SIMULATION AND ANALYSIS OF AODV, DSDV AND ZRP PROTOCOL IN MANET

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ABSTRACT

AODV is a reactive protocol which establishes a route from source to destination only on- demand. DSDV is a proactive protocol in which node maintains a route table and ZRP is a hybrid protocol which includes both the properties of proactive and reactive. In this work, the performance comparison of these three protocols is being done to analyze which protocol is best suited for which type of network. The analysis of these protocols is done on the basis of various performance matrices like throughput, end to end delay, jitter and packet delivery ratio. This work presents the simulation of these protocols based on the above mentioned parameters and evaluation of the results which of protocols is best suitable for MANET.

KEYWORDS: AODV, DSDV, ZRP, Throughput, Jitter, Packet Delivery Ratio, Drop Packets