

Список литературы

- [1] Vorobyov Kostyantyn, Gauthier François, Bae Sora, Krishnan Padmanabhan, O'Donoghue Rebecca. Synthesis of Java Deserialisation Filters from Examples in *46th IEEE Annual Computers, Software, and Applications Conferenc, COMPSAC 2022, Los Alamitos, CA, USA, June 27 - July 1, 2022* (Leong Hong Va, Sarvestani Sahra Sedigh, Teranishi Yuuichi, et al. , eds.):736–745IEEE 2022.
- [2] Gauthier François, Hassanshahi Behnaz, Selwyn-Smith Benjamin, Mai Trong Nhan, Schlüter Max, Williams Micah. Experience: Model-Based, Feedback-Driven, Greybox Web Fuzzing with BackREST in *36th European Conference on Object-Oriented Programming, ECOOP 2022, June 6-10, 2022, Berlin, Germany* (Ali Karim, Vitek Jan. , eds.):222 of *LIPIcs*:29:1–29:30Schloss Dagstuhl - Leibniz-Zentrum für Informatik 2022.
- [3] Gauthier François, Gogineni Vinay Chakravarthi, Werner Stefan, Huang Yih-Fang, Kuh Anthony. Resource-Aware Asynchronous Online Federated Learning for Nonlinear Regression in *IEEE International Conference on Communications, ICC 2022, Seoul, Korea, May 16-20, 2022*:2828–2833IEEE 2022.
- [4] Gauthier François, Bae Sora. Runtime Prevention of Deserialization Attacks in *44th IEEE/ACM International Conference on Software Engineering: New Ideas and Emerging Results ICSE (NIER) 2022, Pittsburgh, PA, USA, May 22-24, 2022*:71–75IEEE 2022.
- [5] Gauthier François, Bae Sora. Runtime Prevention of Deserialization Attacks *CoRR*. 2022;abs/2204.09388.
- [6] Allen Nicholas, Gauthier François, Jordan Alexander. IFDS Taint Analysis with Access Paths *CoRR*. 2021;abs/2103.16240.
- [7] Gauthier François, Hassanshahi Behnaz, Selwyn-Smith Benjamin, Mai Trong Nhan, Schlüter Max, Williams Micah. BackREST: A Model-Based Feedback-Driven Greybox Fuzzer for Web Applications *CoRR*. 2021;abs/2108.08455.
- [8] Gauthier François, Gogineni Vinay Chakravarthi, Werner Stefan, Huang Yih-Fang, Kuh Anthony. Resource-Aware Asynchronous Online Federated Learning for Nonlinear Regression *CoRR*. 2021;abs/2111.13931.
- [9] Gauthier François, Gratton Cristiano, Venkategowda Naveen K. D., Werner Stefan. Privacy-Preserving Distributed Learning with Nonsmooth Objective Functions in *54th Asilomar Conference on Signals, Systems, and Computers, ACSCC 2020, Pacific Grove, CA, USA, November 1-4, 2020* (Matthews Michael B. , ed.):42–46IEEE 2020.
- [10] Gauthier François, Jordan Alexander, Krishnan Padmanabhan, et al. Trade-offs in managing risk and technical debt in industrial research labs: an experience report in *TechDebt '20: International Conference on Technical Debt, Seoul, Republic of Korea, June 28-30, 2020* (Izurieta Clemente, Galster Matthias, Felderer Michael. , eds.):98–102ACM 2020.
- [11] Jordan Alexander, Gauthier François, Hassanshahi Behnaz, Zhao David. Unacceptable Behavior: Robust PDF Malware Detection Using Abstract Interpretation in *Proceedings of the 14th ACM SIGSAC Workshop on Programming Languages and Analysis for Security, CCS 2019, London, United Kingdom, November 11-15, 2019* (Mardziel Piotr, Vazou Niki. , eds.):19–30ACM 2019.
- [12] Nielsen Benjamin Barslev, Hassanshahi Behnaz, Gauthier François. Nodest: feedback-driven static analysis of Node.js applications in *Proceedings of the ACM Joint Meeting on European Software Engineering Conference and Symposium on the Foundations of Software Engineering, ESEC/SIGSOFT FSE 2019, Tallinn, Estonia, August 26-30, 2019* (Dumas Marlon, Pfahl Dietmar, Apel Sven, Russo Alessandra. , eds.):455–465ACM 2019.
- [13] Amadini Roberto, Gange Graeme, Gauthier François, et al. Reference Abstract Domains and Applications to String Analysis *Fundam. Informaticae*. 2018;158:297–326.

