

## Abstract Details

**Title:** Performance Comparison of OLSR, AODV and ZRP Protocols

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**Abstract:** Mobile ad hoc networking is one of the most important and essential technologies that support future computing scheme. The characteristics of MANET bring this technology as a great opportunity together with many challenges. There have been several routing protocols like proactive, reactive and hybrid protocols which have been proposed for MANETs. A broad classification of the routing protocols is given and the working principle of a few of them is described along with their pros and cons. In this paper, the behavior of Three routing protocols AODV (Ad hoc On demand distance vector), OLSR (Optimized link state routing) and ZRP (Zone routing protocol) based on IEEE 802.11CSMA/CA MAC protocol are analyzed and compared using NS-2 simulator on the basis of performance metrics such as Packet Delivery Ratio, End-to-End Delay, Throughput, dropped packets due to non availability of routes and Energy consumption in transmit and receive Mode.

**Keywords:** MANET, OLSR, ZRP, AODV.