Abstract

A Mobile Ad Hoc Network (MANET) is a network that allows servers and clients to communicate in the absence of a fixed infrastructure. MANETs are fast growing areas of research as they find use in 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 the idea of sharing and coordination of cached data among multiple clients is being frequently used. A number of cooperative caching schemes have been proposed in the past year. In this paper, we discuss the features for designing a good cooperative cache management scheme.

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