Abstract

A Mobile Adhoc Network (MANET) is characterized by mobile nodes, multihop wireless connectivity, Non infrastructural environment and dynamic topology. In Ad Hoc network routing is the reactive on-demand philosophy where routes are established only when required. Stable Routing, Security and Power efficiency are the major concerns in this field. The ad hoc environment is accessible to both legitimate network users and malicious attackers. The proposed scheme named as worm_secure is intended to incorporate security aspect on existing protocols. This paper checks one of the common attack on MANET as wormhole and tries solving the situation. Scheme has been incorporated on AODV and results have been calculated using NS2.

References

- Bouam S. and Othman J. B. Sept. 7-10, 2003 Data Security in Ad hoc Networks using
Worm Secure Protocol for Wormhole Protection in AODV Routing Protocol

MultiPath Routing, in Proc. of the 14th IEEE PIMRC, pp. 1331-1335.

Index Terms

Computer Science Wireless Security
Keywords
Ad Hoc Networks  Modified Aodv  Aodv  Performance Evaluation