

207. OPPORTUNISTIC SEARCH IN DISCONNECTED MANETS

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The peer to peer (P2P) file sharing model makes nodes in a large scale networks to share files directly with each other without a centralized server. The successful deployment of P2P file sharing system in MANETs is a promising compliment to current infrastructure model to realize pervasive file sharing for mobile users. In existing system, file sharing is done by friend proximity detection by means of multi hop forwarding. However, there is no privacy for the mobile nodes that exchange data as well as meta information. In this paper, an interest extraction algorithm is used to derive a node's interest from its files for content based file searching and the searching of the files can be achieved by using community construction algorithm which will designate stable node for intra-community searching and highly mobile nodes for inter-community searching. By using this interest oriented file searching and retrieval scheme, the message forwarding efficiency is increased. In such a file sharing system nodes meet and exchange requests and files in the form of text and images in different interest categories.

Index Terms—Peer to Peer, Content-based file searching, Friend proximity, Interest extraction algorithm.

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