Abstract

Web applications are widely using nowadays. In these web applications, most of those that are based on money transaction like on-line baking, e-shopping, on-line bill payment, Money transfer, etc. The interaction between the web applications and Database is done with Structured Query Language (SQL) and Scripting Language is used. These queries keep sensitive or personal information of various users. So it is necessary to maintain confidentiality from unauthorized access. SQL injection Attack (SQLIA) is the most common type of vulnerability in which crafted query is inserts as input for retrieving personal information about other users. In this paper, various detection and prevention techniques of SQL injection attacks are described and perform a comparison between them.

References


4. Nuno Seixas, Marco Vieira, Jose Fonseca, Henrique Madeira “Analysis of field data on web security vulnerabilities” IEEE Transactions on Dependable and secure computing Vol. 11 No.2 March/April 2014


15. Kanchana Natrajan, Sarala Subramani “Generation of SQL injection free secure algorithm to detect and prevent SQL Injection attack” ELESE VIER C3IT-2012


20. Ntagwabira Lambert, Kang Song Lin “Use of Query Tokenization to detect and prevent SQL injection attacks” IEEE 2010

Index Terms

Computer Science
Software Engineering
Keywords

Web Application, SQL Injection, Vulnerabilities, Detection and Prevention techniques.