MORE THAN HALF OF TODAY'S CRIME HAPPENS ONLINE

- Ransomware spread through many channels
  - Online banking attacks and hoaxes
- Attackers use phishing to steal sensitive information
  - Mobile devices are the most used devices
  - F-Secure vs. free antivirus software

Source: NCA, Nation Crime Agency

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RANSOMWARE

Ransomware attacks in 2017 increased by 415 percent compared with previous year.

- Ransomware is a type of malicious software that threatens to publish the victim's data or perpetually block access to it unless a ransom is paid.
- Crypto-ransomware encrypts the files on a computer, essentially scrambling the contents of the file so that you can't access it without a decryption key that can correctly unscramble it.
- A ransom fee is usually around $300 to $500 for a computer, and payment is often demanded in Bitcoins, a virtual currency that is difficult to trace.
- Ransomware spread e.g. through email attachments and links, through malicious websites and advertising, vulnerable software, and from computer to another.

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ONLINE BANK ATTACKS

Banking trojans spread e.g. through malicious email attachments

- Usually users are infected when visiting an infected website or by clicking an malicious email attachment.
- A trojan sets up on a device and is able to identify when a user is visiting online bank.
- Trojan directs a user to a fake online bank site which looks like the original site.
- After that criminals have all the information and details they need for taking the money of the user.

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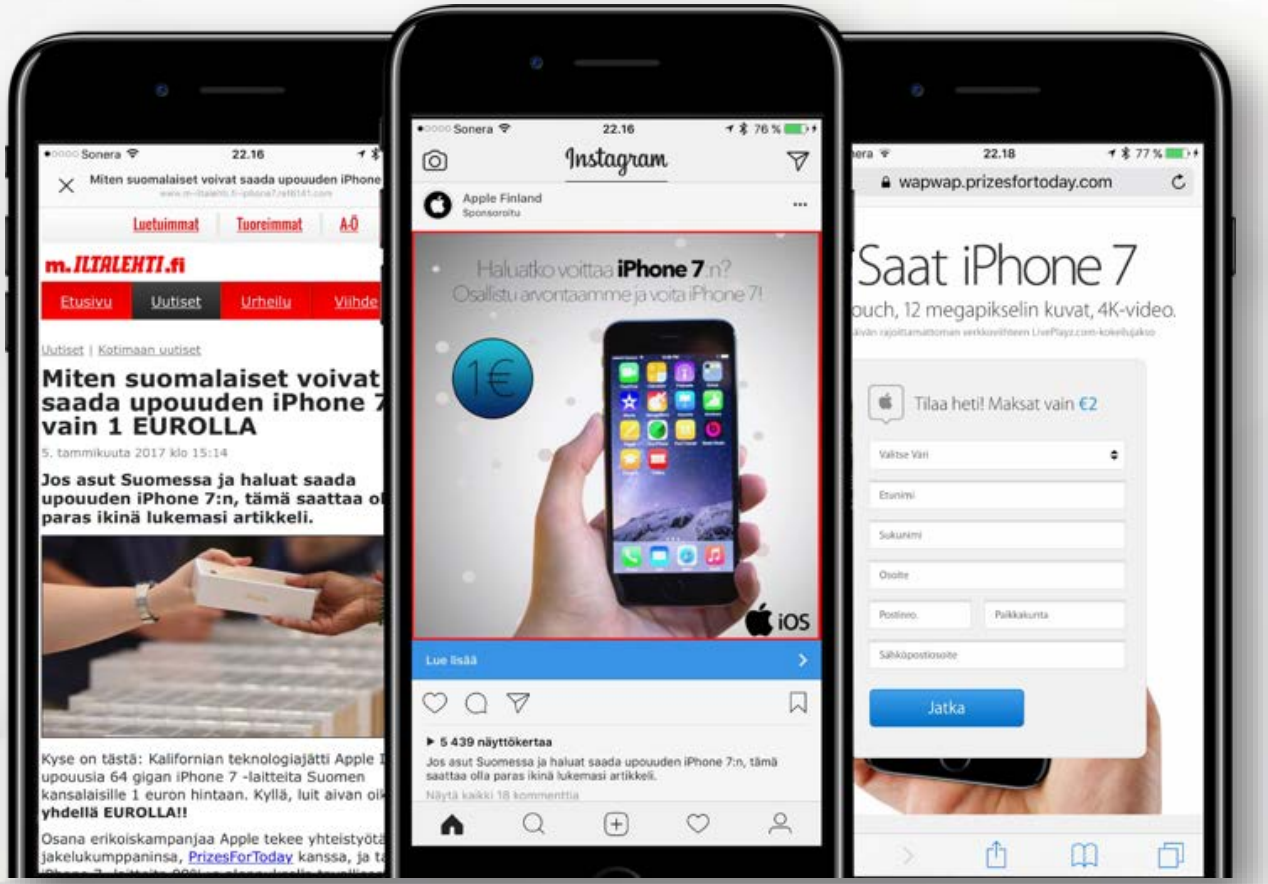
PHISHING

