Abstract

A Mobile Ad hoc Network (MANET) is a collection of wireless mobile nodes forming a temporary network without the need for base stations or any other preexisting network infrastructure. Due to link instability, node mobility and frequently changing topologies, routing becomes one of the core issues in MANETs. This paper examines Random Waypoint Mobility model and Vector Mobility model and study their impact on AODV, OLSR and GRP routing protocols with Throughput, End-to-End Delay and Network Load as Performance Metrics.

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Index Terms

Computer Science

Wireless

Keywords

MANET AODV OLSR GRP Random Waypoint Mobility Model Vector Mobility model