Comparative Analysis of DSDV and OLSR Routing Protocols in MANET at Different Traffic Load

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Abstract

Mobile Ad hoc networks are the collection of wireless nodes that can exchange information dynamically among them without pre-existing fixed infrastructure. There are different protocols for handling the routing in the mobile environment. Because of highly dynamic in nature, performance of routing protocols is an important issue. This paper will focus on two well known protocols: Destination Sequenced Distance Vector (DSDV) and Optimized Link State Routing (OLSR) Protocols. In this paper the simulation result presents the best routing protocol which gives the highest performance when the routing protocols are implemented using ns-2. The simulation compares the two ad hoc routing protocols named destination-sequenced distance...
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vector and optimized link state routing protocols. This paper presents simulation based comparison and performance analysis on different parameters like Packet delivery fraction, Average end-to-end delay, Throughput and Normalized routing overhead.

References

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Index Terms

Computer Science

Communication and Networks
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MANET  MPR set  MPR selector set  HELLO message  TC message