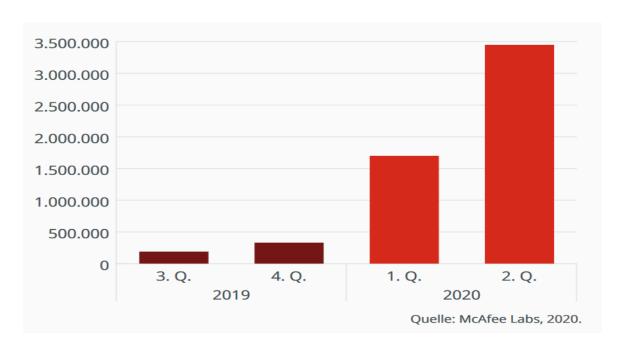




Malware: An Ever Growing Threat

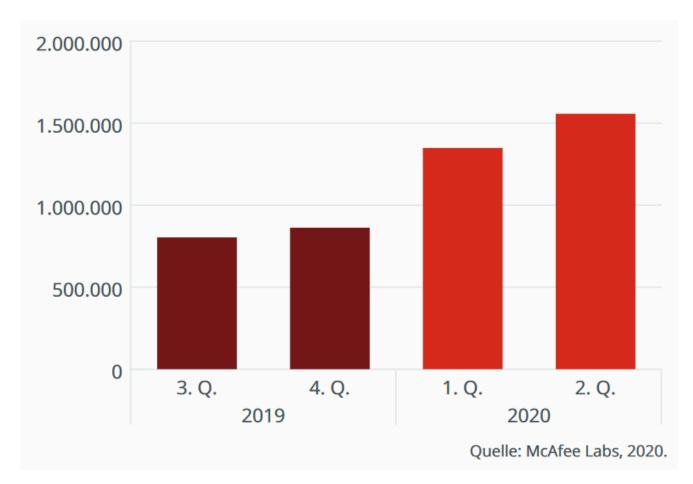
- Over the intervening years we have seen an enormous growth in malware – malicious software
- In 2020 during the Corona crisis malware was targeting various work-from-home software solutions
- New Malware variants for attacking Microsoft 365 Software:





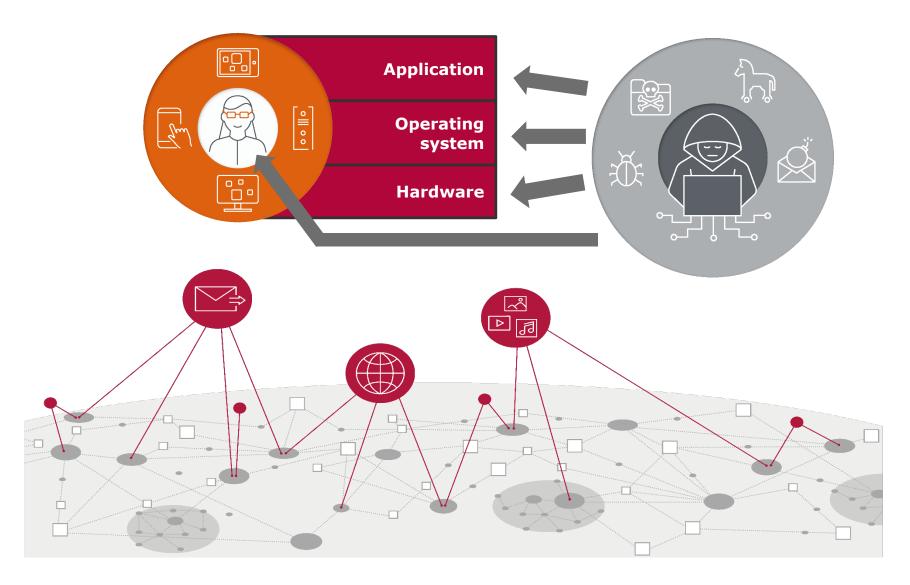
Malware: Growth Targeting Mobile Devices

New Malware variants targeting mobile devices





The Many Targets of Malware Attacks



Malware – A Central Attack Vectors in Cyberspace



Malware – **malicious software** – is one of the central weapons of cyber criminals:

- Any device is a potential target for malware
- Malware can target both: Users and (service) providers
 - home computers
 - smartphones
 - IoT-Devices such as Lamps, Fridges...
 - servers & websites on the Internet
 - ...
- Malware makes it especially easy for the cybercriminals to attack computer systems and user

openHPI Course: Cyberthreats by Malware Course Overview – First Week



This course is all about the topic:

"Cybertreaths by Malware"

In the first week, we will provide you with general information on malware attacks:

- Why is the Internet an interesting target for malware attacks?
- Who are attackers on the Internet?
- How does one get infected with malware?

Excursus on Advanced Persistence Threats

openHPI Course: Cyberthreats by Malware Course Overview – Second Week



This course is all about the topic:

"Cybertreaths by Malware"

In the second week, we will have a closer look at ...

- The different kinds of malware
 - Viruses, Worms, Trojans
 - Ransomware, Scareware
- Protective measures against malware

Excursuses on firewalls and anti-virus-scanner





Prof. Dr. Christoph Meinel







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- Head of the Chair "Internet Technologies and Systems"
- Research focus: Security Engineering, Learning and Knowledge
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Daniel Köhler

- Security Engineering
- Netzwerksicherheit



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- Enterprise Storage Solutions