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SURVEY ARTICLE

A Survey on Quality of Service for Optimized Linked State Routing protocol in Mobile Ad hoc Network

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Abstract **— A wireless Mobile Ad hoc NETworks (MANETs) is a special type of wireless network that does not have wired infrastructure to support communications between different nodes. Addressing Quality of Service (QoS) support in the Internet has been widely investigated. But, such efforts are unsuitable for MANETs which introduce bandwidth constraints and dynamic network topology. In MANET, routing protocols have a significant role in terms of the performance because they determine the way of sending and receiving packets between mobile nodes where all nodes are free to move about arbitrarily and where all the nodes configure themselves. In MANET, each node acts both as a router and as a host &even the topology of network may also change rapidly. In this paper we have done the study of OLSR routing protocol from various reputed papers. The key concept used in the protocol is that of Multi-Point Relays (MPRs) which are selected nodes that forward broadcast messages during the flooding process. The objective is to make observations about how the network performance with OLSR routing protocol can be enhance.**

Keywords— MANET, OLSR, MPR, Quality of Service

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