Abstract

In the past few decades, Delay Tolerant Networks (DTNs) have emerged as one of the hot topics for research. It is a network, used in environments where end to end connectivity is unavailable. It has no fixed infrastructure and has scarce resources. DTNs use store and forward technique which is called opportunistic data forwarding. One of the most important aspects of DTNs is security, because they are a new network paradigm and should be acceptable by all. This paper discusses the works related to DTN security, their analysis, drawbacks, comparisons, advantages and other factors.

References

Literature Review on Security Aspects of Delay Tolerant Networks

- Godwin Ansa, Haitham Cruickshank and Zhili Sun "A Proactive DOS Filter Mechanism for Delay Tolerant Networks" 2nd ICST PSATS, Conference, Malaga Spain, February 2011
- Feng Li, Jie Wu, Avinash Srinivasan, "Thwarting Blackhole Attacks in Distruption-Tolerant Networks using Encounter Tickets." INFOCOM 2009, IEEE. IEEE 2009
- Rongxing Lu, Xiaodong Lin, Haojin Zhu, Xuemin (Sherman) Shen, Bruno Preiss "Pi: A Practical Incentive Protocol for Delay Tolerant Networks." IEEE TRANSACTIONS ON WIRELESS COMMUNICATIONS, VOL. 9, NO. 4, APRIL 2010

Index Terms

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