

Simulating the attacker's point of view

ESCRYPT CTF Security Workshop



Capture the flag (CTF): The hands-on introduction to automotive cybersecurity

Increasing complexity and connectivity imposes new attack vectors and potential vulnerabilities on increasingly software-defined vehicles. Thus, it is imperative to keep automotive security awareness high, to constantly improve cyber resilience of the vehicles in order to fulfill regulatory and customer requirements .

Simulation of a cyber attack

ESCRYPT Capture the flag (CTF) security workshop provides you with a close to reality environment to exercise your automotive security skills. In different challenges based on real life applications and scenarios, you will simulate offensive security engagements.

Wide set of categories

- Automotive
- Miscellaneous
- Reverse Engineering
- Web
- Mobile
- Forensics
- Penetration Testing Introduction

Learning by doing

ESCRYPT CTF security workshop provides you with a learning by doing experience. By solving the challenges, you will develop an understanding of the attackers' point of view, and therefore shape a better understanding of how to secure your vehicles and on-board components are.



ESCRYPT CTF Security Workshop



Target group

- Security manager, product manager or project manager
- System engineer, software engineer, hardware engineer, developer
- Technical understanding on engineering level required



ETAS experts

- DefCon Car Hacking Village CTF top 3 since 2019
- Certified in various information security fields
- 7+ years experience in pentesting engagements
- Automotive security pioneers since 2004



Workshop format and schedule

1-day course (flexible duration) for up to 20 participants

Setup

- Introduction to tools and system under test
- Introduction to the challenges

Solving challenges, finding flags

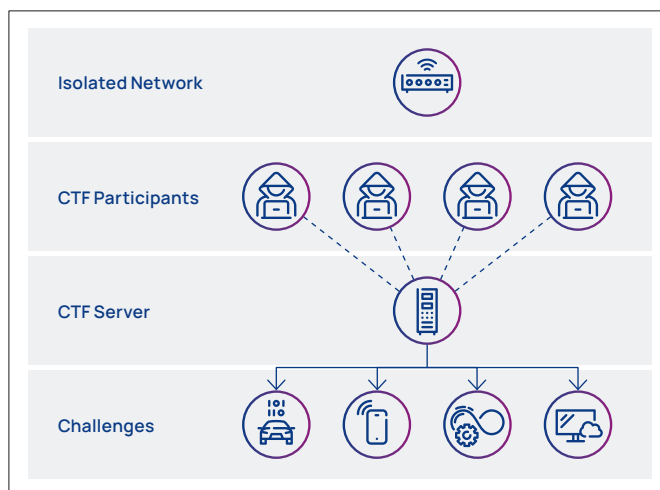
- Many diverse challenges to crack
- Varying complexity and difficulty
- Differing ways to solving them
- Employ hacking techniques and use hacking tools
- Experienced supervision and guidance

Reflection

- Difficult to solve challenges
- Unique and creative solutions
- Implications for implementing and developing systems



Online gateway for workshop participants



Workshop setup



Your benefits with ESCRYPT CTF Security Workshop

- Understand automotive cybersecurity vulnerabilities from the attackers' point of view
- Learn how to secure your products and services effectively
- Get insights to hacking methodologies and strategies
- Identify the points of strength and the points of improvement in your security skills
- Experience the approach and advantages of automotive penetration testing