

Список литературы

- [1] K. VOROBYOV, F. GAUTHIER, S. BAE, P. KRISHNAN, and R. O'DONOGHUE, 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*, edited by H. V. LEONG, S. S. SARVESTANI, Y. TERANISHI, A. CUZZOCREA, H. KASHIWAZAKI, D. TOWEY, J. YANG, and H. SHAHRIAR, pp. 736–745, IEEE, 2022.
- [2] F. GAUTHIER, B. HASSANSHAHI, B. SELWYN-SMITH, T. N. MAI, M. SCHLÜTER, and M. WILLIAMS, 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*, edited by K. ALI and J. VITEK, volume 222 of *LIPIcs*, pp. 29:1–29:30, Schloss Dagstuhl - Leibniz-Zentrum für Informatik, 2022.
- [3] F. GAUTHIER, V. C. GOGINENI, S. WERNER, Y. HUANG, and A. KUH, Resource-Aware Asynchronous Online Federated Learning for Nonlinear Regression, in *IEEE International Conference on Communications, ICC 2022, Seoul, Korea, May 16-20, 2022*, pp. 2828–2833, IEEE, 2022.
- [4] F. GAUTHIER and S. BAE, 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*, pp. 71–75, IEEE, 2022.
- [5] F. GAUTHIER and S. BAE, *CoRR* **abs/2204.09388** (2022).
- [6] N. ALLEN, F. GAUTHIER, and A. JORDAN, *CoRR* **abs/2103.16240** (2021).
- [7] F. GAUTHIER, B. HASSANSHAHI, B. SELWYN-SMITH, T. N. MAI, M. SCHLÜTER, and M. WILLIAMS, *CoRR* **abs/2108.08455** (2021).
- [8] F. GAUTHIER, V. C. GOGINENI, S. WERNER, Y. HUANG, and A. KUH, *CoRR* **abs/2111.13931** (2021).
- [9] F. GAUTHIER, C. GRATTON, N. K. D. VENKATEGOWDA, and S. WERNER, 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*, edited by M. B. MATTHEWS, pp. 42–46, IEEE, 2020.
- [10] F. GAUTHIER, A. JORDAN, P. KRISHNAN, B. HASSANSHAHI, J. G. SÜSS, S. BAE, and H. LEE, 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*, edited by C. IZURIETA, M. GALSTER, and M. FELDERER, pp. 98–102, ACM, 2020.
- [11] A. JORDAN, F. GAUTHIER, B. HASSANSHAHI, and D. ZHAO, 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*, edited by P. MARDZIEL and N. VAZOU, pp. 19–30, ACM, 2019.
- [12] B. B. NIELSEN, B. HASSANSHAHI, and F. GAUTHIER, 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*, edited by M. DUMAS, D. PFAHL, S. APEL, and A. RUSSO, pp. 455–465, ACM, 2019.
- [13] R. AMADINI, G. GANGE, F. GAUTHIER, A. JORDAN, P. SCHACHTE, H. SØNDERGAARD, P. J. STUCKEY, and C. ZHANG, *Fundam. Informaticae* **158**, 297 (2018).
- [14] J. DIETRICH, F. GAUTHIER, and P. KRISHNAN, Driver Generation for Java EE Web Applications, in *25th Australasian Software Engineering Conference, ASWEC 2018, Adelaide, Australia, November 26-30, 2018*, pp. 121–125, IEEE Computer Society, 2018.

- [15] F. GAUTHIER, B. HASSANSHAHI, and A. JORDAN, AFFOGATO: runtime detection of injection attacks for Node.js, in *Companion Proceedings for the ISSA/ECOOP 2018 Workshops, ISSA 2018, Amsterdam, Netherlands, July 16-21, 2018*, edited by J. DOLBY, W. G. J. HALFOND, and A. MISHRA, pp. 94–99, ACM, 2018.
- [16] F. GAUTHIER, N. KEYNES, N. ALLEN, D. CORNEY, and P. KRISHNAN, 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*, p. 134, IEEE Computer Society, 2018.
- [17] L. BRENT, A. JURISEVIC, M. KONG, E. LIU, F. GAUTHIER, V. GRAMOLI, R. HOLZ, and B. SCHOLZ, *CoRR* **abs/1809.03981** (2018).
- [18] A. JORDAN, F. GAUTHIER, B. HASSANSHAHI, and D. ZHAO, *CoRR* **abs/1810.12490** (2018).
- [19] R. AMADINI, A. JORDAN, G. GANGE, F. GAUTHIER, P. SCHACHTE, H. SØNDERGAARD, P. J. STUCKEY, and C. ZHANG, 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*, edited by A. LEGAY and T. MARGARIA, volume 10205 of *Lecture Notes in Computer Science*, pp. 41–57, 2017.
- [20] A. STEINHAUSER and F. GAUTHIER, 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*, edited by T. C. MURRAY and D. STEFAN, pp. 57–68, ACM, 2016.
- [21] Z. HAN, M. MÉRINEAU, F. GAUTHIER, E. MERLO, X. LI, and E. STROULIA, 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*, edited by J. GOULD, M. LITOIU, and H. LUTFIYYA, pp. 261–264, IBM / ACM, 2015.
- [22] F. GAUTHIER, G. ABDUL-NOUR, and D. LAGACÉ, *Comput. Ind. Eng.* **78**, 234 (2014).
- [23] F. GAUTHIER, E. MERLO, E. STROULIA, and D. TURNER, 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*, pp. 506–510, IEEE Computer Society, 2014.
- [24] F. GAUTHIER, T. LAVOIE, and E. MERLO, 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*, edited by C. N. P. JR., pp. 209–218, ACM, 2013.
- [25] F. GAUTHIER and E. MERLO, 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*, edited by D. NOTKIN, B. H. C. CHENG, and K. POHL, pp. 1169–1172, IEEE Computer Society, 2013.
- [26] F. GAUTHIER, D. GÉLINAS, and P. MARCOTTE, *Comput. Ind. Eng.* **62**, 762 (2012).
- [27] F. GAUTHIER and E. MERLO, 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*, edited by T. MENS, A. CLEVE, and R. FERENC, pp. 397–402, IEEE Computer Society, 2012.
- [28] F. GAUTHIER and E. MERLO, 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*, pp. 44–53, IEEE Computer Society, 2012.

- [29] D. LETARTE, F. GAUTHIER, E. MERLO, N. SUTYANYONG, and C. ZUZARTE, 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*, edited by E. LO and F. WAAS, p. 5, ACM, 2012.
- [30] F. GAUTHIER and E. MERLO, 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*, pp. 247–256, IEEE Computer Society, 2012.
- [31] D. LETARTE, F. GAUTHIER, and E. MERLO, 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*, pp. 289–298, IEEE Computer Society, 2011.
- [32] F. GAUTHIER, D. LETARTE, T. LAVOIE, and E. MERLO, 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*, pp. 44–51, IEEE, 2011.