

IT-Security

Exercise 8

In this exercise, we look at the top 10 critical security risks of web applications, the **OWASP Top 10** -2021.

- **A2 Cryptographic Failures**
- **A4 Insecure Design**
- **A5 Security Misconfiguration**
- **A8 Software and Data Integrity Failures**
- **A9 Security Logging and Monitoring**
- **A10 Server-Side Request Forgery (SSRF)**

The security risks A1 (Broken AccessControl), A 3 (Injection), A6 (Vulnerable and Outdated Components), A7 (Identification and Authentication Failures) are considered in the lecture. We deal with the remaining risks in the exercise:

- We form teams of two people and spread the six risks.
- Read your risk and research in the given sources and on the Internet.
- Prepare a presentation with slides.
In it, you should explain the security risk, list typical vulnerabilities, show examples and explain strategies for defense.
- Present your security risk to the other participants.

Here you can find the information about your task

<https://owasp.org/www-project-top-ten/>