Method and Prototype of Utility for Partial Recovering Source Code for Low-Level and Medium-Level Vulnerability Search

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Abstract— The article describes a automated method for searching of low-level and medium-level vulnerabilities in machine code, which is based on its partial recovering. Vulnerability search is positioned in the field of telecommunication devices. All various and typical vulnerabilities in source code and algorithms for its search is given. The article contains examples of usage method and its utility. There is forecast to develop methods and utilities in the near future.

Keyword— machine code, reverse-engineering, static analyzer, telecommunication devices, vulnerability

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