Internet and especially social media is full of different hoaxes



- Attackers use phishing emails to manipulate victims into disclosing sensitive information.
- The actual device is not necessarily infected but information is pried from a user.
- The hoaxes are usually done using good language and a well-known brand. The user trust the brand and don't realize it's a hoax.
- Attackers are usually looking for credit card details, passwords, user identifications, and online banking access code.

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MOBILE DEVICES
ARE THE MOST USED DEVICES

- Phones are the most used and the most private devices of ours.
- Phones often include more information about us than any other device: social media content, pictures, emails, text messages, videos, etc.
- We used them for online banking and online shopping.
- In addition to personal information, mobile devices often have classified data about the company a user is working at.

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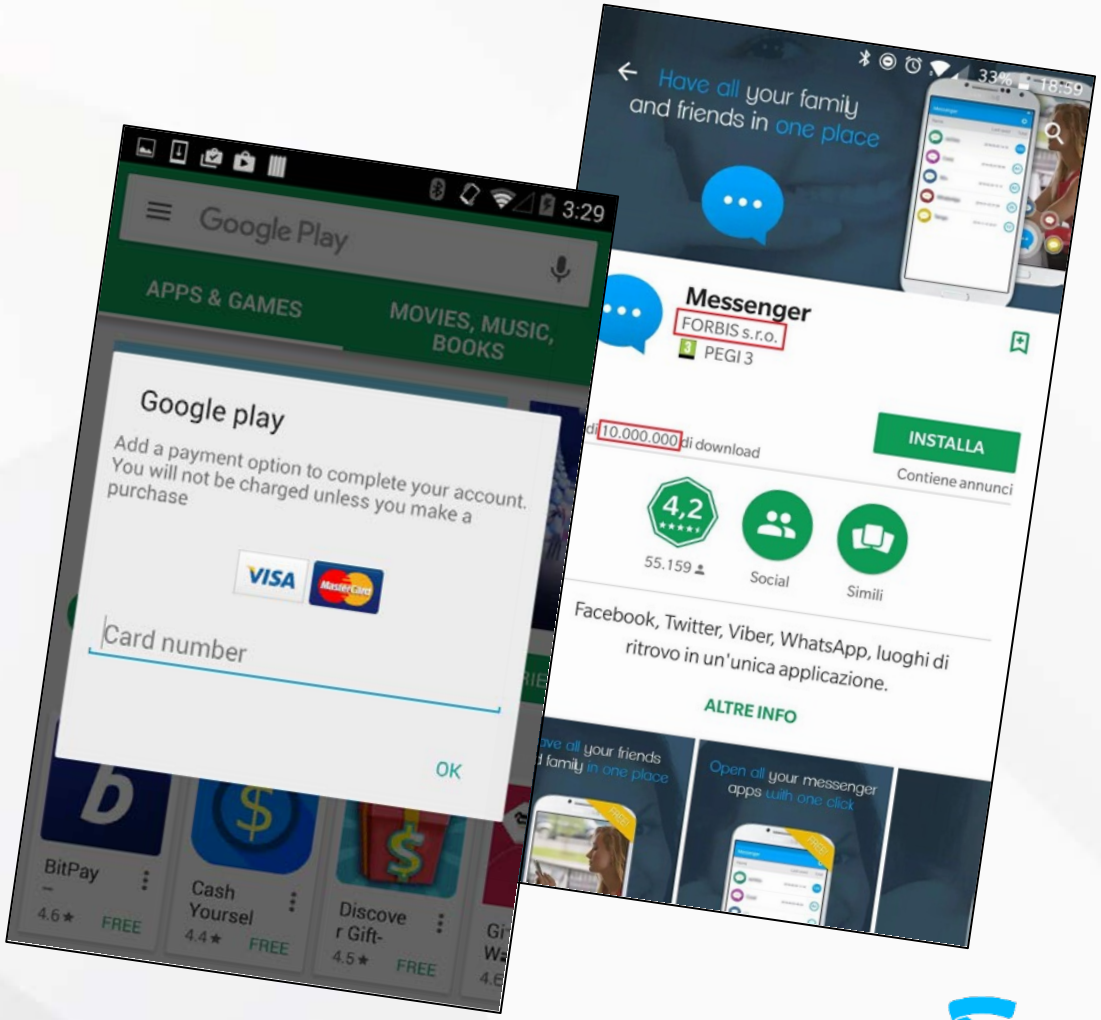
WHAT DO ANDROID MALWAREM DO?

