

QOS BASED ANALYSIS OF MDART USING AODV AND AOMDV

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ABSTRACT

Routing protocols play a vital role in transmission of data across the network. The two major classifications of routing protocols are unipath and multipath. In this paper, we propose a Distributed Hash Table (DHT)-based multi-path routing protocol for scalable ad hoc networks and evaluated the performance of a widely used on-demand unipath routing protocol called AODV and multipath routing protocol AOMDV and MDART. The results show that M-DART performs the best or at least comparable with respect to AOMDV and AODV. Moreover, unlike these protocols, it is able to assure satisfactory performances for large networks by reducing the packet loss by up to 75%. These protocols have been selected due to their edge over other protocols in various aspects, such as reducing delay, routing load etc. The evaluation of all the protocols is carried out in terms of different scenarios using NS2.

KEYWORDS: MANET, AOMDV, MDART, AODV, CBR, NS2