Abstract

With the increasing demand of web-based applications, they have become more prone to be exploited by the attackers. The purpose of this paper is to study the effects of web-based attacks and analyze the log files generated during the attacks. We have implemented Attribute Length Method proposed by Krugel for the detection of web-based attacks. In the implementation of the Attribute Length method, two different phases are used in our system i. e., learning and detection phase. In the learning phase, our implementation in Java trains the normal dataset and calculates the threshold probability value which is used in the Detection phase for the estimation of web-based attacks. In order to estimate the performance of attribute length method, we have used a log file having three different web attacks, i. e. Cross Site Scripting attack, Path Traversal attack, and Buffer Overflow attack. This method is more
effective as we have considered the parameters as fixed-size tokens.

References

Detection and Implementation of Web-based Attacks using Attribute Length Method

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**Index Terms**

Computer Science

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**Keywords**

Web Based Attack  Attribute Length Method  Cross-site Scripting Attack (XSS)
Buffer Overflow attack
Path Traversal Attack