Reputation based Dynamic Source Routing Protocol for MANET

Abstract

With recent performance increase in the area of wireless mobile communications, mobile ad-hoc networks are playing a wide spread usage in the areas of military and other applications. But this mobile ad-hoc network does not have any centralized authorities like an access-point or a router as in case of wireless and wired networks to control and take care of routing. Thus routing has become a greater challenge to these types of networks. This paper proposes a new reputation based routing protocol based on DSR (Dynamic Source Routing) and through simulation results proves that the proposed method performs well compared to normal DSR.

References

- Animesh Kr Trivedi1, Rishi Kapoor1, Rajan Arora1, Sudip Sanyal1 and SugataSanyal , Reputation Based Intrusion Detection System for Mobile Adhoc Networks; Available from link profile. iiti.ac.in/aktrivedi_b03/rism.pdf.
- M. Tamer Refaei, VivekSrivastava, LuizDaSilva, Mohamed Eltoweissy, A
Reputation-based Mechanism for Isolating Selfish Nodes in Ad Hoc Networks;
Proceedings of the Second Annual International Conference on Mobile and Ubiquitous Systems: Networking and Services (MobiQuitous'05), 2005


- Ns2 - www.isi.edu/nsnam/ns/ns-tutorial/tutorial-02.

**Index Terms**

Computer Science Wireless

**Keywords**

Reputation Routing Protocol Manets