An Automatic Detection System for SQL Injection

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Abstract

The growth of the internet is increasing day by day, mostly content is database driven. There are many web applications like E-Commerce, banking where he/she has to trust on this application and have to provide personal information into their underlying database. If there is no confidentiality and security of information then any one can steal or see our information or may utilize this information for misbehaving activity. One of them is SQL injection, a hacker may insert his bad/malicious SQL code into other’s database and running of those queries is capable to extract private and valuable information or may destroy the database. In this paper, proposing a technique to detect SQL injection using the hidden web crawling technique incorporating with parse tree and digital signature. The proposed scheme finds a SQL injection vulnerability by replicating web attack and analyze the data of the response. The proposed technique is compared with hidden web crawling technique to analyze its’s effectiveness. For experimental evaluation, implement this system in Eclipse with MYSQL database to analyze the results.
References


Index Terms
Keywords

SQL injection, Hidden web Crawling, Parse tree, Digital Signature.