Abstract

Delay or Disruption Tolerant Networks (DTN) are a type of wireless network where at the time of message transmission, there may not exist end to end path between source and destination. Node connections in DTN are very intermittent due to sparse node density and mobility. DTNs make use of "Store Carry and Forward" delivery mechanism for message transmission. Thus message delays may be very long in such networks. In this paper we present a variation of Binary Spray and Wait (BSW) routing protocol where spray phase of BSW routing protocol has been modified. The simulation results shows that our modified spray phase version gives better delivery ratio and less overhead ratio as compared to BSW.

References

Modified Spray Phase to Improve Performance of Binary Spray and Wait Routing Protocol in Delay Tolerant Networks


Index Terms

Computer Science  Networks

Keywords

DTN  spray and wait.