



Recap Course Week 1



We provided a general overview of the cyberattacks by malware:

- Why is the Internet at all and each single user such an interesting target for malware attacks?
- Who are the attackers on the Internet?
- How does one can get infected with malware?
- What are the reasons for malware infections?
 - human factors
 - technical failures





This week we will consider the different types of malware:

- One differentiation of malware is by the way they spread:
 - **□ virus**
 - □ worm
 - trojan
- Malware can also be differentiated by the actions it takes
 - exfiltrate data
 - manipulate systems
 - □ ...





We will consider the most-common types of malware:

- Botnets
- Rootkits and Backdoors
- Adware and Spyware
- Scareware and Rogueware
- Ransomware
- Keylogger





Furthermore, we will highlight some interesting malware examples:

- Emotet "The Social-Engineering Malware"
- Carberp "The Phishing Malware"

In order to support you to protect yourself we will discuss some **protective measures** against malware attacks

Finally, we offer two excursuses about:

- Firewalls
- Anti-Virus-Scanner