In recent years, with the growth of network technologies and its sizes the ratio of attacks has also increases. An attack is an event which has been designed with the aim to bypass the security parameters such as confidentiality, integrity, and/or availability of a standalone computer system or a network. Sometime attacks may cause of heavy loss for an individual, or an organization. To reduce an effect of attacks, it is good to detects at an early stage as it entered in a system or network. However, since the age of computer network number of researchers and industry communities has proposed a variety of exclusive attack detection algorithms in order to prevent information from such threats but each approach has its own problem in their performance. On the other hand most of the accessible techniques use signature base algorithm, detect only previously identified attack types, fails to detect the new attacks and produce huge false alarms so not be suitable for high pace networks. These issues severely restrict the utility of deterrence system. This paper has considered such issues and proposed a novel attack detection technique which generates low false alarms with enhancing the attack detection rate of known as well as anomaly attacks over the network.
References

18. R. Fei, L. Hu & H. Liang, “Using Density-based Incremental Clustering for Anomaly
29. Prabjeet Kaur, Amit Kumar Sharma, Sudesh Kumar Prajapat “ Madam ID for intrusion detection using data mining” IJRRM volume 2, issue 2, February 2012
34. Dr. S. Vijayarani and Ms. Maria Sylvias. S “Intrusion Detection System – A Study”  
International Journal of Security, Privacy and Trust Management (IJSPTM) Vol 4, No 1,  
February 2015
Networks” International Journal of Innovative Technology and Exploring Engineering (IJITEE)  
ISSN: 2278-3075, Volume-4 Issue-7, December 2014
36. Uma Vishwakarma, Prof. Anurag Jain “Reduces Unwanted Attribute in Intruder File  
Based on Feature Selection and Feature Reduction Using ID3 Algorithm” Uma Vishwakarma et  
al, / (IJCIT) International Journal of Computer Science and Information Technologies, Vol. 5  
(1), 2014, 896-900
38. Long-Sheng Chen, Jhih-Siang Syu “Feature Extraction Based Approach for Improving  
the Performance of Intrusion Detection System” Proceedings of the International  
MultiConference of Engineers and Computer Scientists 2015 Vol I, IMECS 2015, March 18 - 20,  
2015, Hong Kong

Index Terms

Computer Science  Networks

Keywords

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