How can technology assist victims of digital stalking?

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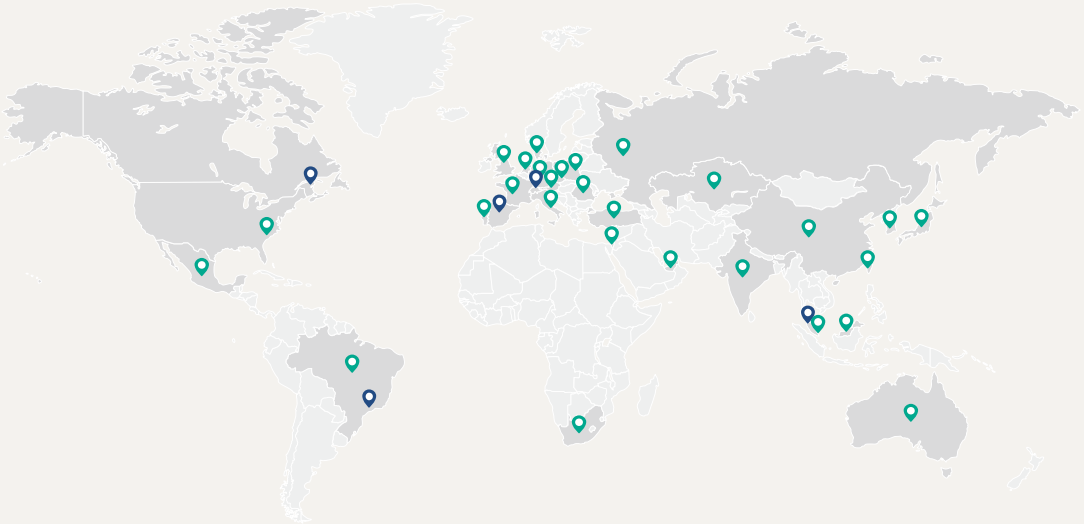
Bullet2022

ABOUT KASPERSKY



Founded in 1997 and present on 6 continents in almost 200 countries and territories

Provides innovative IT security solutions and services for business and consumers

Works closely together with public and private stakeholders to ensure people's security and safety.

>400,000,000

users worldwide are protected by our technologies

AGENDA

1. Basics: what is stalkerware
2. Background: what Kaspersky is doing
3. Overview: tools & tactics to detect stalkerware
4. Deep dive: TinyCheck
5. Q&A

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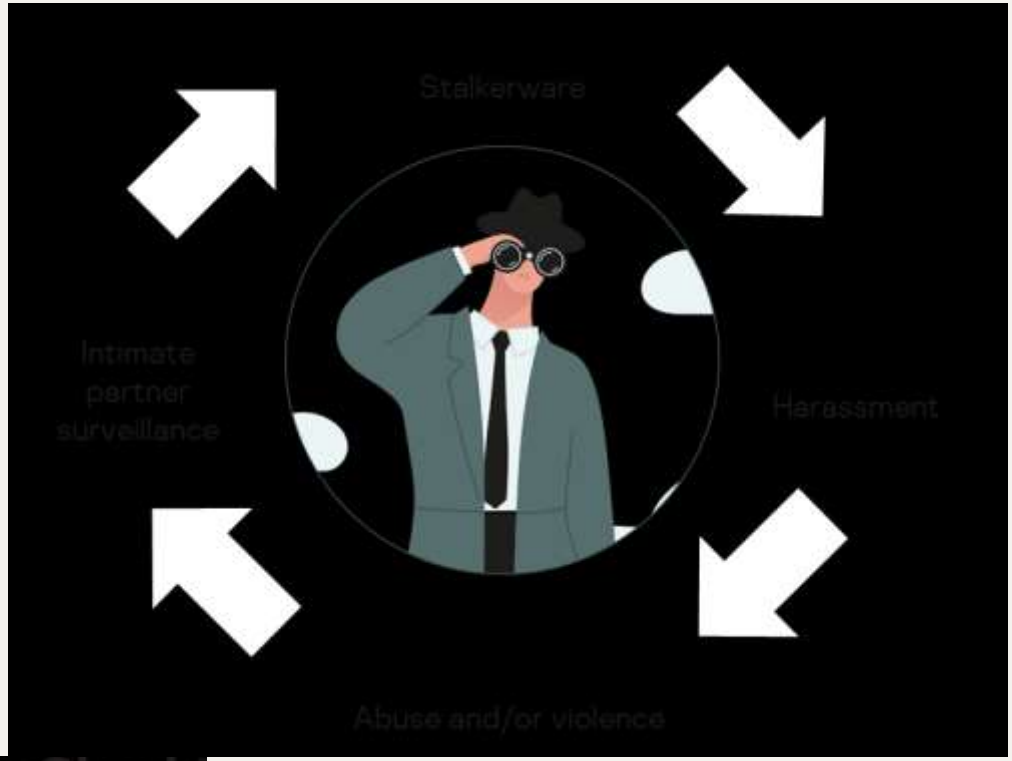
Stalkerware enables a perpetrator to secretly spy on another person's private life via a smart device.

