Implementation and Performance Evaluation of Link-Disjoint Multipath AODV Routing Protocol

Abstract

Due to mobile nature of the nodes and unreliable wireless channels for data transmission, frequent link failures occur in mobile ad-hoc networks (MANET). This leads to research in multipath extension of the routing protocols. This paper proposes a link-disjoint multipath AODV (LD-MPAODV) routing mechanism to increase the robustness of routing process in MANET. The objective of the proposed routing protocol is to find all available multiple path from source to destination with minimum routing control overhead. At the end the performance
comparison between two routing mechanism suggests that LD-MPAODV perform better in respect to packet delivery ratio, average routing overhead under different mobility and multiple traffic sessions.

References

- Video Trace:: http://trace.eas.asu.edu/

Index Terms

Computer Science
Networks
Keywords
Manet  Multipath  Simulation  Aodv