Abstract

Ad-hoc network is an infrastructureless network which consists of a set of nodes, communicate over a transmission radio. It does not require any central administration. In this paper, we evaluate some of the widely used efficient routing protocols with varying transmission range of the node. Data transmitted by a node is received by all the nodes within its communication range. We focus on the analysis of varying a range of the transmission in terms of distance. The proposed evaluation was made on routing protocols such as AODV and DSR, which are simulated in Network Simulator (ns2). The performance of these protocols, is analyzed with selected metrics.

References

- NETWORK SIMULATOR (ns2). http://www.isi.edu/nsnam/ns/.
- Marc Geris’ Tutorial for the UCB/LBNL/VINT Network Simulator "ns"

**Index Terms**

| Computer Science | Wireless |
Keywords
Ad-hoc networks  AODV  DSR routing protocols  performance evaluation  transmission range