

Abstract Details

Title: A Survey on Routing Protocols in MANET

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Abstract: Mobile means moving and ad hoc means temporary without any fixed infrastructure so mobile ad hoc networks are a kind of temporary networks in which nodes are moving without any fixed infrastructure or centralized administration. MANETs are generating lots of interest due to their dynamic topology and decentralized administration. An ad hoc network doesn't have any centralized arbitrator or server. In MANET each and every mobile node is assumed to be moving with more or less relative speed in arbitrary direction. Because of that there is no long term guaranteed path from any one node to other node. MANET have very enterprising use in emergency scenarios like military operations & disaster relief operation where there is need of communication network immediately following some major event, or some temporary requirement like conference & seminar at new place where there is no earlier network infrastructure exist and need alternative solution. This paper concentrates on routing techniques which is the most challenging issue due to the dynamic topology of ad hoc networks.

Keywords: MANET, ZRP, AODV, DSDV, DSR.