Abstract

Nowadays, web applications are common around the world. Every major company/organization have a web application presence. Many of these organizations use web applications to provide various services to clients. Some of these web applications employ database-driven content. The back-end database often contains confidential and sensitive information such as password, credit card number, financial data, medical data, email details. Typically the web user/client supplies information, such as a username and password and web server receive user request and interact with the back-end database and returned relevant data to the Front-end.

Web Applications penetration testing and security has become progressively most important these days. A lot numbers of malicious attacks are being deployed on the web application. Due to the dramatic increase in Web applications usage, Web applications get vulnerable to a variety of threats. Most of these malicious attacks are targeted towards the web application layer and WAF firewall alone cannot prevent these kinds of attacks. The reason behind success of these attacks is the ignorance of application developers while coding the web applications and the
predefined vulnerabilities in the existing technologies. Web application attacks are the latest
trend and hackers are trying to hack/exploit the web application using different techniques.
Various types of solutions are available as open source and in market. But the selection of
suitable solution for the security of the organizational systems is a major issue. Some Attack
Prevention Technique protect web applications from attacks they sit in front of web applications
monitors activity, and block malicious traffic.

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Index Terms

Computer Science	Security

Keywords

SQL injection attack, SQL query, XSS (cross site scripting), Web application, Payload, filters.