عنوان مقاله:

Implementation a method to provide quality in manet and survey the effect of that at decreasing Data Dropped of DSR and AODV routing protocols

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خلاصه مقاله:

In Ad-Hoc wireless networks nodes change their situations proximately, that means this situation requires routing protocols that have ability to adaptability with this changes. Providing the QoS in this networks is intolerable, through topology changes and use the joint media by the network nodes. The most routing protocols that designed for this networks, only find the route by the scales of step and don't consider the QoS of created routes. In this cases for providing QoS , we decided to apply one of the methods of providing the QoS that named : resources reserve on the routing protocols. For this reason, in this essay we use two different scenarios in a MANET's example environment, which they have (500*500)M and (1000*1000)M dimensions. The scenarios have fifty nodes. The AODV and DSR are usable routing protocols and the work styles of these protocols are like the followings: At first we implement the RSVP protocol on the mentioned routing protocols and we compare the Data Dropped of them when RSVP protocol applied to when protocol have not applied. Scenarios that implemented and evaluated by Opnet 14 simulator and simulation results are fully described. Simulation results show this fact that when we apply RSVP on AODV and DSR routing protocol, Data Dropped is reduced. Also AODV has a better performance.

کلمات کلیدی:

Routing protocolsRoute discover time , AODV , DSR , MANET , RSVP