Abstract

Due to excessive use of internet the problem of intrusion is also increased. So, to detect the intrusion in the network traffic, various AI based intrusion detection techniques are used but there is no such technique is available which is used for detecting the network attacks or monitors system activities for malicious activities and produces reports to a management station that can detect various types of network attacks with high accuracy. So the idea of this research paper is to find promising AI based method which classify each type of network traffic class and combine them by proposing an effective combination technique i. e. ensemble technique which can detect all network attacks, so as to increase the overall accuracy and
performance of the IDS.

References

- D. TIGABU, "Constructing predictive model for network intrusion detection."
- K. Kumar, G. Kumar, and Y. Kumar, "Feature selection approach for intrusion detection system."
- Oliver Sutton, "Introduction to k nearest Neighbour Classification", Februar 2012.
- P. De Boer and M. Pels, "Host-based intrusion detection systems", Amsterdam University, (2005).
- S. Bishnoi, "Comparison of classification techniques", ISSN 2231-4334, IJRIM, Volume 1, Issue 2 (June, 2011).
- V. Kumar, H. Chauhan, and D. Panwar, "K-means clustering approach to analyzensl-kdd intrusion detection dataset", International Journal of Soft Computing and
AI based Hybrid Ensemble Technique for Network Security


Index Terms

Computer Science
Security

Keywords

Tp Rate  Fp Rate  Precision  F-measure  Roc Area