



openHPI Course: Cyberthreats by Malware

Malware

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Malware

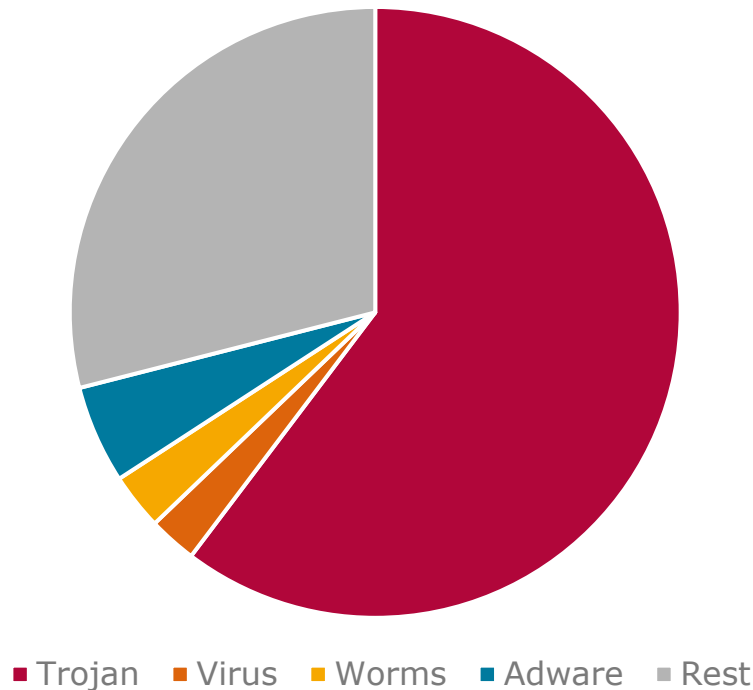
Malware – **malicious software** – is smuggled over the Internet by hackers and cybercriminals onto the device of an unsuspecting user in order to act in the interests of the cybercriminals

Objectives

- Limitation of the working capacity of the system
- Destruction or manipulation of data
- Password theft
- Espionage and sabotage
- Blackmail
- Remote control
- ...

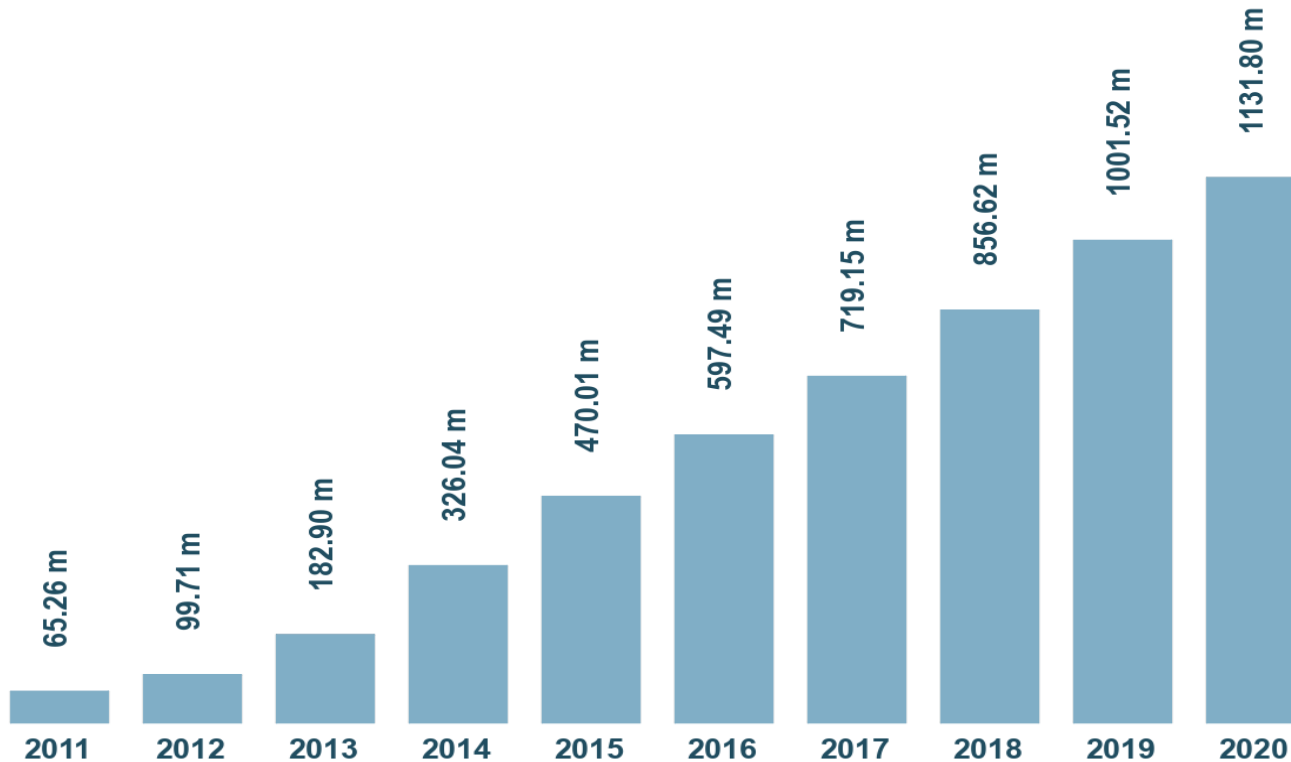
Malware Types

- There are many different **types of** malware with very different attack vectors
- Usually **several malicious functions** are combined within one malware



