Performance Evaluation and Comparison of PDTMRP and MAODV

International Journal of Computer Applications
© 2015 by IJCA Journal

Volume 117 - Number 15
Year of Publication: 2015

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10.5120/20633-3258

Abstract

A mobile host doesn't have fixed infrastructure in Mobile ad hoc network. And, each mobile host is interconnected with another host through wireless network. The portable host has multi-jump transmission ability and it needs to serve as a switch. The mobile host owing a dynamic topology and resource and routing scheme in MANET presents an important challenge. A force mindful double tree based multicast directing convention (PDTMRP) for MANET's is compared with MAODV. All node in networks are randomly classified into two types, group-1 & group-2. To achieve the load balance in network, we have constructed two multicast trees into two group like tree-1 for group-1 & tree-2 for group-2. The simulation results show that the PDTMRP schemes performs more better than multicast specially appointed on interest separation vector directing convention (MAODV). Thus PDTMRP system outperform in terms of Performance assessment measurements, for example, parcel conveyance proportion, control overhead, packet delivery delay, total energy consumption.

References

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architecture for scalable interdomain multicast routing protocol. Proc. ACM SIGCOM, October 1993, pp. 85–89.


Index Terms

Computer Science
Networks

Keywords
Packet delivery ratio packet delivery delay control overhead total energy consumption.