Basic Needs for Designing a Good Cooperative Caching Management Technique

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Authors:
Devendra Kumar Jain
Sanjay Sharma

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Abstract

A Mobile Ad Hoc Network (MANET) is a network that allows servers and client to communicate in the absence of a fixed infrastructure. MANET is fast growing area of research as its finds use in a various applications. In MANETs, dynamic topologies and the failure of mobile nodes due to exhaustion of their battery power can considerably decrease data availability. Data caching on clients is widely seen as an effective solution to improve data availability. In particular, cooperative caching based on idea of sharing and coordination of cached data among multiple client are moving frequently. A number of cooperative caching schemes have been proposed in the past year. In this paper, discusses the features for designing a good cooperative cache management scheme.

References

- L. Fife and L. Gruenwald, "Research Issues for Data Communication in Mobile Ad Hoc Networks Data Base System," Proc. in International Conference on Management of
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- Vimal Kumar, Manoj Patel, Sandesh Meda & Praveen Mahadevanna, "Push-Pull Caching," Department of Computer Science, University of Texas at Arlington.
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(WCCSIT), vol. 3, No. 8, pp. 135-143, 2013.
- Jiannong Cao, Yang Zhang and Guohong Cao and Li Xie, &quot;Data Consistency for Cooperative Caching in Mobile Environment;&quot; Published in IEEE Computer Society, pp. 60-67, 2007.

Index Terms

Computer Science  Information Science

Keywords

Mobile Ad Hoc Network  Caching  Cooperative Caching  Data Caching

Cross-layer