Abstract

A Mobile Ad hoc Network is a type of ad hoc network. It can change its location configuration dynamically. It is an infrastructure-less network. Due to the complex nature of MANETS, their development processes face several challenges. One of such key challenge is routing. Several routing protocols have already been proposed for MANETs. This paper examines the impact of MAC protocols 802.11 and CSMA on the two on demand routing protocols AODV and LAR in MANETs with varying Node density in the network. Number of simulation scenarios was carried out by using Glomosim-2.03. The simulation metrics used are Throughput, Delay and PDR. Simulation experiments found that both 802.11 and CSMA is suitable for AODV where as only 802.11 is suitable for LAR.

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**Index Terms**

Computer Science

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