


## IT-Security

 Duration: 1 Days

 Available Languages: English

### Audience

Employees dealing with potentially security-relevant IT infrastructure.

### Precondition

General knowledge of how to use computers.

### Goals

Learn how to be more safe when using computers and protect yourself and your organization against certain types of attacks. Obtain a basic understanding of IT and Cyber Security.

### Contents

- Account Management, Secure Passwords, 2-Factor Authentication
- Cryptography Basics
  - Message Digests
  - Symmetric Cryptography, Secret Keys
  - Asymmetric Cryptography, Public / Private Key Pairs
  - Digital Signatures
  - Certificates
- How to use GPG
- Dealing with Credentials in Software
- Securing Network Connections
- Attack Types and How to Protect Yourself
  - Malware (Viruses, Worms, Trojan Horses, Backdoors, Rootkits)
  - Phishing, Hacking, Social Engineering
  - Network attacks (Spoofing, Man-in-the-Middle, DOS/DDOS)

### Booking

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