

## Список литературы

- [1] VOROBYOV, K., GAUTHIER, F., BAE, S., KRISHNAN, P., and O'DONOGHUE, R., Synthesis of java deserialisation filters from examples, in LEONG, H. V., SARVESTANI, S. S., TERANISHI, Y., CUZZOCREA, A., KASHIWAZAKI, H., et al., editors, *46th IEEE Annual Computers, Software, and Applications Conferenc, COMPSAC 2022, Los Alamitos, CA, USA, June 27 - July 1, 2022*, pp. 736–745, IEEE, 2022.
- [2] GAUTHIER, F., HASSANSHAHI, B., SELWYN-SMITH, B., MAI, T. N., SCHLÜTER, M., et al., Experience: Model-based, feedback-driven, greybox web fuzzing with backrest, in ALI, K. and VITEK, J., editors, *36th European Conference on Object-Oriented Programming, ECOOP 2022, June 6-10, 2022, Berlin, Germany*, volume 222 of *LIPIcs*, pp. 29:1–29:30, Schloss Dagstuhl - Leibniz-Zentrum für Informatik, 2022.
- [3] GAUTHIER, F., GOGINENI, V. C., WERNER, S., HUANG, Y., and KUH, A., 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] GAUTHIER, F. and BAE, S., 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] GAUTHIER, F. and BAE, S., CoRR **abs/2204.09388** (2022).
- [6] ALLEN, N., GAUTHIER, F., and JORDAN, A., CoRR **abs/2103.16240** (2021).
- [7] GAUTHIER, F., HASSANSHAHI, B., SELWYN-SMITH, B., MAI, T. N., SCHLÜTER, M., et al., CoRR **abs/2108.08455** (2021).
- [8] GAUTHIER, F., GOGINENI, V. C., WERNER, S., HUANG, Y., and KUH, A., CoRR **abs/2111.13931** (2021).
- [9] GAUTHIER, F., GRATTON, C., VENKATEGOWDA, N. K. D., and WERNER, S., Privacy-preserving distributed learning with nonsmooth objective functions, in MATTHEWS, M. B., editor, *54th Asilomar Conference on Signals, Systems, and Computers, ACSCC 2020, Pacific Grove, CA, USA, November 1-4, 2020*, pp. 42–46, IEEE, 2020.
- [10] GAUTHIER, F., JORDAN, A., KRISHNAN, P., HASSANSHAHI, B., SÜSS, J. G., et al., Trade-offs in managing risk and technical debt in industrial research labs: an experience report, in IZURIETA, C., GALSTER, M., and FELDERER, M., editors, *TechDebt '20: International Conference on Technical Debt, Seoul, Republic of Korea, June 28-30, 2020*, pp. 98–102, ACM, 2020.
- [11] JORDAN, A., GAUTHIER, F., HASSANSHAHI, B., and ZHAO, D., Unacceptable behavior: Robust PDF malware detection using abstract interpretation, in MARDZIEL, P. and VAZOU, N., editors, *Proceedings of the 14th ACM SIGSAC Workshop on Programming Languages and Analysis for Security, CCS 2019, London, United Kingdom, November 11-15, 2019*, pp. 19–30, ACM, 2019.
- [12] NIELSEN, B. B., HASSANSHAHI, B., and GAUTHIER, F., Nodest: feedback-driven static analysis of node.js applications, in DUMAS, M., PFAHL, D., APEL, S., and RUSSO, A., editors, *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*, pp. 455–465, ACM, 2019.
- [13] AMADINI, R., GANGE, G., GAUTHIER, F., JORDAN, A., SCHACHTE, P., et al., *Fundam. Informaticae* **158** (2018) 297.
- [14] DIETRICH, J., GAUTHIER, F., and KRISHNAN, P., 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] GAUTHIER, F., HASSANSHAHI, B., and JORDAN, A., AFFOGATO: runtime detection of injection attacks for node.js, in DOLBY, J., HALFOND, W. G. J., and MISHRA, A., editors, *Companion Proceedings for the ISSTA/ECOOOP 2018 Workshops, ISSTA 2018, Amsterdam, Netherlands, July 16-21, 2018*, pp. 94–99, ACM, 2018.
