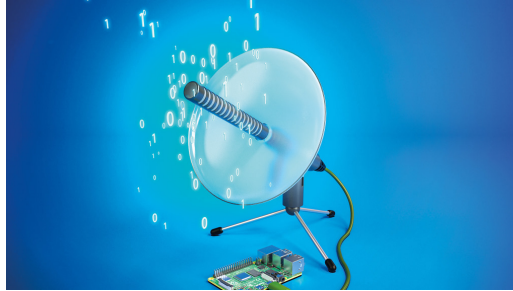




Raspion - Raspberry Spy

Projet de semestre 5 - 2020/2021



Context

Everything is constantly online and is not without reason under general suspicion: IoT and Smart home devices are being pushed into the market in large quantities at low prices. To be able to inspect the network traffic of these devices, the german computer magazine c't developed the “c't-Raspion” project, based on a Raspberry Pi, a specially tied up software package and installation scripts.

“*Raspion* turns a Raspberry Pi into a WLAN router to take a look at network traffic of smart home and IoT devices. All apps are reachable via web browser.”

Objectifs

- The goal of this semester project is to implement, document, and evaluate the project published by this magazine.
- The student project should be validated by performing practical measurements.

Resources

- Project on GitHub : <https://github.com/ct-Open-Source/ctraspion>
- Project documentation (in German) : <https://www.heise.de/ct/artikel/c-t-Raspion-Projektseite-4606645.html>

Méta-données

- Filière(s) : Informatique, Télécommunications
- Langue : F, D, E
- Nombre maximum d'étudiant(s) : 1
- Professeur : Rudolf Scheurer
- Co-superviseur(s): Michael Mäder

Mots clés: Raspberry Pi, ManInTheMiddle, Network Sniffing, HTTP(S), Smart Home, IoT