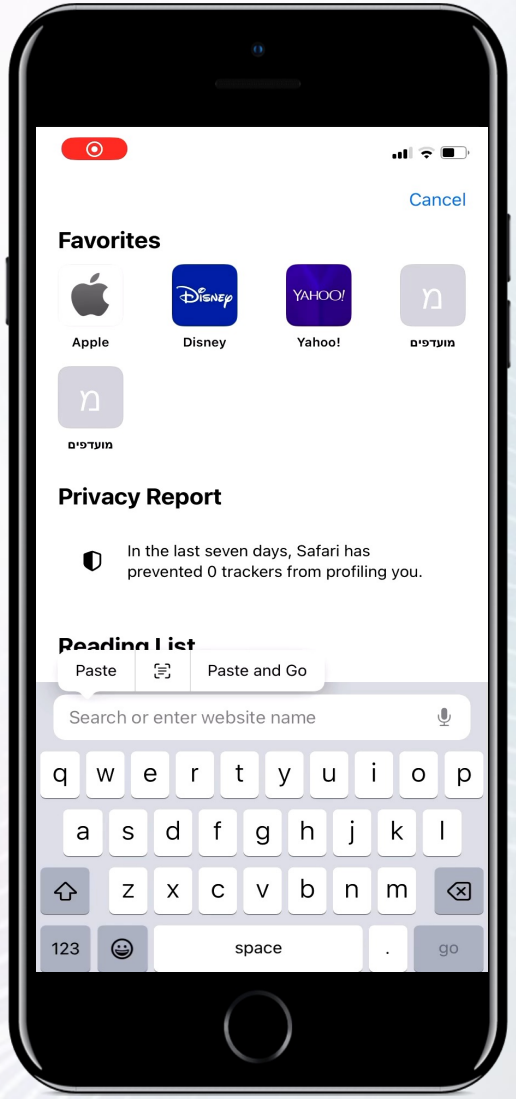




TRIADA

Malware family: TRIADA

Market segment: Consumers

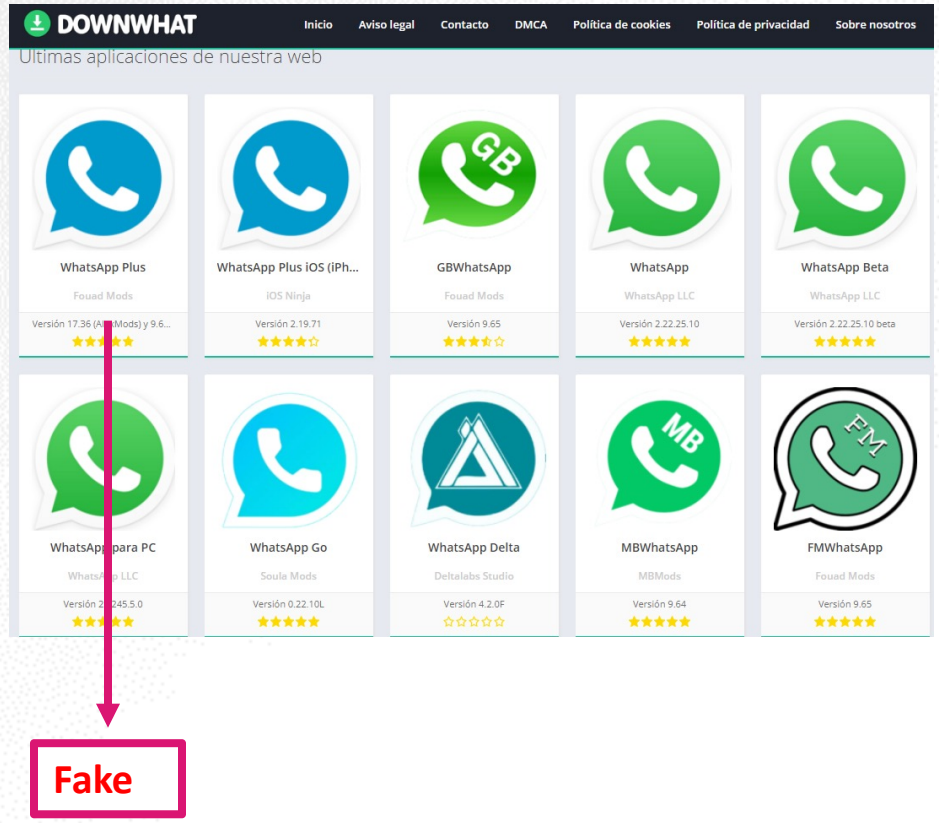
Damage :

- Steal data from the device,
- Download and run additional malwares
- Privileges escalations.

Anatomy of the attack

Delivered via innocent applications or add-on to existing applications, that usually need to be paid for.

After installation TRIADA running on the background and start executing the malicious logic, which uploading sensitive data to the hacker C&C,and can perform any kind of malicious actions based on the hacker desire.



Thank You!