

An Anthology of Applied Computer Technologies

**Zulkefli Muhammed Yusof
M.M Hafizur Rahman**



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Editors

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11. SECURE CODING IN CROSS SITE SCRIPTING

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ABSTRACT

Cross site scripting (XSS) is one of attacks in the web applications that enable malicious attacker to inject client-side script into web pages viewed by other users. Cross site scripting carried out on websites were roughly 80% of all security vulnerabilities documented by Symantec as of 2007. We developed a courseware that will provide information, tutorial and prevention to users which are targeted on students, lecturers and web developers. A web page contains both text and HTML markup that is generated by the server and interpreted by the client browser. Web sites that generate only static pages are able to have full control over how the browser interprets these pages. Web sites that generate dynamic pages do not have complete control over how their outputs are interpreted by the client. The heart of the issue is that if mistrusted content can be introduced into a dynamic page, neither the web site nor the client has enough information to recognize that this has happened and take protective actions.

11.1 INTRODUCTION

Cross site scripting (XSS) is a common security problem of web applications where an attacker can inject scripting code into the output of the application that is then sent to a user's web browser. In the web browser, this scripting