Source: Panda Security. "PandaLabs' Annual Report 2015"

Billions of Malwares

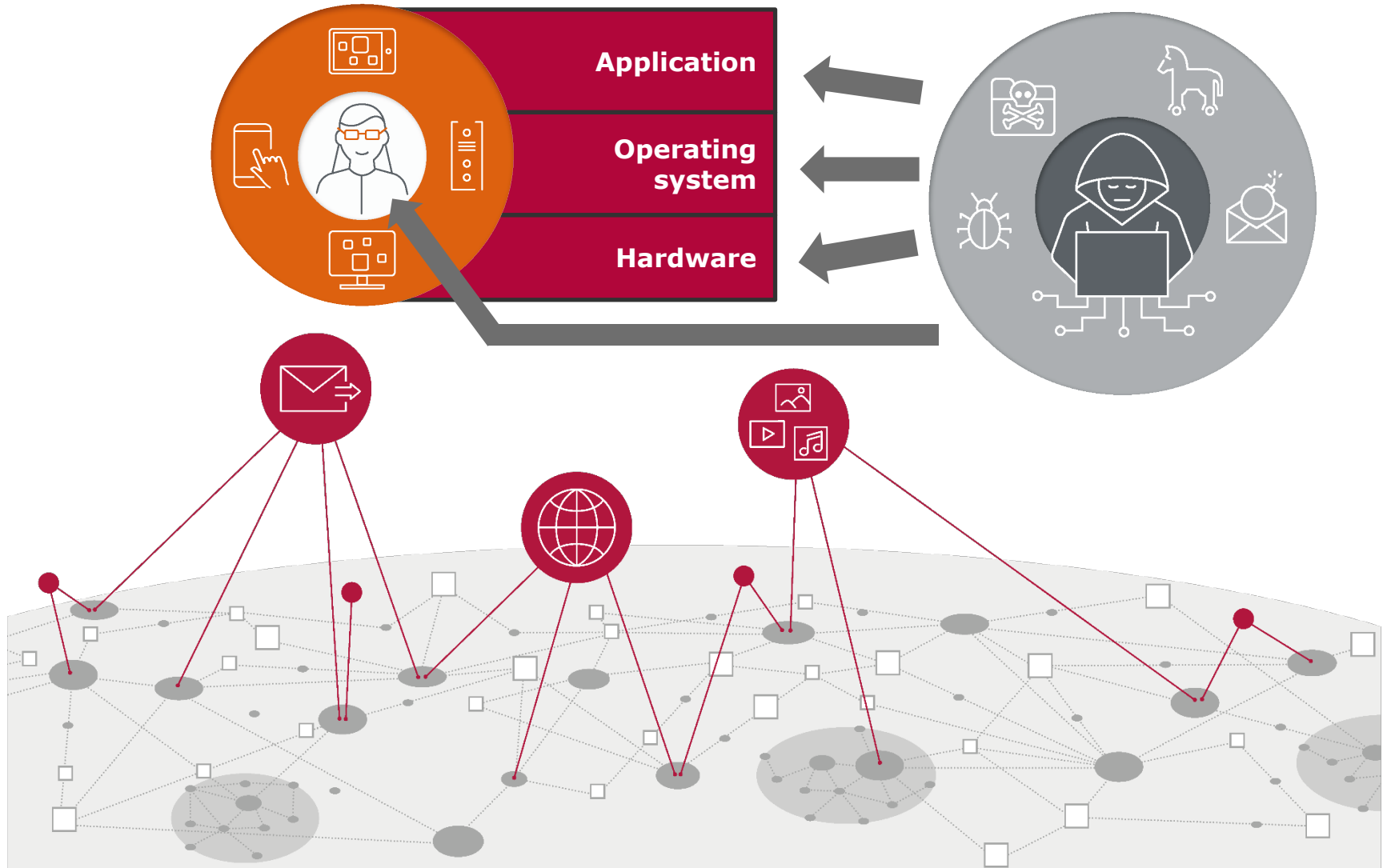


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Source: <https://www.av-test.org/en/statistics/malware/>

Malware Targets



Malware and All Its Variants

In the following learning clips of this and the next week, we will look closer into **different variants of malware**, such as:

- Virus, Worm, Trojan
- Botnets
- Rootkits & Backdoors
- Adware, Scareware
- Ransomware
- Keylogger
- ...