The software is commercially available and has access to an array of personal data, such as:

- device location,
- browser history,
- text messages,
- social media chats,
- photos and more.

THE CONTINUUM BETWEEN ONLINE & OFFLINE VIOLENCE



In Europe, **70% of women** who have experienced cyber stalking, have also experienced at least one form of physical or/and sexual violence from an intimate partner.

Source: EIGE (2017). Cyber violence against women and girls

32,694

mobile users were by stalkerware globally in 2021*

4,236

in Europe

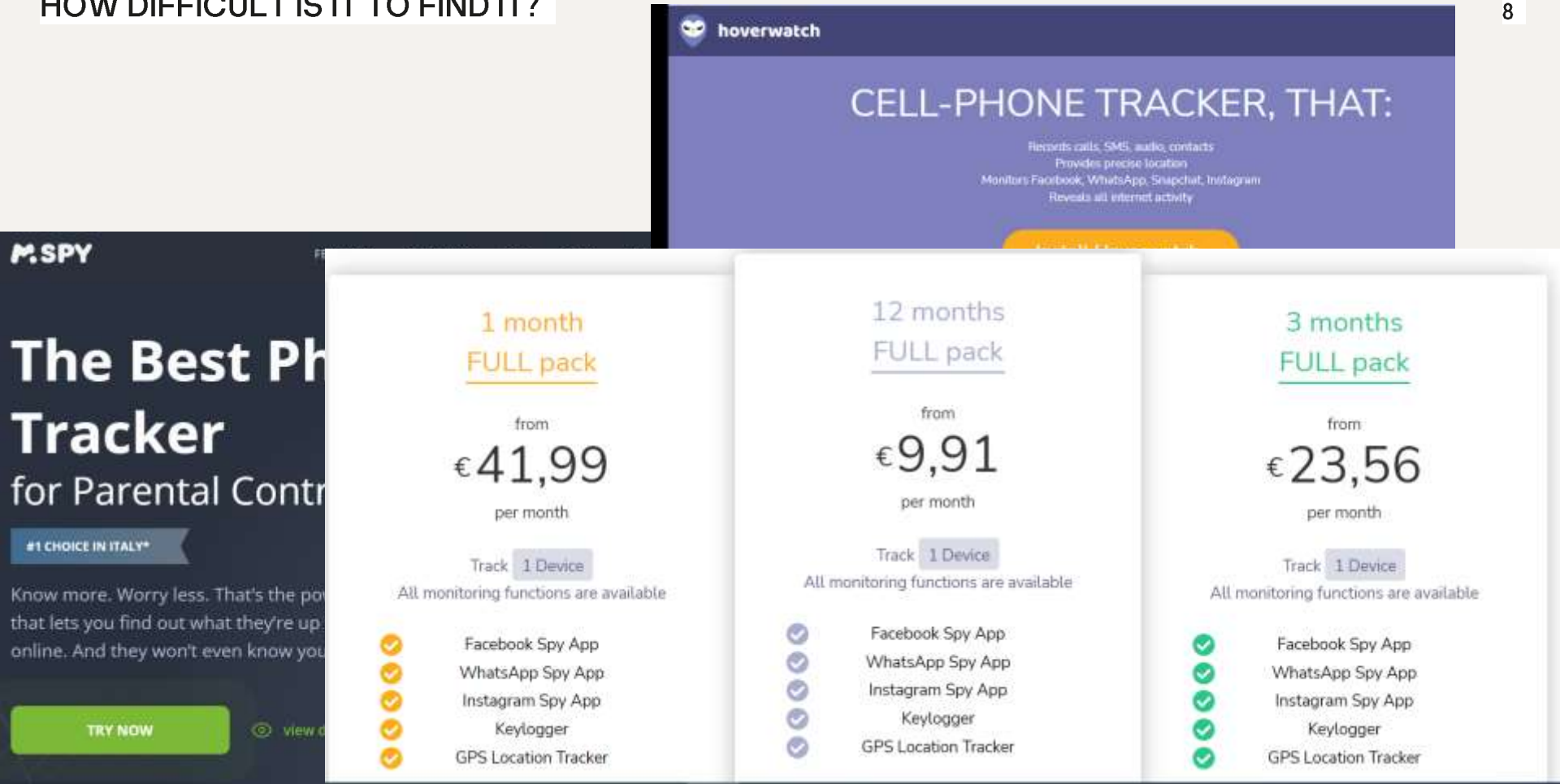
30%

People who see no issue with monitoring their partner under certain circumstances

The Coalition Against Stalkerware estimates that stalkerware usage likely exceeds one million instances per year.

Source: Kaspersky report "The State of Stalkerware in 2021", endorsed by the Coalition Against Stalkerware
Source: Kaspersky report: "Digital Stalking in Relationships"

HOW DIFFICULT IS IT TO FIND IT?



WHAT CAN AN ABUSER MONITOR USING STALKERWARE?

This varies between apps, but it may include:

- Real-time location (through GPS)
- Text messages (including WhatsApp, etc.)
- Social media conversations
- Phone call recordings and call logs
- Live video and voice recordings
- Browser history

Sometimes allows abuser to send messages from victim's device

TinyCheck

Call Data and Recording

Our android spy records all conversations on the device keeping a detailed log. You will be able to see both the contact's name and the duration of the conversation.

Stay invisible

Probably, the spy app's biggest advantage is its ability to remain completely hidden. Unless the owner of the phone knows exactly what to look for he or she won't be able to see the secret app. This also applies to instances when the device is unrooted.

Monitoring WhatsApp, Facebook, Viber, SMS and MMS

This spy mobile app stores all text messages, SMS and multimedia messages (MMS).

Front Camera Photos

This app can spy camera. You can view unlocked snapshots in the Reports section of your back-office

