

Uni App Security Notes

Felix Pojtinger

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Introduction

Contributing

License

Organization

Overview

Elements of a Secure Development Process

Support Hierarchy

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These study materials are heavily based on [professor Heuzeroth's "Anwendungssicherheit" lecture at HdM Stuttgart](#).

Found an error or have a suggestion? Please open an issue on GitHub (github.com/poijntfx/uni-appsecurity-notes):



Figure 1: QR code to source repository

If you like the study materials, a GitHub star is always appreciated :)

License

License



Figure 2: AGPL-3.0 license badge

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Organization

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- ▶ 60 Minutes of test at the end
- ▶ Will have practical examples
- ▶ Threat detection plays a fundamental role in tests

Overview

Elements of a Secure Development Process

Elements of a Secure Development Process

Primary purpose: Analysis of the data flow; data is both protected by the GDPR and represents value of the corporation

▶ Requirements

- ▶ Security-Requirements
- ▶ Anti-Requirements
- ▶ Abuse cases
- ▶ Protection poker
- ▶ → **Security analysis/architecture analysis**

▶ Draft

- ▶ AuthN/AuthZ
- ▶ Drafting concepts
- ▶ **Risk modelling**

▶ Implementation

- ▶ Secure implementation guidelines
- ▶ **Code review, dynamic analysis**

▶ Tests

- ▶ Security testing plans
- ▶ Security testing cases
- ▶ **Ethical hacking, pentesting, dynamic analysis**

Support Hierarchy

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- ▶ **Level 1:** Direct support with customers; call center, non-technical
- ▶ **Level 2:** People who know about typical problems with the software
- ▶ **Level 3:** Developers of the software