Abstract

As an emerging new technology a wireless communication allows users to access services electronically, wherever they might geographically be positioned. A MANET (Mobile Ad Hoc Network) is a special wireless network without any fixed infrastructure and it has dynamic topology. In this paper we have discussed a new secure routing protocol named as minimized
overhead and administrator based secure routing protocol (MOAP) for data packets, which is significantly different from existing routing protocol. We have reduced the amount of network activity for each node required to route a data packet. We have utilized our algorithm to implement this protocol and then simulate with different test cases. Finally, we have discussed how this protocol prevents various attacks which may jeopardize any wireless network.

Reference

Minimized Overhead and Administrator based Secure Routing Protocol

- Samir R. Das, Charles E. Perkins and Elizabeth M. Royer, “Performance Comparison of Two On-demand Routing Protocols for Ad Hoc Networks”
- N.Shanthi, Dr.Lganesan and Dr.K.Ramar,"Study of Different Attacks on Multicast Mobile Ad-hoc Network", Journal of Theoretical and Applied Information Technology, pp.45-51

Index Terms

Computer Science Network Security
**Key words**

Administrator  
associative node  
special  
associative node pair  
traversed Administrator field  
watch nodes  
hello flooding