



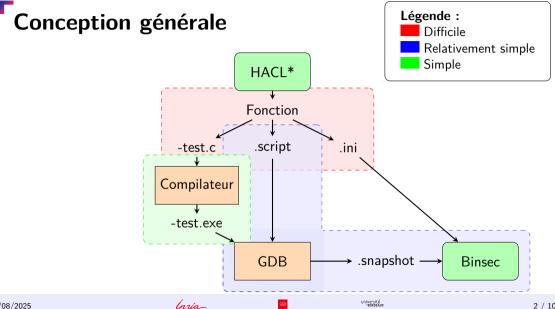




Analyse automatisée d'une bibliothèque crypographique

Détection de failles par canal auxiliaire par analyse statique et symbolique

Duzés Florian



Spécifications architecturales



Constructions en modules





Besoins



Conception générale



Premières passes







Conclusion



Références

[Dic20]

[Alm+13]	José Bacelar Almeida et al. Formal Verification of Side-Channel Countermeasures Using Self-Composition. 2013.
[Ant+17]	Thomas ${\it Antonopoulos}$ et al. Decomposition Instead of Self-Composition for Proving the Absence of Timing Channels. 2017.
[Bar+14]	Gilles Barthe et al. System-level non-interference for constant-time cryptography. 2014.
[Bar+16]	Gilles Barthe et al. Computer-Aided Verification for Mechanism Design. 2016.
[BPT17]	Sandrine $B_{\rm LAZY}$, David $P_{\rm ICHARDIE}$ et André $T_{\rm RIEU}$. Verifying Constant-Time Implementations by Abstract Interpretation. 2017.
[Bre+18]	Thomas Brennan et al. Symbolic Path Cost Analysis for Side-Channel Detection. 2018.
$[Cau{+}19]$	Srinath CAULIGI et al. FaCT: A DSL for timing-sensitive computation. 2019.
[CFD17]	Jie Chen, Yu Feng et Isil Dillig. Precise detection of side-channel vulnerabilities using quantitative cartesian hoare logic. 2017.
[DBR19]	Lesly-Ann Daniel, Sébastien Bardin et Tamara Rezk. Binsec/Rel: Efficient Relational Symbolic Execution for Constant-Time at Binary-Level. 2019. arXiv: 1912.08788. URL: http://arxiv.org/abs/1912.08788.

28/08/2025 *(nría* whitestif sometimes 10 / 10

Craig DISSELKOEN havhale nitchfork https://githuh.com/PI SveSec/havhale-nitchfork