Simulating VANET Scenario in NCTUns-6.0

Abstract

A Vehicular Ad-Hoc Network (VANET) is a form of Mobile Ad-Hoc Network (MANET) which provides safety to vehicle drivers by communicating with nearby vehicles. A vehicle in VANET is considered to be an intelligent mobile node capable of communicating with its neighbours in the network. VANET is different from MANET due to high mobility of nodes and the large scale of networks. In this paper, we implement a VANET scenario in NCTUns-6.0 simulator. We implement two types of communication in VANET: (1) Vehicle to Vehicle (V2V) and (2) Vehicle to Road Side Unit (V2R) communication. The preliminary efforts were focused on the potential applications and the literature review. Our present work in progress is to model and implement various misbehaviours in VANET.

References


Index Terms

Computer Science

Emerging Trends in Technology

Keywords

Vanet

Security

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