- Sends SMS text messages to chargeable numbers.
- Steals user account details, passwords, phone numbers, bank account details, and credit card details.
- Copies content like pictures and text messages etc.
- Highjacks your device for bitcoin mining.
- Spreads online bank trojans and ransomware.
- Also Google Play have had some online bank trojans!



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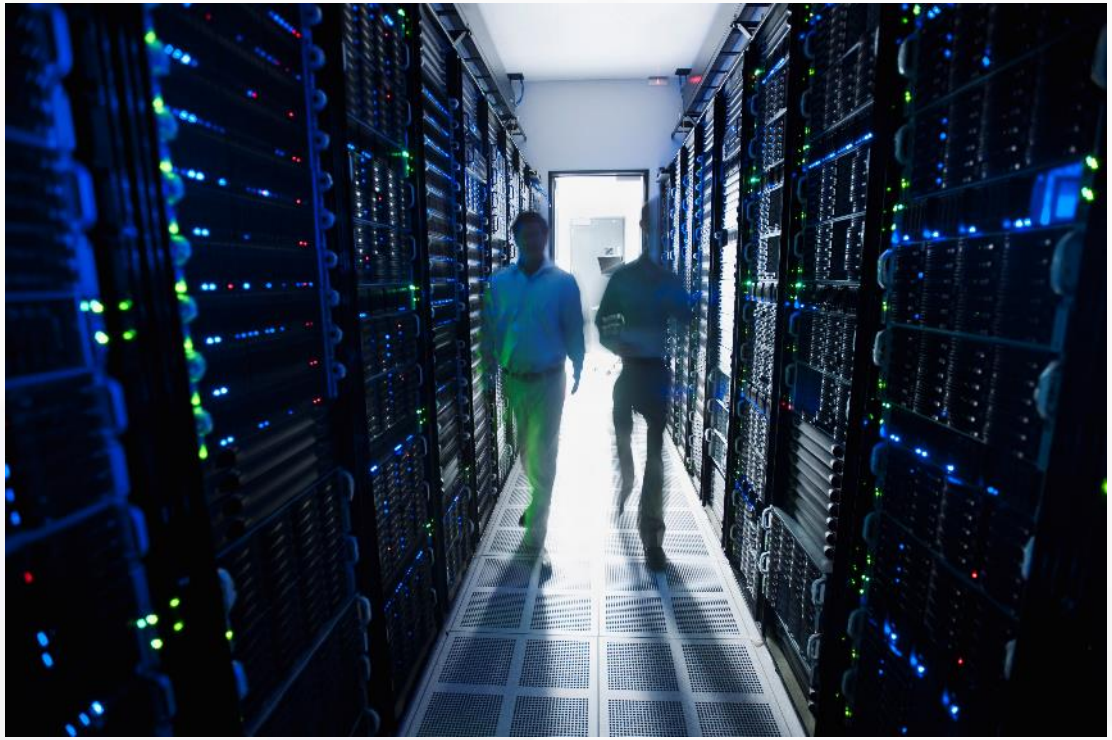
F-SECURE VS. FREE ANTIVIRUS

- Free antivirus software is often only to advertise the subject to a charge software – it doesn't provide full protection
- Only a paid version gives a full security and privacy protection
- F-Secure offers free customer support and service in case of any problems – free antivirus providers don't have this benefit
- F-Secure is the best in class and protects a user in a best possible way – F-Secure's labs is constantly developing F-Secure products and finding new ways to protect the customers



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vip.f-secure.com