Abstract

In this paper, the method of Intrusion Detection System (IDS) is implemented, which is based on the principle of network, nodes or information misuse detection system, which can accurately compare the signatures of known attacks and has a low rate of packet dropout’s alarms.

Security is a major concern in wireless technology and this work deals with security in wireless mobile ad-hoc network by using Novel IDS in Open Shortest Path First (OSPF) routing protocol. We are bounding wireless mobile ad-hoc network nodes to getting updates from unknown or unwanted nodes on the same network through routing table; we are using a Novel intrusion detection technique with the help of routing protocols in the MANET (mobile ad hoc network).

MANET is very popular, efficient, easy and secure way of communication between two or more mobile user ends and we can send and receive data, information, updates and signals from one end to another known end securely by using Novel IDS technique and by blocking unknown nodes in MANET. We are using NS2 simulation tool for performing our method.
References

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Routing, IEEE. ICWCSC 2010.

Index Terms

Computer Science

Networks

Keywords

Open Shortest Path First (OSPF), MANET (mobile ad hoc network), Intrusion Detection System (IDS), Ad hoc on Demand Routing Protocol (AODV), Dynamic Source Routing Protocol (DSR).