Securing data of multi-modal transport systems end-users

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Italian Web Conference – 15 December, 2021
Kaspersky Mobile Security SDK and Genova Mobile App

- Collaborative Threat Investigation Platform (CTIP)
- CPaaS
- Mobile App
- Risk Analysis and Impact Assessment (RITA) engine
- KMS-SDK

Vulnerabilities of the mobile app and the mobile device
Threats of the mobile app and the mobile device

Passengers
Kaspersky
Mobile App

CPaaS
AMT Mobile App Backend Server

AIRBUS
SIEM

UNIVERSITY OF PIRAEUS RESEARCH CENTER
Risk Analysis and Impact Assessment (RITA) engine
# KMS – SDK for iOS & Android

Integrating security measures in the Genova mobile apps

## Risk Detection
- Root detector.
- Insecure settings detector.
- Unknown apps detector.*
- Malicious apps detector.*

## Device Protection
- On-Access scanner*.

## Web & Network Protection
- DNS spoofing checker.
- Certificate Validation.
- Wi-Fi Safety Analysis.
- Website reputation analysis.

## Data Protection
- Secure Input technology vs Keyloggers.
- Secure storage for sensitive data.

## Self Defense
- Protection from 3rd party exploitation*.
- Method implementation replacement detector*.
- Digital signature verification*.
- Debugging detection*.

### Notes:
- Feature available only for Android

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KMS – SDK for Android Demo

Assessing device

Risk Detection
✓ Root detector.
✓ Insecure settings detector.
✓ Unknown apps detector.*
✓ Malicious apps detector.*

Web & Network Protection
✓ DNS spoofing checker.
✓ Website reputation analysis.

Securing connection

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Kaspersky Threat Data Feeds and the CitySCAPE Collaborative Threat Investigation Platform (CTIP)
Kaspersky CyberSafety Management Games

Target Audience
- Onsite edition:
  - AMT administrative area employees.
  - AMT operational area employees.
- On-line edition:
  - More than 50 regular passengers (Genoa + Tallinn).
Domande?

Grazie!

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