



A Survey on Routing Protocols in VANET

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Abstract-Vehicular Networks are receiving a lot of attention due to the wide variety of services they can provide. Their applications range from safety and crash avoidance to Internet access and multimedia. In this paper we present a performance evaluation study of a simple routing technique in new emerging Vehicular Ad hoc Networks (VANETs). VANETs differ from traditional Mobile Ad hoc NETWORKs (MANETs) for a high dynamism of the network topology, and for different traffic and mobility patterns. For all these reasons, routing protocol designed for MANETs cannot always be applied in a vehicular environment, and lack of effective network performance. This paper presents the various protocols such as AODV, OLSR, PBR for VANET. These protocols then analyzed and compared based on Packet delivery ratio (PDR), Routing requests ratio, Average end-to-end (E2E) delay.

Index terms: VANET; MANET; AODV; PBR; OLSR

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