Abstract

A mobile ad hoc network is a collection of wireless mobile nodes dynamically forming a network topology without the use of existing network infrastructure or centralised administration. Routing is a significant issue and challenge in MANET. Routing is a task of directing data packets from a source node to a destination node. Many routing protocols have been proposed like DSDV, OLSR, AODV, DSR, ZRP, and TORA so far to improve the routing performance and reliability in MANET. This paper presents a comparative performance analysis of Proactive, Reactive, and Hybrid protocol based on performance metrics like Packet Delivery Fraction (PDF), average end-to-end delay, normalised routing load and throughput by varying network size.

References

- C. Perkins, E. Royer, S. Das and K. Marina, "Performance comparison of two


**Index Terms**

Computer Science  
Networks

**Keywords**  
MANET  DSDV  OLSR  AODV  DSR  ZRP and TORA