Trust Management in P2P Networks using Mamdani Fuzzy Inference Systems

Abstract

Peer to peer (P2P) systems are autonomous and decentralized systems with a form of distributed computing. Hence each peer in the network is heterogeneous and is not fully reliable. In this paper it has been tried to estimate the trustworthiness of each peer in the network using Mamdani Fuzzy Inference Systems. For estimating the trust only some of the parameters are considered, namely - Capability, Reliability, Availability and Integrity.

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Index Terms

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