- [16] GAUTHIER, F., KEYNES, N., ALLEN, N., CORNEY, D., and KRISHNAN, P., 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] BRENT, L., JURISEVIC, A., KONG, M., LIU, E., GAUTHIER, F., et al., CoRR **abs/1809.03981** (2018).
- [18] JORDAN, A., GAUTHIER, F., HASSANSHAHI, B., and ZHAO, D., CoRR **abs/1810.12490** (2018).
- [19] AMADINI, R., JORDAN, A., GANGE, G., GAUTHIER, F., SCHACHTE, P., et al., Combining string abstract domains for javascript analysis: An evaluation, in LEGAY, A. and MARGARIA, T., editors, *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*, volume 10205 of *Lecture Notes in Computer Science*, pp. 41–57, 2017.
- [20] STEINHAUSER, A. and GAUTHIER, F., Jspchecker: Static detection of context-sensitive cross-site scripting flaws in legacy web applications, in MURRAY, T. C. and STEFAN, D., editors, *Proceedings of the 2016 ACM Workshop on Programming Languages and Analysis for Security, PLAS@CCS 2016, Vienna, Austria, October 24, 2016*, pp. 57–68, ACM, 2016.
- [21] HAN, Z., MÉRINEAU, M., GAUTHIER, F., MERLO, E., LI, X., et al., Evolutionary analysis of access control models: a formal concept analysis method, in GOULD, J., LITOIU, M., and LUTFIYYA, H., editors, *Proceedings of 25th Annual International Conference on Computer Science and Software Engineering, CASCON 2015, Markham, Ontario, Canada, 2-4 November, 2015*, pp. 261–264, IBM / ACM, 2015.
- [22] GAUTHIER, F., ABDUL-NOUR, G., and LAGACÉ, D., *Comput. Ind. Eng.* **78** (2014) 234.
- [23] GAUTHIER, F., MERLO, E., STROULIA, E., and TURNER, D., 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] GAUTHIER, F., LAVOIE, T., and MERLO, E., Uncovering access control weaknesses and flaws with security-discordant software clones, in JR., C. N. P., editor, *Annual Computer Security Applications Conference, ACSAC '13, New Orleans, LA, USA, December 9-13, 2013*, pp. 209–218, ACM, 2013.
- [25] GAUTHIER, F. and MERLO, E., Semantic smells and errors in access control models: a case study in PHP, in NOTKIN, D., CHENG, B. H. C., and POHL, K., editors, *35th International Conference on Software Engineering, ICSE '13, San Francisco, CA, USA, May 18-26, 2013*, pp. 1169–1172, IEEE Computer Society, 2013.
- [26] GAUTHIER, F., GÉLINAS, D., and MARCOTTE, P., *Comput. Ind. Eng.* **62** (2012) 762.
- [27] GAUTHIER, F. and MERLO, E., Investigation of access control models with formal concept analysis: A case study, in MENS, T., CLEVE, A., and FERENC, R., editors, *16th European Conference on Software Maintenance and Reengineering, CSMR 2012, Szeged, Hungary, March 27-30, 2012*, pp. 397–402, IEEE Computer Society, 2012.
- [28] GAUTHIER, F. and MERLO, E., 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] LETARTE, D., GAUTHIER, F., MERLO, E., SUTYANYONG, N., and ZUZARTE, C., Targeted genetic test SQL generation for the DB2 database, in LO, E. and WAAS, F., editors, *Proceedings of the Fifth International Workshop on Testing Database Systems, DBTest 2012, Scottsdale, AZ, USA, May 21, 2012*, p. 5, ACM, 2012.
- [30] GAUTHIER, F. and MERLO, E., 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] LETARTE, D., GAUTHIER, F., and MERLO, E., 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] GAUTHIER, F., LETARTE, D., LAVOIE, T., and MERLO, E., 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.