In Manets the design issues are critical and challenging for the development of efficient routing protocols which provides high quality communication for each data and especially in the presence of a large amount of data. Several routing protocols have already been proposed. In MANETs efficient dynamic multicast routing is an important research challenge. In multicast
environment on-demand routing is widely developed in bandwidth constrained mobile wireless ad hoc networks because of its effectiveness and efficiency. In multicast routing protocols most of them focus only on single path routing and do not provide the possibility to convey the load during the route establishment and therefore cannot balance the load on different routes. In this paper we propose a novel routing protocol NDSM-MAODV. According to the group discovery again it is divided into NDSM-MAODV-ran, NDSM-MAODV- seq, NDSM-MAODV- opt. The simulation result shows that the NDSM-MAODV protocol reduces the end-to-end delay and increases the packet delivery ratio, throughput as compared to the MAODV protocol.

Reference

- The Network Simulator NS-2 http://www.isi.edu/nsnam/ns/.

Index Terms

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