

Training:

Get your hands dirty playing with RFID/NFC

Date of the training: **March 12-13 ,2018** in Heidelberg, Germany

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YOUR TRAINERS: NAHUEL GRISOLIA AND PHILIPPE TEUWEN

PREREQUISITES:

- No prior RFID / NFC technology knowledge is required. We will start from the very beginning.
- Any RFID / NFC transponder or device is very welcome to share experiences and try some hacks on/with them.

SYSTEM REQUIREMENTS:

- The attendees are very encouraged to bring their laptops with preferably a linux setup (natively or in a VM, e.g. a Kali) and a compilation environment (git, gcc and gcc-arm <5) to play with the equipment.
- It is desirable to have a minimum knowledge of C language – debugging, compiling, and running.
- You may succeed using other OSES but you're on your own...

Don't hesitate to call us. We're fluent in English and German..

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WHO SHOULD ATTEND THIS TRAINING?

- This class is perfect for information security enthusiasts and professionals, seeking to enter the Radio Frequency Identification + NFC world.
- Penetration Testers running Physical access engagements will love this course.

Description

The workshop covers RFID from the Low Frequency band (mainly used for individual physical access to buildings, garages, hotels, etc.) to the High Frequency band, where credit cards, passports, but also NFC come into play. We will provide you with all the tools, materials and references for further study and research, with a strong emphasis on free software & free hardware. You will understand which type of access cards can be emulated or even cloned; then we are going to use traditional NFC USB readers, we will compile and execute the famous LibNFC, and play with some special hardware like the Proxmark3 and HydraNFC. Arduino examples will be shown to deal with both Low and High frequency cards and tokens. You will learn how to deal with the most common LF and HF transponders.

HID iClass vulnerabilities will be discussed as well as the NXP MIFARE Classic (and Plus) technology along with its public hacks.

We will also discuss some case studies, practical hacks and lessons learned from working systems the can be found in the wild, including ePassports, RFID Toys, Credit Cards and Host-based Card Emulation.

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About your trainer: NAHUEL GRISOLIA

Nahuel Grisolia is the Founder and CEO of Cinta Infinita, an Information Security company based in Buenos Aires, Argentina.

He is specialized in (Web) Application Penetration Testing and Hardware Hacking. He loves playing with Arduino's, IOT devices, ARM based hardware devices, Tamagotchis, Quadcopters, Lasers, etc.

He has delivered trainings and talks in conferences and events around the world: BugCON (Mexico), H2HC (Brazil), Ekoparty (Argentina), OWASP events (Argentina), TROOPERS (Germany), PHDays (Russia), Ground Zero Summit (India), etc.

He has discovered vulnerabilities in software from McAfee, VMWare, Manage Engine, Oracle, Websense, Google, Twitter, Auth0 and also in free software projects like Achievo, Cacti, OSSIM, Dolibarr and osTicket.

About your trainer: PHILIPPE TEUWEN

Philippe Teuwen (@doegox) is Security Researcher at Quarkslab, France. He's one of the libnfc maintainers and gave about 17+ workshops on RFID & NFC security and privacy issues at Troopers, Hack.lu, Brucon, RFIDsec, Hackito Ergo Sum, RMLL, etc. along with talks on other security topics such as Wi-Fi Protected Setup, EMV-CAP for eBanking, eVoting, reverse-engineering, Smartcard fault injection simulation, White-Box cryptanalysis etc. He's in the editorial team of the International Journal of PoC||GTFO and loves playing CTFs.

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Booking

Recommended Online Booking of Trainings Through:

Sign-Up Form <https://www.troopers.de>

Voucher code: **TR18HMTSEB**

Using this voucher code automatically gives you an additional 5% off the current valid price! You can register with this code up until March 11th, 2018 or until seats have run out.

Contact

Troopers Organization Team

Need assistance?



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Zögern Sie nicht uns zu kontaktieren. Wir sprechen fließend Englisch und Deutsch.

Booking is also possible offline through your trusted partner from:



HM Training Solutions, Falkenstrasse 6, 63820 Elsenfeld, Germany



+49 6022 508200

info@hmtrainingsolutions.com



+49 6022 5089999

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