Abstract

A Mobile Ad Hoc Networks (MANETs) is a group of mobile nodes which cooperate in forwarding packets in a multi-hop fashion without any centralized administration. One of its key challenges is routing. Many routing protocols for MANET have been proposed and the protocols can be classified as proactive routing and on demand routing protocols. This paper uses ns-2
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as the simulation tool, 802.11 as the wireless MAC protocol, and AODV & DSDV as the routing protocol. We present the traces of communication between different mobile nodes using Routing Protocols in MANETs. To compare the performance of Proactive and Reactive routing protocol, we have to analyze the simulation results by graphical manner and trace file based on QoS metrics such as Throughput, Drop, Delay, Jitter etc. Here, we have analyzed the simulation result by traces files only. The performance differentials have been analyzed based on network load, mobility, and network size.

Reference

- Network simulator-ns-2 www.isi.edu/nsnam
- NS Manual/Documentation-The VINT Project Collaboration between researchers at UC Berkeley, LBL, USC/ISI and Xerox PARC. Kevin Fall_kfall@ee.lbl.gov Editor Kennan Varadhan_kannan@catarina.usc.edu

Index Terms

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Key words

DSDV

AODV

MANET

QoS

Network Simulator-2 (NS2)