Abstract

Recent advances in portable computing and wireless technologies are opening up exciting possibilities for the future of wireless mobile networking. [1] A mobile ad hoc network (MANET), sometimes called a mobile mesh network, is a self-configuring network of mobile devices connected by wireless links to exchange necessary information. Unlike traditional mobile wireless networks, ad hoc networks do not rely on any fixed infrastructure and are a new wireless networking paradigm for mobile hosts. Analyzing and comparing the performance of routing protocol and doing some efforts for making these protocol performs much better is a wide area of research now a days. In this research work we implemented ALERT in AODV and DSR to provide the anonymity to the source, destination and routes in the network for the secure transmission by hiding node identities and routes from outside observers and compares the performance of those based on parameters such as throughput, packet delivery ratio, and packet delay. This research achieves anonymity in AODV and DSR by using ALERT protocol without losing performance of AODV and DSR protocol in MANET. We are also Monitoring Loss at destination node using different traffic generator UDP/CBR in ALERT-AODV and ALERT-DSR for proposed work and TCP/FTP in normal AODV and DSR.
An Empirical Performance Evaluation of AODV and DSR using ALERT Protocol in MANET

References

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Index Terms

Computer Science
Networks

Keywords

MANET routing AODV GPSR ALERT DSR protocols ns2 gnu plot