- [14] Dietrich Jens, Gauthier François, Krishnan Padmanabhan. Driver Generation for Java EE Web Applications in *25th Australasian Software Engineering Conference, ASWEC 2018, Adelaide, Australia, November 26-30, 2018*:121–125IEEE Computer Society 2018.
- [15] Gauthier François, Hassanshahi Behnaz, Jordan Alexander. AFFOGATO: runtime detection of injection attacks for Node.js in *Companion Proceedings for the ISSTA/ECOOP 2018 Workshops, ISSTA 2018, Amsterdam, Netherlands, July 16-21, 2018* (Dolby Julian, Halfond William G. J., Mishra Ashish. , eds.):94–99ACM 2018.
- [16] Gauthier François, Keynes Nathan, Allen Nicholas, Corney Diane, Krishnan Padmanabhan. Scalable Static Analysis to Detect Security Vulnerabilities: Challenges and Solutions in *2018 IEEE Cybersecurity Development, SecDev 2018, Cambridge, MA, USA, September 30 - October 2, 2018*:134IEEE Computer Society 2018.
- [17] Brent Lexi, Jurisevic Anton, Kong Michael, et al. Vandal: A Scalable Security Analysis Framework for Smart Contracts *CoRR*. 2018;abs/1809.03981.
- [18] Jordan Alexander, Gauthier François, Hassanshahi Behnaz, Zhao David. SAFE-PDF: Robust Detection of JavaScript PDF Malware Using Abstract Interpretation *CoRR*. 2018;abs/1810.12490.
- [19] Amadini Roberto, Jordan Alexander, Gange Graeme, et al. Combining String Abstract Domains for JavaScript Analysis: An Evaluation in *Tools and Algorithms for the Construction and Analysis of Systems - 23rd International Conference, TACAS 2017, Held as Part of the European Joint Conferences on Theory and Practice of Software, ETAPS 2017, Uppsala, Sweden, April 22-29, 2017, Proceedings, Part I* (Legay Axel, Margaria Tiziana. , eds.);10205 of *Lecture Notes in Computer Science*:41–57 2017.
- [20] Steinhäuser Antonín, Gauthier François. JSPChecker: Static Detection of Context-Sensitive Cross-Site Scripting Flaws in Legacy Web Applications in *Proceedings of the 2016 ACM Workshop on Programming Languages and Analysis for Security, PLAS@CCS 2016, Vienna, Austria, October 24, 2016* (Murray Toby C., Stefan Deian. , eds.):57–68ACM 2016.
- [21] Han Zhuobing, Mérineau Mathieu, Gauthier François, Merlo Ettore, Li Xiaohong, Stroulia Eleni. Evolutionary analysis of access control models: a formal concept analysis method in *Proceedings of 25th Annual International Conference on Computer Science and Software Engineering, CASCON 2015, Markham, Ontario, Canada, 2-4 November, 2015* (Gould Jordan, Litoiu Marin, Lutfiyya Hanan. , eds.):261–264IBM / ACM 2015.
- [22] Gauthier François, Abdul-Nour Georges, Lagacé Denis. Special issue: IE in healthcare *Comput. Ind. Eng.*. 2014;78:234.
- [23] Gauthier François, Merlo Ettore, Stroulia Eleni, Turner David. Supporting Maintenance and Evolution of Access Control Models in Web Applications in *30th IEEE International Conference on Software Maintenance and Evolution, Victoria, BC, Canada, September 29 - October 3, 2014*:506–510IEEE Computer Society 2014.
- [24] Gauthier François, Lavoie Thierry, Merlo Ettore. Uncovering access control weaknesses and flaws with security-discordant software clones in *Annual Computer Security Applications Conference, ACSAC '13, New Orleans, LA, USA, December 9-13, 2013* (Jr. Charles N. Payne. , ed.):209–218ACM 2013.
- [25] Gauthier François, Merlo Ettore. Semantic smells and errors in access control models: a case study in PHP in *35th International Conference on Software Engineering, ICSE '13, San Francisco, CA, USA, May 18-26, 2013* (Notkin David, Cheng Betty H. C., Pohl Klaus. , eds.):1169–1172IEEE Computer Society 2013.
- [26] Gauthier François, Gélinas Dominique, Marcotte Pierre. Vibration of portable orbital sanders and its impact on the development of work-related musculoskeletal disorders in the furniture industry *Comput. Ind. Eng.*. 2012;62:762–769.

- [27] Gauthier François, Merlo Ettore. Investigation of Access Control Models with Formal Concept Analysis: A Case Study in *16th European Conference on Software Maintenance and Reengineering, CSMR 2012, Szeged, Hungary, March 27-30, 2012* (Mens Tom, Cleve Anthony, Ferenc Rudolf. , eds.):397–402IEEE Computer Society 2012.
- [28] Gauthier François, Merlo Ettore. Alias-Aware Propagation of Simple Pattern-Based Properties in PHP Applications in *12th IEEE International Working Conference on Source Code Analysis and Manipulation, SCAM 2012, Riva del Garda, Italy, September 23-24, 2012*:44–53IEEE Computer Society 2012.
- [29] Letarte Dominic, Gauthier François, Merlo Ettore, Sutyanyong Nattavut, Zuzarte Calisto. Targeted genetic test SQL generation for the DB2 database in *Proceedings of the Fifth International Workshop on Testing Database Systems, DBTest 2012, Scottsdale, AZ, USA, May 21, 2012* (Lo Eric, Waas Florian. , eds.):5ACM 2012.
- [30] Gauthier François, Merlo Ettore. Fast Detection of Access Control Vulnerabilities in PHP Applications in *19th Working Conference on Reverse Engineering, WCRE 2012, Kingston, ON, Canada, October 15-18, 2012*:247–256IEEE Computer Society 2012.
- [31] Letarte Dominic, Gauthier François, Merlo Ettore. Security Model Evolution of PHP Web Applications in *Fourth IEEE International Conference on Software Testing, Verification and Validation, ICST 2011, Berlin, Germany, March 21-25, 2011*:289–298IEEE Computer Society 2011.
- [32] Gauthier François, Letarte Dominic, Lavoie Thierry, Merlo Ettore. Extraction and comprehension of moodle’s access control model: A case study in *Ninth Annual Conference on Privacy, Security and Trust, PST 2011, 19-21 July, 2011, Montreal, Québec, Canada*:44–51IEEE 2011.