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HMTS HM Training Solutions

Training:

TLS in the Enterprise

Date of the online training: **November 03-04, 2021**

Overview

In our our training we will cover attacks against TLS/SSL in theory and in practice, discuss their relevance for the enterprise and talk about reasonable mitigating controls.

The training will demystify TLS/SSL Security because today it seems to be hard to run a secure TLS configuration without breaking functionality. So after some basic introduction about history and cryptology we will dig into certificate problems, crypto attacks, work with most important tools and walk through the common SSL vulnerabilities. We will explain each vulnerability, do a demo or hands-on if possible, discuss relevance and pitfalls within the enterprise context and give recommendations for mitigating controls (e.g. example configs for Apache, Nginx, IIS, Tomcat, Jboss).

And don't forget to bring a laptop with administrative privileges, this is a hands-on training, and you have to install tools, if you would like to participate in the exercises.

Prerequisites

- Basic knowledge about networking and protocols (tcp, udp, http, smtp)
- Some experience in working with the command line over SSH
- Basics about configuration of web, mail and application servers

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Requirements

Laptop with

- SSH client
- Wireshark (portable version suffices, drivers to capture traffic not required)

About the Trainer

Frieder Steinmetz earned his Master's degree on the security of embedded and cyber-physical devices from the Technical University of Hamburg. He has a background in cryptography, published work on the security of encrypted messaging protocols and malicious USB devices. He works as Security Analyst at ERNW GmbH. His work focuses on pentesting mobile and embedded devices, as well as their back-end communication and infrastructure. He regularly gives Trainings on subjects such as RFID/NFC Hacking, web application pentesting and communications security.

Dennis Heinze is working as a Security Analyst & Researcher at ERNW GmbH. He earned his Master's degree in IT-Security at TU Darmstadt with a focus on network and system security. In the past, he published research on the Bluetooth technology in the Apple ecosystem with a special focus on the analysis and security of Bluetooth protocol implementations. In his work at ERNW, the focus of his work is on pentesting mobile and embedded devices as well as their communication and back end systems.

Booking

Recommended online booking of trainings through:
https://tickets.ernw.de/troopers/tr21training/

Contact

Need assistance? Don't hesitate to call us. We are fluent in English and German. +49 6221 480390 or info@troopers.de

Booking is also possible offline through your trusted partner:

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