

## REVIEWER'S REPORT

Manuscript No.: IJAR-51522

Date: 14-05-2025

**Title: Crosscan: Reflected XSS Scanner**

### Recommendation:

Accept as it is.....**YES**.....  
 Accept after minor revision.....  
 Accept after major revision .....  
 Do not accept (*Reasons below*) .....

Rating	Excel.	Good	Fair	Poor
Originality	√			
Techn. Quality		√		
Clarity		√		
Significance			√	

**Reviewer's Name:** Dr Aamina

**Reviewer's Decision about Paper:** **Recommended for Publication.**

**Comments** (*Use additional pages, if required*)

### Reviewer's Comment / Report

#### Abstract Evaluation:

The abstract effectively introduces the core concept of the research—Reflected Cross-Site Scripting (XSS) vulnerabilities—and the necessity of automated tools for their detection. It clearly outlines the motivation behind developing the scanner, summarizes the methodological approach, and highlights the significance of the findings. The language is concise and technical, suitable for a scholarly audience in the field of cybersecurity. Keywords are well chosen and relevant.

#### Introduction Evaluation:

The introduction provides a comprehensive background on the relevance of XSS vulnerabilities in modern web applications. It clearly distinguishes Reflected XSS from other variants and justifies the need for automation in vulnerability detection. The motivation for creating the Crosscan scanner is well-articulated, and the section transitions smoothly into the goals and scope of the research. The writing maintains a formal academic tone throughout.

#### Literature Review Evaluation:

The literature review demonstrates awareness of foundational and contemporary work in the field. It references authoritative sources, such as OWASP, to contextualize the importance of the issue. The review succinctly discusses the current understanding of Reflected XSS and the limitations of existing detection approaches. The inclusion of up-to-date references indicates relevance and currency.

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### **Overall Structure and Clarity:**

The document exhibits a logical structure, with sections clearly demarcated and information presented in a coherent flow. The technical language is appropriate for the intended academic audience. The argument builds progressively, from problem identification to the introduction of a practical solution. There is consistency in tone, terminology, and formatting.

### **Technical Depth and Originality:**

The paper reflects a good level of technical insight and contributes original work in the form of the Crosscan scanner. The methodology of simulating attack vectors and monitoring reflected input is indicative of a thoughtful approach. The scanner is positioned as a bridge between manual testing and full automation, addressing a significant gap in existing tools.

### **Conclusion:**

The sections provided demonstrate a solid foundation for a research paper on Reflected XSS vulnerability detection. The abstract, introduction, and literature review are clear, well-structured, and technically sound. The work appears to be a valuable contribution to the field of web application security.

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