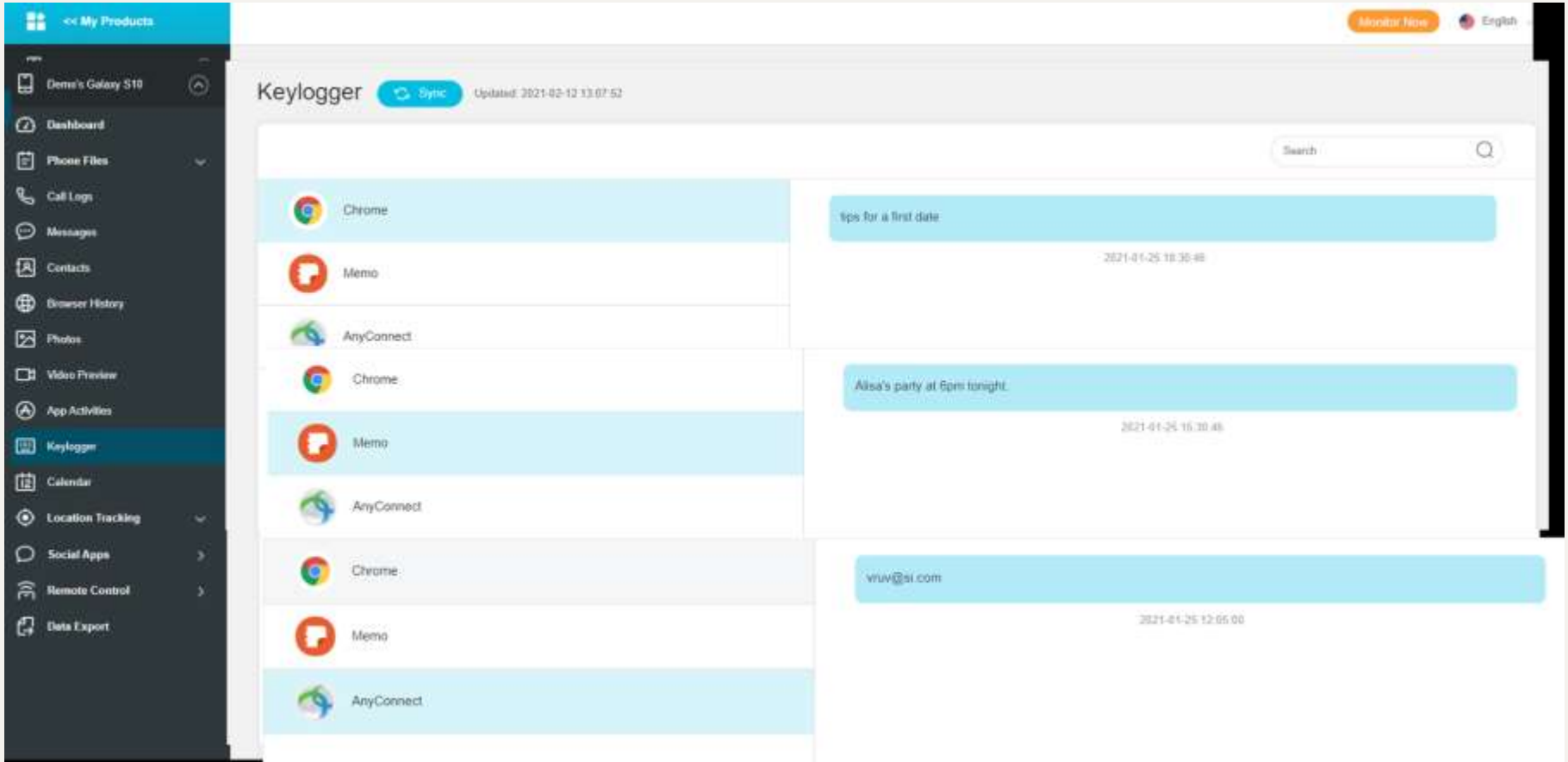
Location

The application allows you to track the location of the mobile with the Cell Spy installed. You don't need to worry about the battery draining quickly as the app's energy efficient algorithms will prevent this from happening.

Internet activity

