Abstract

A mobile ad hoc network is an autonomous collection of mobile devices (laptops, smart phones, sensors, etc.) that communicate with each other over wireless links and cooperate in a distributed manner in order to provide the necessary network functionality in the absence of a fixed infrastructure. This type of network, operating as a stand-alone network or with one or multiple points of attachment to cellular networks or the Internet, paves the way for numerous new and exciting applications. Route failure is very frequent in mobile ad hoc networks as the nodes are mobile and is a very serious issue also which needs to be addressed. This paper provides an insight into the TCP congestion control mechanism in mobile ad hoc networks.
(MANET) and discusses the recently proposed route failure detection schemes. All these algorithms tend to increase the network performance in terms of parameters like throughput, packet delivery ratio, end-to-end delay, route reestablishment delay etc.

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