



Ministerie van Sociale Zaken en
Werkgelegenheid

(Cyber)security



Cybersecurity

- What is cybersecurity?
- Is there a general definition?
- Cybersecurity is the practice of protecting systems, networks, and programs from digital attacks.



Cyberattacks

- A cyberattack is a malicious and deliberate attempt by an individual or organization to breach the information system of another individual or organization.
- Cyberattacks are usually aimed at:
 - accessing, changing, or destroying sensitive information;
 - extorting money from companies/users;
 - or interrupting normal business processes.
- Cyber attacks hit companies every day



Cyberattacks

- Common types of Cyber attacks
 - Malware
 - Phishing
 - Man-in-the-middle attack
 - Denial-of-service attack
 - Structured Query Language (SQL) injection
 - Zero-day exploit
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European legislation and agencies

- Cybersecurity Act (Regulation 2019/881)
- eIDAS (Electronic IDentification Authentication and trust Services – Regulation 910/2014)
- GDPR (*General Data Protection Regulation* - Regulation 2016/679)
- *NIS (Directive on Security of Network and Information Systems - 2016/1148)*
- The European Union Agency for Cybersecurity (ENISA)



Cybersecurity and critical Infrastructure

- Deliberate disruptions of critical automation systems prove that cyberattacks have a significant impact on critical infrastructures and services.
- Critical infrastructures are for instance:
 - electricity generation plants,
 - transportation systems
 - manufacturing facilities
- Industrial Control Systems (ICS)
 - SCADA system (Supervisory Control and Data Acquisition)
 - Distributed Control Systems (DCS)
 - Programmable Logic Controllers (PLC's)



Security

- What is security?
- Security is the protection of a person, building, organization, or country against threats.
- What means security for a Seveso-company?
- Prevent that unwanted persons or organizations become a threat for instance by ensuring that unwanted persons or companies can't enter the site/company/systems.



Cybersecurity & Seveso III directive

- Is cybersecurity an issue for Seveso-companies?
- Can a major accident occur due to cybersecurity?
- Is cybersecurity a Seveso issue?