Abstract

In this paper, we have been explored the brief review about the intrusion detection system. This review emphasizes about how to automatically and systematically build adaptable and extensible advanced intrusion detection system using data mining techniques and how to provide in-built prevention policies in the detection system so that it will reduce network administrator's system re-configuration efforts and application of sentiment analysis to
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enhance its performance. Intrusion detection and prevention is really widely researched filed and still there is a scope for its advancements. This review gives the requirement of advancement in current intrusion detection systems based on data mining technique in its introduction section. In related work, it focuses on the growth and research contributions made in the field of security with intrusion detection and prevention. In the section of objectives, it concludes the current research requirements and use of possible techniques to step forward in intrusion detection and prevention. Finally, the possible applications of the proposed research work are highlighted to make its sense in society and conclusion provides the actual research direction based on the review.

References

- Hesham Altwaijry, Saeed Algarny (2012), "Bayesian based intrusion detection system"; Journal of King Saud University – Computer and Information Sciences, pp. 1–6.


**Index Terms**

Computer Science  
Security

**Keywords**

Anomaly  
Attack  
Intrusion  
Misuse  
Signature  
Prevention Policy