The software saves all internet activity of the device it is installed on. This allows you to see the websites the owner of the mobile has visited.

PERPETRATOR'S PERSPECTIVE – REMOTE CONTROL



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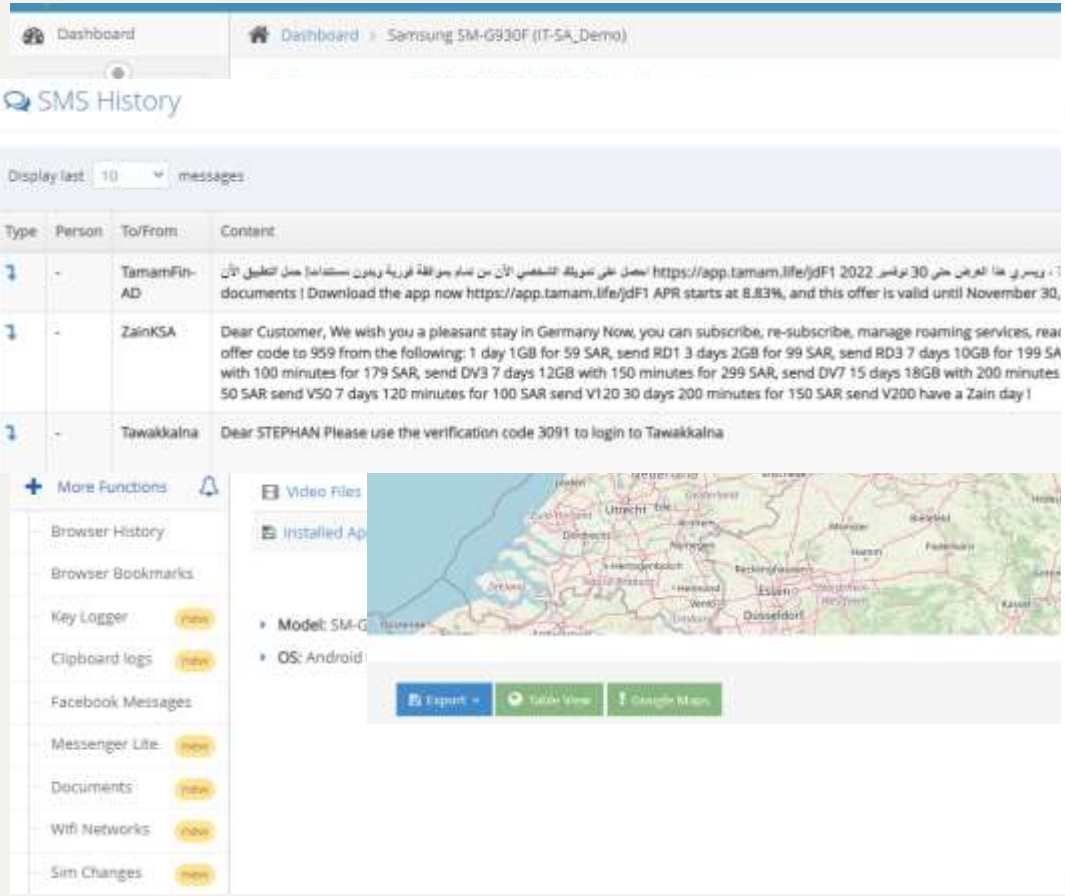

