Abstract

The widespread use of mobile and handheld devices is likely to popularize ad hoc networks, which do not require any wired infrastructure for intercommunication, in which each node can move in any direction & acts as a router. To assist communication in such network, a routing protocol is vital whose primary aspiration is to set up proficient route among pair of nodes, due
to this lot of reactive, proactive & hybrid routing protocols have been proposed, Out of which one of most popular one is Adhoc on-demand distance vector routing (AODV) due to its high performance gain compared to other protocols in MANET, therefore its performance needs to be evaluated by making use of various metrics such as end to end delay, packet delivery ratio (PDR) & Packet loss. So this paper presents simulation result obtained in the form of variations in the values of end to end delay, packet delivery ratio(PDR) & Packet loss for AODV when we vary number of nodes in network, simulation is carried out using widely use simulator NS2, also this paper provides overview of working, features & benefits of AODV compared to others protocols.

Reference

- Ian D Chakeres & Elizabeth M Belding Royer," AODV Routing Protocol Implementation Design".
technology group National Institute of standard & Technology.
- Mouhamad IBRAHIM and Giovanni NEGLIA," Introduction to Network Simulator”.

Index Terms

Computer Science

Information

Technology

Key words

AODV

MANET

Proactive

Reactive

PDR

NS2