Abstract

Mobile Ad hoc Network (MANET) comprises a Collection of wireless nodes that does not rely on any fixed infrastructure or base station. Trust based routing in MANET is challenging task due to its on demand dynamic nature which makes it susceptible to various types of attacks such as black holes, Byzantine, rushing attacks etc. The proposed trust based Management framework gives an overview about trust in MANETs. It works on the concept of trust factor in (initialization phase), for selecting the most efficient route and a routing path is evaluated using the concept of trust value that is updated during the route exchange process. The performance metric considered are throughput, number of drop packets and packet delivery ratio (PDR). The simulation results show that the proposed protocol gives better performance than existed protocol.
  - NS-2 Reference “http://www.isi.edu/nsnam/ns/”.

Index Terms

Computer Science

Wireless

Keywords

Trust security shortest path AODV attacks MANET.