Abstract

Mobile Ad-Hoc Network is an infrastructure less network where the nodes are mobile and each node behaves as a router. The routes may require a multiple hops in the network to reach the destination. There are many routing protocols in MANET that is used to govern the path from the source node to the destination node. This paper focus on the performance of two routing protocol namely DSDV and AODV which are proactive and reactive routing protocols respectively in a MANET using the Transmission Control Protocol NewReno as a transport layer protocol. The number of TCP connection is varied and the performance is evaluated using average throughput, packet delivery ratio and average end to end delay. The same performance metrics are used to see the effect of number of nodes increment in a MANET environment using a TCP connection..

References

1. Al Hanbali, Ahmad, Eitan Altman, and Philippe Nain. A survey of TCP over mobile ad hoc
Impact of Multiple TCP Connection and Increment of Number of Nodes in Mobile Ad-Hoc Wireless Networks


Index Terms

Computer Science Wireless

Keywords

MANET, TCP, DSDV, AODV