a web services vulnerability testing approach based on

#web services security testing #API vulnerability assessment #security testing methodology #web security approach #application security testing

This outlines a robust web services vulnerability testing approach, crucial for identifying and mitigating security weaknesses in modern API-driven applications. It provides a systematic framework for comprehensive security assessment, ensuring that potential exploits are discovered and addressed proactively, thereby enhancing the overall security posture of web services.

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by J Chen · 2014 · Cited by 22 — To improve testing efficiency and effectiveness, a combinatorial testing approach focusing on Web service vulnerability is proposed: Firstly, initial test data are generated with perturbation techniques based on Web Services Description Language documents and Simple Object Access Protocol messages.

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A rule-based intelligent security cycle, for malicious code detection, filtration and threat analysis of SOAP Messages is presented in this research paper. The proposed technique suggests addressing malicious code detection early in the design phase of a Web Service.

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To improve testing efficiency and effectiveness, a combinatorial testing approach focusing on Web service vulnerability is proposed: Firstly, initial test data are generated with perturbation techniques based on Web Services Description Language documents and Simple Object Access Protocol messages.

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Dive into the research topics of 'A Web services vulnerability testing approach based on combinatorial mutation and SOAP message mutation'. Together they form a ...

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Bibliographic details on A Web services vulnerability testing approach based on combinatorial mutation and SOAP message mutation.

Worst-input mutation approach to web services ...

13 Oct 2014 — Vulnerability testing examines the trustworthiness and reduces the security risks of software systems. This paper proposes a worst-input mutation approach for testing Web service vulnerability based on Simple Object Access Protocol (SOAP) messages. Based ...

Worst-Input Mutation Approach to Web Services Vulnerability ...

This paper proposes a worst-input mutation approach for testing Web service vulnerability based on Simple Object Access Protocol (SOAP) messages. Based on ...

Combinatorial Mutation Approach to Web Service ...

by Q Li · 2012 · Cited by 9 — In order to improve the testing efficiency and effect, a combinatorial approach for testing Web service vulnerability is proposed. Firstly, based on WSDL (Web Service Description Language) documents and SOAP (Simple Object Access Protocol) messages, the initial test data are generated by perturbation techniques.

Web Vulnerability Assessment and Maturity Model Analysis ...

by IGN Mantraa · 2019 · Cited by 23 — The test results using the tools Nessus and Skipfish, on the websites of several universities in Jakarta, show that there are still several vulnerabilities. This vulnerability will affect the maturity level of the web site security. The results of vulnerability testing show that as many as 60% of the total ...

What is Web Application Security Testing?

The goal of this project is to collect all the possible testing techniques, explain these techniques, and keep the guide updated. The OWASP Web Application Security Testing methodology is based on the black box approach. The tester has little to no information about the application to be tested.