Abstract

A wireless ad hoc network is a network where nodes can communicate with each other without the support of infrastructure. It can be set up easily and quickly with low cost. The network is called ad-hoc because each node in the network is ready to forward the data for other nodes and so the decision of which nodes transfer the data is made dynamically based on the network connectivity. A Mobile Ad-Hoc Network is a bunch of collected free mobile nodes which can communicate to each other with the help of radio waves. This advantage makes these networks highly robust. There are so many attacks in mobile ad-hoc network but in this paper we focus on black hole attack. We have taken Trust based AODV routing protocol idea with the addition of Fuzzy Logic to focus on examine and improving the security of routing protocol for MANET. Our aim is to ensure the security of data packet against the black hole attacks. The throughput, packet delivery are used to determine the performance of AODV and TAODV. We are using Simulation tool on NS2, the throughput of Proposed TAODV is better as compare to Previous TAODV and Packet Delivery ratio is also better as compare to previous TAODV.
References


8. Subash Chandra Mandhata, and Dr.Surya Narayan Patro”, “A counter measure to Black hole attack on AODV- based Mobile Ad-Hoc Networks”, IJCCT, 2011


Index Terms

Computer Science Networks
Keywords