Modelbasierte Analyse von Sicherheitsschwachstellen in objektorientierten Modulen

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Inhaltsverzeichnis

Literatur

[Crew97] Roger F. Crew. ASTLOG: A Language for Examining Abstrakt Sysntax Trees. In *Proceedings of the Conference on Domain-Specific Languages*, Santa Barbara, Oktober 1997.

[GoOA05] Simon F. Goldsmith, Robert O'Callahan und Alex Aiken. Relational queries over program traces. In *OOPSLA '05: Proceedings of the 20th annual ACM SIGPLAN conference on Object-oriented programming, systems, languages, and applications*, New York, NY, USA, 2005. ACM, S. 385–402.

[MaLL05] Michael Martin, Benjamin Livshits und Monica Lam. Finding Application Errors and Security Flaws Using PQL: a Program Query Language. In *Object-Oriented Programming, Systems, Languages and Applications (OOPSLA)*, October 2005.

[PaFr07] Pierre Parrend und Stéphane Frénot. Java components vulnerabilities - an experimental classification targeted at the OSGi platform. Research Report RR-6231, INRIA, 06 2007.

[PaFr08] Pierre Parrend und Stéphane Frénot. Classification of Component Vulnerabilities in Java Service Oriented Programming (SOP) Platforms. In *Conference on Component-based Software Engineering (CBSE'2008)*, Band 5282/2008 der *LNCS*, Karlsruhe, Germany, October 2008. Springer Berlin / Heidelberg.

[Parr09] Pierre Parrend. Enhancing Automated Detection of Vulnerabilities in Java Components. In *Forth International Conference on Availability, Reliability and Security (AReS 2009)*, Fukuoka, Japan, March 2009.

[RuAF04] Nick Rutar, Christian B. Almazan und Jeffrey S. Foster. A Comparison of Bug Finding Tools for Java. *Software Reliability Engineering, International Symposium on*, Band 0, 2004, S. 245–256.