Abstract

Researchers have developed various routing protocols for Mobile Ad-hoc Networks (MANETs). Each protocol proposed and designed so far has its own merits and demerits. Researchers are trying continuously to develop advanced routing protocols that can route messages towards their destination in an efficient way while consuming minimum amount of bandwidth and battery. In this work we are considering two well-known MANET routing protocols, (1) Ad-hoc On-demand Distance Vector routing protocol, (2) Optimized Link State Routing protocol, and we have combined their preferred properties to formulate a new Hybrid routing protocol. In this paper we have proposed a routing protocol in hybrid category with the target of increasing the packet delivery ratio (PDR), throughput and decreasing end-to-end delay. Our extensive simulation based experimental studies show that the performance of proposed Hybrid Multipath Progressive Routing Protocol is better than the AODV, OLSR and ZRP on above and many other parameters. We have simulated the results on Exata Cyber 1.

References
Performance Evaluation of Hybrid Multipath Progressive Routing Protocol for MANETs


Index Terms
### Keywords
- HMPRP
- AODV
- Exata Cyber 1.1
- MANETs