REMEMBER! IT'S NOT JUST STALKERWARE!

Other ways of tech abuse (examples):

- Shared social media and/or email password
- Fitness trackers / sportwatches
- Find-my-device apps
- Regular access to a phone
- Tags (AirTag/Tile)

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COLLABORATING & SHARING EXPERTISE

Co-founder and driver of the Coalition Against Stalkerware

Coalition Against Stalkerware

Project partner in the EU project „DeStalk“

DeStalk
detect and stop stalkerware and cyberviolence against women

Training by Kaspersky with INTERPOL

INTERPOL

State of Stalkerware Report

TinyCheck

CO-FOUNDER OF AN INTERNATIONAL ALLIANCE

Coalition Against Stalkerware

Founded in 2019 – today 40+ members from all over the world

Member organizations come from various fields:

1. Domestic violence victim support and perpetrator organizations
2. Digital rights advocacy
3. IT security companies
4. Academia/Security Research
5. Law enforcement

TinyCheck

PARTNER IN AN EU PROJECT

DeStalk

detect and stop stalkerware and cyberviolence against women

Supported by the Rights, Equality and Citizenship Programme of the European Union (2014-2020)

Project partners

Blanquerna UNIVERSITAT RAMON LLULL

kaspersky

UNA CASA PER L'UOMO società cooperativa sociale

REGIONE DEL VENETO

WWP // EUROPEAN NETWORK

Key output is an e-learning course on cyberviolence and stalkerware available in 5 languages. It is for professionals working in public authorities, victim support services and perpetrator programmes.

TRAINING FOR LAW ENFORCEMENT OFFICERS

ANNUAL STATE OF STALKERWARE REPORT

Every year Kaspersky analyzes the use of stalkerware around the world to better understand the threat it poses.

We partner with stakeholders across public and private sectors to raise awareness and find solutions to best tackle this important issue.

Find all State of the Stalkerware Reports & more here https://kas.pr/antistalkerware

