

Method for Partial Recovering Source Code of Telecommunication Devices for 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. Typical vulnerabilities in source code and algorithms for its search is given. 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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1. M.V. Buinevich and others. Safety provision of high-security objects of the naval fleet in relation to damage effects in crisis and emergency situations in peacetime./ Under the editorship of the admiral V.S. Vysotskii.- Saint Petersburg: Publishing house ELMOR, 2008.- 300 p.
2. M.V. Buinevich and others. Provision of organizational and technical support of stability of function and safety of general communications network./ Under the general editorship of S.M. Dotsenko.- Saint Petersburg: Publishing house SPbSUT, 2013.- 142 p.



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