Abstract

Due to the advent in technology and continuous progresses in wireless communication leads VANET as a research scenario which proposes communication between vehicles by wireless means. It has a large potential to improve safety and travel comfort of passenger. Developed areas suffer a major consideration for traffic safety as there is a high wastage of time and resources while traffic through traffic congestion. In this paper we have proposed a distance algorithm, which optimizes the traffic congestion problem. In this work we are using different simulation in which one is containing the application of isolator which determines the effect of normal traffic and other one is attack simulation which describes the effect of congested simulation network for the VANET. We have introduced Black hole attack at the intersection which leads congestion, and thus using distance algorithm. We removed the overcrowding over the circumstances using AODV routing protocol.
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Blackhole attack; Traffic congestion; Traffic monitoring; VANET; Distance Algorithm; AODV Routing Protocol; Vehicle to vehicle communication; vehicle to roadside communication.