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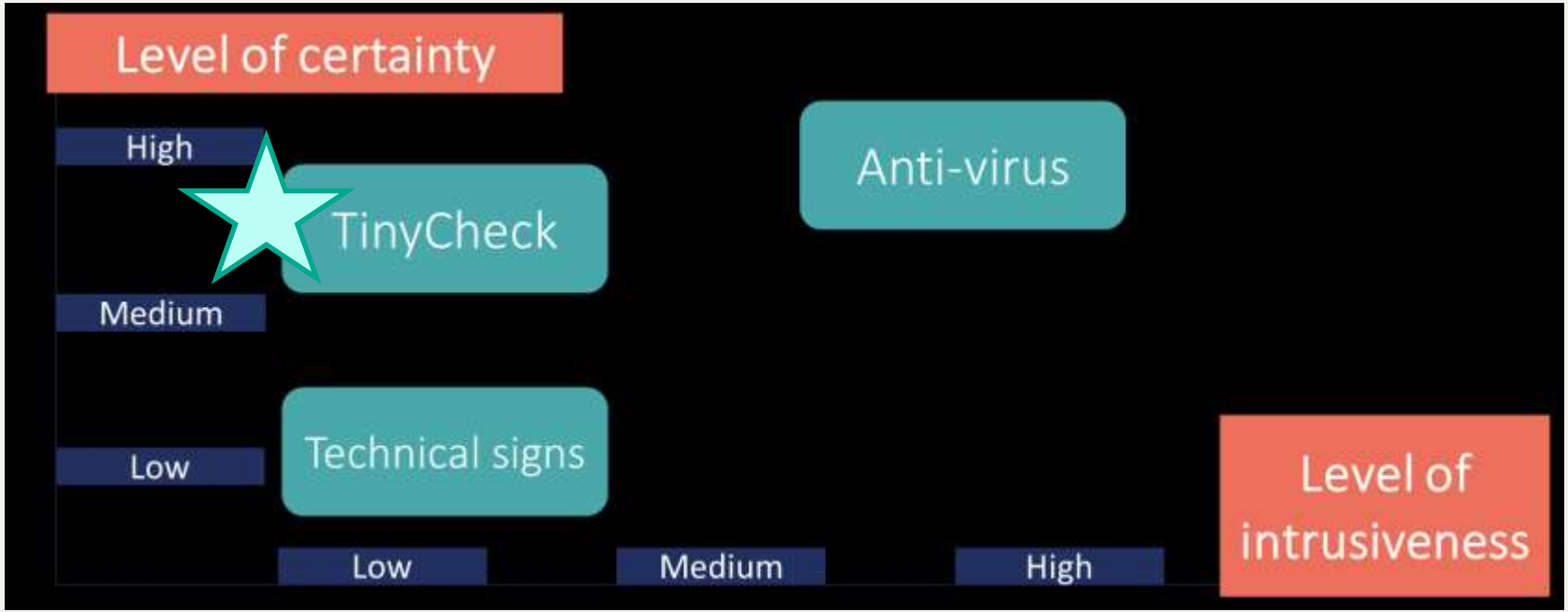
TOOL AND TECHNIQUES TO DETECT STALKERWARE



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INTRODUCING TINYCHECK

The goal of TinyCheck is to help non-profit organizations supporting victims of domestic violence and protect their privacy.

