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
Basic Needs for Designing a Good Cooperative Caching Management Technique

- Vimal Kumar, Manoj Patel, Sandesh Meda & Praveen Mahadevanna, "Push-Pull Caching;" Department of Computer Science, University of Texas at Arlington.
- Amer O. Abu Salem, Tareq Alhmiedat, and Ghassan Samara, "Cache Discovery Policies of MANET," world of computer science and information technology journal
Basic Needs for Designing a Good Cooperative Caching Management Technique

(WCCSIT), vol. 3, No. 8, pp. 135-143, 2013.

Index Terms

Computer Science

Information Science

Keywords

Mobile Ad Hoc Network    Caching    Cooperative Caching    Data Caching

Cross-layer