Abstract

Mobile Ad hoc-networks (MANETs) are becoming increasingly important in today's world. An important and essential issue for mobile ad hoc networks is routing protocol design. A major technical challenge in routing is due to the mobility of nodes in the network. During the last decade, active research work resulted in a variety of proposals. Routing protocols can be classified via the type of caste property, whether they are unicaste, multicast and broadcast. Further, ad-hoc unicaste routing protocols are classified into three categories: table driven, on-demand and hybrid. We filtered the total studies and reviewed various research papers published between 1998 and 2012. This paper presents a review and discusses 19 unicaste routing protocols designed for mobile ad hoc networks belonging to each category. Further advantages and disadvantages of each protocol are discussed.

References

Unicaste Routing Protocols in Mobile Ad Hoc Networks: A Survey

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