Abstract

MANETs are comprised of mobile hosts communicating via their wireless interfaces and their topology is continuously changing. During communication process between mobile hosts or nodes, control message-transfers among the nodes occur. Control messages consume bandwidth, processing resources to both transmit and receive a message. Since bandwidth is at a premium, routing protocols should not send more than the optimal number of control messages they need for operation, and should be designed so that this number is relatively small. In this paper, Optimized AODV and Optimized DSR are proposed to minimize mainly the control overhead.

Reference

- Stefano Basagni, Marko Conti, Silvia Giordano and Ivan Stojmenovic. Mobile Ad Hoc Networking (chapter: 9). A JOHN WILEY & SONS, INC., PUBLICATION.

**Index Terms**

Computer Science  
Algorithms

**Key words**

Control overhead  
optimal path  
RREQ  
RREP

AODV

DSR