Abstract

Wireless Mesh Networks (WMNs) have emerged as a key technology in next-generation wireless networks. Routing in WMNs is challenging issue because of unpredictable variations in the wireless environments. This paper aims that to address metrics for performance evaluation of routing protocols in Wireless Mesh Networks. Hop Count, Packet Delivery Ratio, Packet Loss Ratio, Routing Overhead, throughput, Expected Transmission Count and Expected Transmission Time are the metrics used to compare the DSR, AODV and DSDV Routing Protocols. We are conducting simulations using Network Simulator 2 (NS2). These Simulation results may helpful to design a new routing protocols for Wireless Mesh Networks.
- Sonia Waharte, Raouf Boutaba, Youssef Iraqi, Brent Ishibashi, Routing protocols in wireless mesh networks: challenges and design considerations
- Rainer Baumann, Simon Heimlicher, Mario Strasser, Andreas Weibel, "A Survey on Routing Metrics", February 10, 2007
- S. S. Tyagi and R. K. Chauhan, "Performance Analysis of proactive and reactive routing protocols for Adhoc Networks",

Index Terms

Computer Science       Wireless