1

Perpetrator will not be informed

2

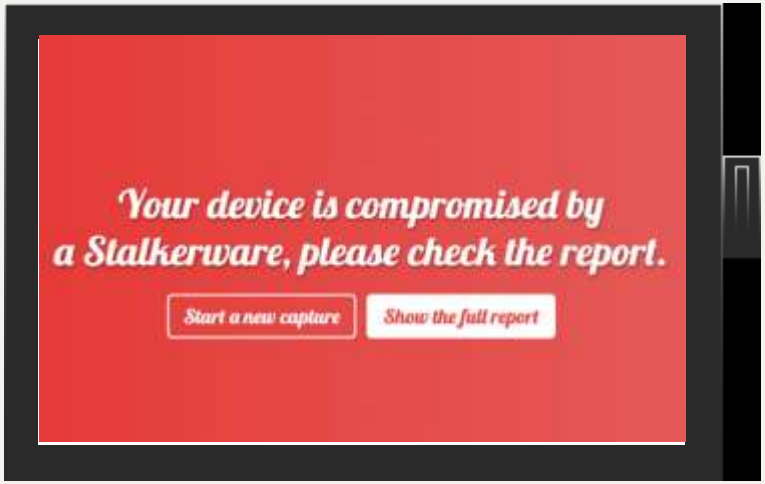
Check of all devices possible

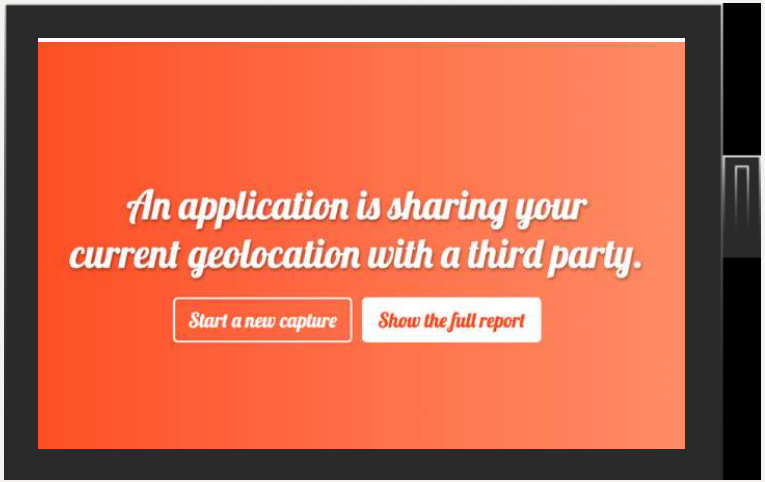
3

Affordable, open-source tool

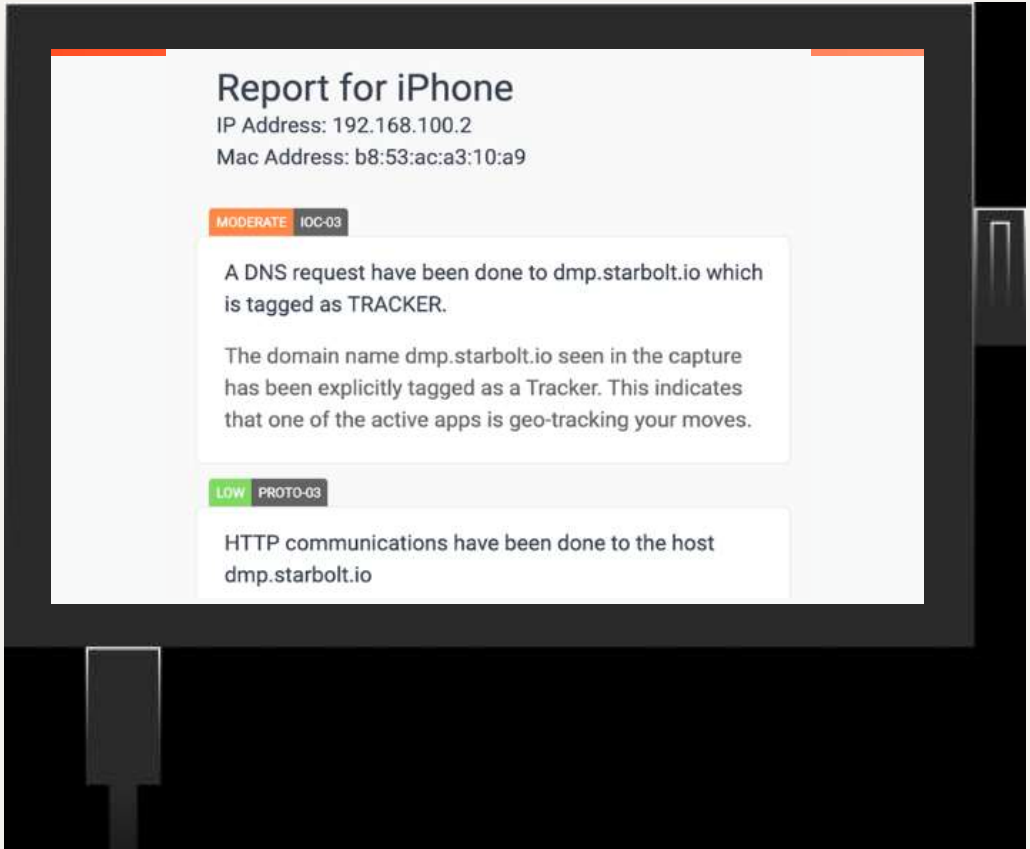
How it works

Quick verdict





Detailed report



Do the interception in a public place (library, restaurant...) or common place (office, home...);

Intercept the network communications of the device for at least 10 minutes;

Interact with the analysed device during the interception (reboot it, take a photo, send a message...);

WHAT DO YOU NEED TO BUILD TINYCHECK?

We are currently working with WESNET, the Australian peak body for Women's Domestic and Family Violence Services, to further test and develop TinyCheck to fit it better to the needs of workers in victim support servi

x

1. Collaborate on TinyCheck source code on GitHub https://github.com/KasperskyLab/TinyCheck

2. Support the Coalition Against Stalkerware

3. Educate yourself and others on the issue of tech faciliated abuse and how you might help to combat digital violence.

DeStalk

Supported by the Rights, Equality and Citizenship Programme of the European Union (2014-2020)

DeStalk European replication event

"Tackling the digital dimension of violence against women"

Friday December 16

9:30 - 12:30 CET

Virtual event

Register at https://tinyurl.com/destalkregistration

Or scan the QR code

Registration link

TinyCheck®

Let‘s talk!

info@tiny-check.com

Any questions?

Check out

www.tiny-check.com