Curiosity and Contact History Based File Dissemination in MANET

D. Divya[1], R. Chithra Devi[2]

PG Scholar, Department of IT, Dr. Sivanthi Aditanar College of Engg, Tiruchendur, India [1]

Assistant Professor, Department of IT, Dr. Sivanthi Aditanar College of Engg, Tiruchendur, India[2]

Abstract: Present peer-to-peer (P2P) file dissemination methods in mobile ad hoc networks (MANETs) can be divided into three categories: flooding-based, advertisement-based, and social contact-based. The first two techniques can simply be time consuming and low ability to accommodate when the demand grows higher. They are mainly developed for linked MANETs, in which end-to-end relativity among nodes is preserved. The social contact-based methods adjust to the adaptable nature of disconnected MANETs but fail to regard the social contents of portable nodes, which can be subjugated to advance the file searching effectiveness. In this paper, we suggest a P2P content-based system, namely SPOON, for disconnected MANETs. The system uses an interest extraction algorithm to derive a node's concern from its files for content-based file searching. For competent file searching, SPOON assembles similar-interest nodes that frequently gather with each other as a set. The interest-oriented file searching scheme is projected for high file searching efficiency.

Keywords: Social networks, interest-Oriented, Peer to Peer Content-Based, File Dissemination, Disconnected MANETs.