Abstract

Mobile Ad hoc Network (MANET) is nothing but group of radio devices communicating with each other without using any physical infrastructure. MANET is widely used in day to day life applications, hence it is required that such network should perform efficiently. Efficiency of MANET is mainly depends on use of routing protocols. The efficiency of routing protocol is evaluated in terms of different Quality of Service (QoS) metrics. Achieving good QoS in MANET is more challenging as compared to wired networks due to mobile network, limited battery and no centralized control. Therefore different MANET routing protocols are introduced by various authors with goal of achieving efficient load balancing and QoS. In recent time, there are many new routing protocols were introduced those are presented for improving QoS. The aim of this paper is to give introduction to different MANET routing protocols and categories. Challenges and issues of achieving QoS in MANET then discussed different performance metrics which decides the QoS of MANET routing protocols. Finally presented different Load balancing routing protocols presented along with their merits and demerits are discussed.
References

9. Nicklas Beijar “Zone routing protocol” Networking Laboratory, Helsinki University of Technology, P.O. Box 3000, FIN-02015 HUT, Finland.

Index Terms

Computer Science Networks

Keywords
MANET, Reactive, Routing protocols, Hybrid, QoS, and Load Balancing, Proactive.