Routing Approaches in Delay Tolerant Networks: A Survey

Abstract

Delay Tolerant Networks (DTNs) have evolved from Mobile Ad Hoc Networks (MANET). It is a network, where contemporaneous connectivity among all nodes doesn’t exist. This leads to the problem of how to route a packet from one node to another, in such a network. This problem becomes more complex, when the node mobility also is considered. The researchers have attempted to address this issue for over a decade. They have found that communication is possible in such a challenged network. The design of routing protocol for such networks is an important issue. This work surveys the literature and classifies the various routing approaches.

Reference


[38] J. Leguay, T. Friedman and V. Conan, “Evaluating MobySpace Based Routing Strategies in Delay Tolerant Networks,” Université Pierre et Marie Curie, Laboratoire LiP6–CNRS, Thales Communications.


Index Terms

Computer Communication Networks
Network Protocols – Routing Protocols

Key words

Delay Tolerant Network
Opportunistic

Network
Routing