Abstract

A mobile ad hoc network, literally means a wireless link, which is ad-hoc by nature between several mobile nodes or devices. Each device in a MANET can move freely in any direction, and will therefore change its links to other devices easily. The main challenge in building a MANET is in terms of security. In this paper we are presenting a probabilistic approach to detect selfish nodes using the probability density function. The proposed model works with existing routing protocol and the nodes that are suspected of having the selfishness are given a Selfishness test. This model formulates this problem with the help of prior probability and continuous Bayes’ theorem.
A Probabilistic Approach to Detect Selfish Node in MANET

References

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Index Terms

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Keywords