Abstract

Computer security and intrusion detection has developed into progressively more significant in recent computer sector, which is providing security of confidential data and information. At present, different progress and advances of intrusion detection is applying and operating, although in consequence, these progressions are comparatively unsuccessful and ineffective. Latest resources and approaches will reduce these limitations. This thesis document is going to proposed a positive and vibrant analysis, concerning on trend analysis which will be effective to decrease and deal with intrusion in ADHOC network. In the ground of intrusion detection, research has been ongoing since about 20 years. Intrusion detection systems appear a second line of defense that recognizes a report attack in real time. Modern world provides the latest system of internet which is disputing for the security of information systems. For the lack of domain familiarity, Intrusion Detection system can fall squat to recognize new attack. To cope with latest attack, database should be rationalized time to time. Possibility of vulnerability to attacks increases for their flexible nature. A few intrusion detection systems which are used for wired network, those are not sufficient for Wireless and ADHOC networks. In ADHOC networks,
Intrusion Detection System for Wireless ADHOC Network using Time Series Techniques

it is significant for such slant that is proficient to intellect any variety of eccentric actions. In fact, it is out of ability of technology to detect each single contravention. In this research we are going to model an Intrusion Detection System using time series techniques for wireless ADHOC network by which it can detect intrusion. Time series is a technique which can analyze data. Then we will use an unsupervised learning method clustering, to detect intrusion.

References

2. Pištěk M. Zabezpečení podnikové sítě ve společnosti INPOST, spol. s ro, Uherské Hradiště.
5. Inam ul haq, 2009, Intrusion detection using K means algorithm in Wireless ADHOC Network, University of Hertfordshire
9. Yanet Manzano, Tracing the Development of Denial of Service Attacks: A Corporate Analogy
11. Xuan Long Nguyen, 2006, Anomaly and sequential detection with time series data, Y Zhang, Intrusion Detection in Wireless ADHOC Network
15. Özleyiş Ocakoğlu, A Probabilistic Routing Disruption Attack on DSR and Its Analysis
17. John Heideman, 2002, IPAM tutorial: Network modeling and traffic analysis with ns-2", presentation at the UCLA/Institute for Pure and Applied Mathematics, Los Angeles, USA
18. A Mitrokotsa, 2006, Intrusion Detection of Packet Dropping Attacks in Mobile ADHOC Networks
Index Terms

Computer Science  Networks

Keywords

Intrusion Detection System, IDS, Wireless ADHOC Network, Time Series