Abstract

Most of previous research in Mobile Ad Hoc Networks (MANETs) concentrated on the development and enhancement of neighbor discovery protocols and routing protocols, which could efficiently discover reliable route between two communication mobile nodes. Data caching addressed two basic issues: cache resolution and cache management. In this paper, we give a review of cache resolution scheme and performance analysis of these schemes using ns2. 32.

References

- C. Perkins and P. Bhagwat, &quot;Highly Dynamic Destination-Sequence Distance-Vector Routing (DSDV) for Mobile Computer,&quot; ACM SIGCOMM, pp 234-244, 1994.
- T. Hara, &quot;Replica Allocation in Ad Hoc Networks with Periodic Data Update,&quot; Int. Conf. on Mobile Data Management, 2002.
- Preetha Theresa joy and K. Poulose Jacob, &quot;Cooperative Caching Techniques for Mobile Ad hoc Networks,&quot; Proc. in international conference on data science & engineering, ICDSE-2012.
- J. Shim, P. Scheuermann and R. Vingralek, &quot;Proxy cache algorithms: design, implementation, and performance,&quot; IEEE Transaction on Knowledge and Data Engineering, vol. 11, No. 4, pp. 549-562, 1999.
- K. Fallow and K. Varadhan (Eds.), &quot;The NS Manual&quot;, URL: http://www.isi.edu/nsnam/ns/doc/index.html

Index Terms

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Keywords

Mobile Ad Hoc Network  Caching  Cooperative Caching  Data Caching
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