Abstract

Mobile Ad-hoc Networks (MANETs) allow wireless nodes to form a network without requiring a fixed Infrastructure. Dynamic Source Routing (DSR) for mobile Ad Hoc network. It is a reactive source routing protocol for mobile IP network. Temporally-Ordered Routing Algorithm (TORA) routing protocol is for mobile ad hoc networks. It can be made to operate in both reactive and proactive modes. It uses IMEP for link status and neighbor Connectivity sensing. Internet MANET Encapsulation Protocol (IMEP) is used for link status and neighbor connectivity sensing. It is used by the TORA routing protocol. One main challenge in design of these networks is their vulnerability to security attacks. In this paper, we study the threats an ad hoc network faces and the security goals to be achieved. We present and examine analytical simulation results for the routing protocols DSR and TORA network performance, using the well known network simulator OPNET 10.0

Reference

Index Terms

Computer Science Wireless Networks

Key words

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Security

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