



# Routing Protocols for MANET: A Literature Survey

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## Abstract

Mobile ad hoc networks (MANETs) are autonomously self-organized networks without infrastructure support. In a mobile ad hoc network, nodes move arbitrarily; therefore the network may experience rapid and unpredictable topology changes. Because nodes in a MANET normally have limited transmission ranges, some nodes cannot communicate directly with each other. Hence, routing paths in mobile ad hoc networks potentially contain multiple hops, and every node in mobile ad hoc networks has the responsibility to act as a router. This paper is a survey of active project work on routing protocols for MANET.

**Keywords-** MANETs, Proactive and Reactive Routing Protocols, Unicasting, Multicasting

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