

Abstract Details

Title: Critical Analysis of Performance Evaluation of Vehicular Ad Hoc Network

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Abstract: The integration of communication technology in state-of the art vehicles has begun years ago: Car phones and Internet access based on cellular technologies as well as Bluetooth adapters for the integration of mobile devices are popular examples. This paper presents an insight into the VANETs (Vehicular Ad-hoc NETWORKS) technology. Most important part of VANET simulations is the movement pattern of vehicles, also called the mobility model. Location of nodes in the topology at any given instant is determined by Mobility models. The Mobility Model governs the set of rules that define movement pattern of nodes in ad-hoc network. Network simulators use this information, to create random topologies based on nodes position and perform some tasks between the nodes. Existing MANET protocols needs to be modified to adapt itself into VANET scenario .In this Paper Various mobility Models and Routing protocols are discussed and models are compared according to different routing protocols. Simulations results are shown for different mobility models over different protocols using VanetMobiSim and NS-2.

Keywords: VANET, NS-2, MANET.