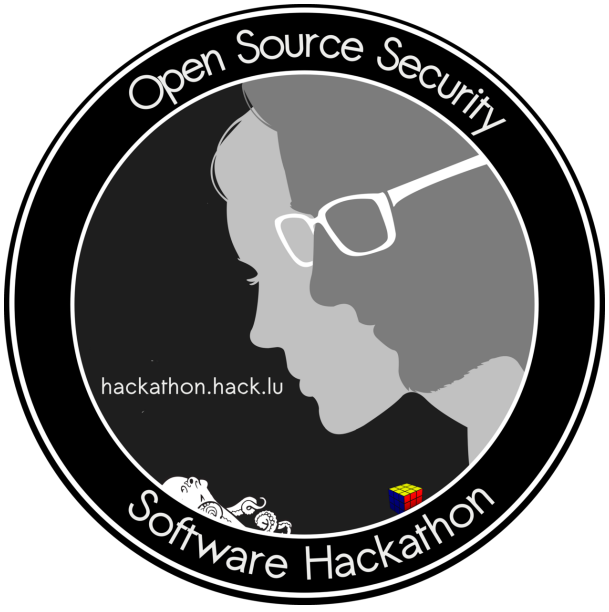
The (potential) Art of the Hackathon

A blend of ideas, code, documentation, GUI, UX to **happy infosec communities**



@circl_lu - *TLP:WHITE*

info@hack.lu

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Objective

The objective of this hackathon is to have an interactive session in order to exchange, **enhance** and discover new **Open Source Security Software** and tools. The aim is not to be fully exhaustive or have a nicely packaged software at the end of the day, but to either bootstrap a new project, bootstrap enhancements on existing projects or improve **interoperability**.

As we are all learning together, don't hesitate to ask questions to each other and **interact during the session(s)**.

What a hackathon is not (in our view) . . .

- . . . CTF (Capture The Flag)
- . . . Game of Code (code competition)
- . . . place to measure skills or be condescending if someone does not know something
- . . . place to work (Fun takes priority and everything is informal and the Hacker Ethic[1] prevails)
- . . . sprint, Hackathons like Marathons, is not conquered by going as fast as possible early-stage, **being constant and persevering is key**

[1] http://www.acrewoods.net/free-culture/the-hacker-ethic-and-meaningful-work

A hackathon is (in our view) a...

- ... place to learn from each other
- ...great opportunity to connect with like-minded people in real life
- ...constant discovery of new stuff, tools, techniques, recipes, concepts, thoughts
- ...bringing **communities together**[2] **and improving interoperability between Open Source Security Software**

[2] Social Architecture, Pieter Hintjens http://www.foo.be/docs-free/social-architecture/main.pdf

What are requirements? Do I need to know the latest programming language?

- Good news everyone! **NO** special Ninja, Samurai or other 31337 Hax0r skillz needed.
- Hackathons have produced amazing: documentation, examples on software use-cases, graphic designs, etc. . . without any magical powers ;)
- One requirement is: be curious, adventurous, challenging in your ideas and respectful

HELP, I am overwhelmed & not sure how to start

- Relax, you are not alone, we are also overwhelmed how awesome the group is :)
- Look around you, amazing people are present who help each other to get started
- Set yourselves goals, make a quick evaluation on how realistic it is
- Ask and share your ideas, questions and requests
  - **5 minutes introduction per project (at the beginning of the hackathon)**
  - **5 minutes presentation interrupt (when ever you like)**

What have been done in previous OSSS hackathons? 1/3

- MISP[3] & Cortex[4] integration to allow the information sharing platform MISP to connect & use Cortex intelligence services. Cortex 1.1.1: 2-way MISP integration now a reality
- cve-search performed a new major release & reorganised the contribution aspect to ease the external contribution & test suite improvements
- shotovuln[5] - an offensive bash script for pentesters to find generic privesc issue on Unix boxes

[3] https://www.misp-project/

[4] https://github.com/TheHive-Project/Cortex

[5] https://github.com/444xxk/shotovuln

What have been done in previous OSSS hackathons? 2/3

- Viper[6] made significant progress towards Python 3 support, including work on Python 3 port of PEfile & the creation of an open test suite for PEfile
- A new project has been evaluated for the exchange of software vulnerability information within open source projects supporting software evaluation, or security assessment. The idea is to share a common format between cve-search[7], aboutcode to share software vulnerabilities within open source projects
- Updates in JSMF-Android[8] - Analysis of Inter-Component Communication links (ICC) & source code of Android applications (AST)

[6] https://github.com/viper-framework/viper

[7] https://www.cve-search.org/

[8] https://github.com/ICC-analysis/JSMF-Android

What have been done in previous OSSS hackathons? 3/3

- The Seeker of IoC - CERTitude[9] is a Python-based tool, which aims at assessing the compromised perimeter during incident response assignments
- Improvement of mail_to_misp[10] with support for Thunderbird was added
- MISP taxonomy[11] improvement with assessment of the analysts
- MISP galaxy[12] improved with an extended ransomware cluster

[9] https://github.com/CERT-W/certitude

[10] https://github.com/MISP/mail_to_misp/

[11] https://github.com/MISP/misp-taxonomies

[12] https://github.com/MISP/misp-galaxy

What's next?

- Open discussion on what ideas people already have and want to hack on
- Do we want to group together on certain ideas?
- Panic, I still do not feel comfortable on what to do... $\rightarrow$ No worries, projects have idea lists[13].

[13] https://github.com/MISP/MISP/wiki/Hackathon

Flexitime-line in Luxembourg and Japan - 26 March 2018

10:00 - Hackathon intro
10:10 - Project 5 minutes round table
12:30 - Lunch (while hacking)
18:00 - Conclusions, what have we learned
19:00 - The end? Next hackathon?
anytime - 5 minutes break presentation