Abstract

Delay Disruption Tolerant Networks are the network comes under the Wireless network protocol type which trend and used to provide a high security in network such as military area and other required government phases. The investigation research is already carried out to determine the best algorithm out of available algorithm which provides high efficiency in terms of its required parameter. In this paper we have discussed about the spray and wait algorithm which is the latest and reliable trend in terms of secure protocol in DTN and limitation observed as the packet size increases, it doesn't transform the packet properly. In order to enhance performance for large packet we have introduced Erasure encoding based spray and wait technique which improved the result in terms of required parameter.

References

1. A. McMahon and S. Farell, “Distruption-Tolerant Networking,” IEEE Internet Computing,
Erasure Encoding: A Technique to enhance performance over Spray and Wait Protocol

2. A. Vahdat and D. Becker, “Epidemic Routing for Partially Connected Ad Hoc Networks,”
5. IPN Special Interest Group (IPNSIG), http://www.ipnsig.org/
Survey on Recent Development and Persisting Challenges. Communication Surveys &
Tutorials”, IEEE, pp(99), 1-34.
2006.
Computing, vol. 13, no.6, pp. 82-87, Nov.2009.
11. E. P. C. Jones, L. Li, And P. A. S. Ward, “Practical Routing in Delay tolerant Networks,”
12. R. J. D’Souza and J. Jose,”Routing Approaches in Delay Tolerant Networks: A Survey,”
13. Z Zhang”Routing In Intermittently Connected Mobile Ad Hoc Networks and Delay
Tolerant: Overviews and Challenges,” in Proc. IEEE communication survey&tutorial, 1st quarter
2006.
Connected Mobile Networks,"in IEEE 2004
16. Samuel C. Nelson, Mehedi Bakht, Robin Kravetsa Albert F Harris “Poster Abstract:
Encounter–Based Routing in DTNs”.
17. Thrasyvoulos Spyropoulos, Konstantinos Psounis and Cauligi S. Raghavendra, " Spray
and Focus: Efficient Mobility-Assisted Routing for Heterogeneous and Correlated Mobility”,
18. Elizabeth Daly and Mads Haahr, Social Network Analysis Routing in Disconnected
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Index Terms

Computer Science Software Engineering

Keywords
Delay tolerant networks (DTNs), Routing, store carry and forward.