

ETHICAL HACKING: WEBSITE-PENETRATION TESTING

im Studiengang

Informatik Cybersecurity

an der dualen Hochschule Baden-Württemberg Mannheim

von

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1 Executive Summary

1.1 Synopsis

As part of the lecture "Offensive Security" by Dr. Bauer the students of the TINF20CS1 performed a review on a Raspberry Pi handed by our lecturer.

1.2 Scope

Our assessment included:

- Validation of the given Raspberry Pi without exact requirements.
- Provide countermeasures for vulnerabilities of the system.

The threats included:

- Network Eavesdrop - The attacker is on a wireless communication channel or somewhere else on the network
- Network Attack - The attacker is on a wireless communication channel or somewhere else on the network
- Physical Access - The attacker has physical access to the device
- Malicious Code - Malicious code loaded onto the Raspberry Pi

Testing was performed on:

- Raspberry Pi 3

1.3 Limitations

For this assessment we are not having any limitation besides a time limit.

1.4 Key Findings

2 Dashboard

2.1 Target Metadata

2.2 Targets

2.3 Finding Breakdown

2.4 Category Breakdown

3 Findings

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Literaturverzeichnis